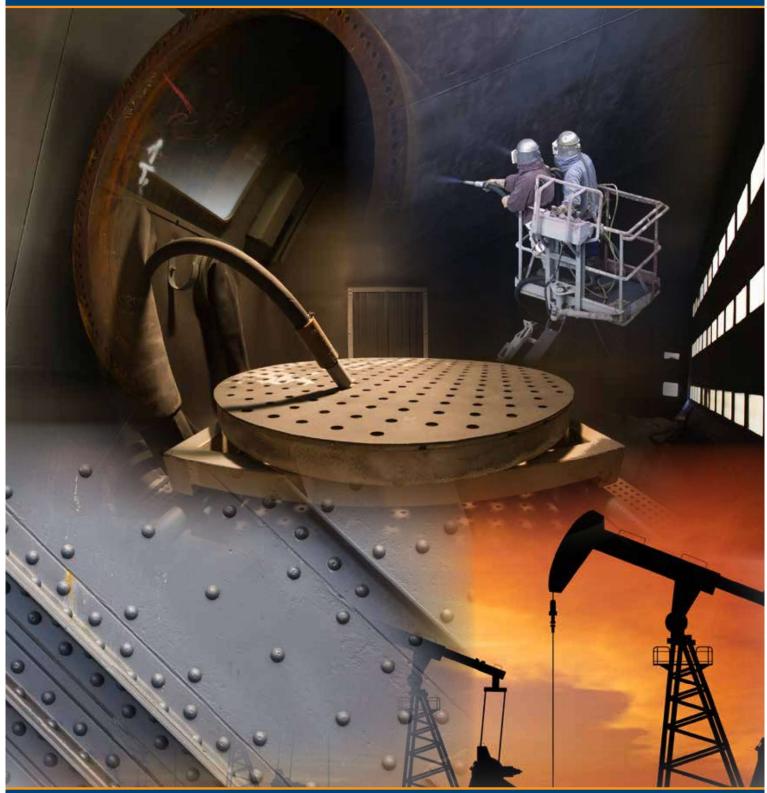
Surface Treatment Solutions



Product Selection Guide 2025





The Airblast Group

Since 1974 Airblast has been the world leader in providing blasting and painting solutions to the anticorrosion industries. With an unparalleled network of offices around the world Airblast works closely with our customers and distribution partners providing tried and tested equipment as well as developing customized solutions for specific applications.

The range of equipment sold by Airblast includes:

- Traditional blasting machines & accessories
- Shot blasting machines
- Blasting & painting rooms
- Blasting robots
- Metallization rooms
- Vacuum recovery systems
- Abrasive recycling systems
- Dust collectors
- · Dehumidification equipment
- Inspection equipment

Airblast equipment is used in the following industries:

- Metal & steel construction
- Shipbuilding
- Petrochemical
- Oil and gas
- Wind energy
- Railway rolling stock
- Casting

Airblast-Abrasives B.V.

Airblast-Abrasives B.V. was founded in 2014 and produces Steel Shot and Steel Grit of the highest quality. Airblast-Abrasives also supplies a complete range of abrasives in every size and hardness. The Airblast-Abrasives team is available to assist customers in selecting the right abrasive mixture and to analyze the work process in order to maximize efficiency. All abrasives are subject to strict quality control to ensure delivery of the best available materials.

Airblast Group Commitments

Airblast is dedicated to maintain a profitable organization on a long term basis through ethically and morally sound business practices. By investing in the long term future of our organization, and those with whom we conduct business, Airblast believes that we can share sustained mutual success.

Our manufacturing facilities in Europe and the Far East produce fit for purpose quality products with region specific certification. All Airblast equipment is manufactured according to the highest relevant safety standards and passes our rigorous quality controls before dispatch.

Mindful of the environmental responsibilities faced by our generation Airblast is committed to a programme of research and development into technologies facilitating zero emission blasting and painting along with an education programme promoting planet friendly operations.



Airblast Corporate Video



Airblast-Abrasives Video



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Blast Machines (blue)

A range of high production single and double chamber blast machines, manufactured in Europe and TÜV approved to suit the requirements of the anticorrosion industries. All machines are designed to guarantee fast filling, unrestricted airflow and easy access for inspection and maintenance. High precision abrasive metering valves give accurate delivery of all types of blasting media.



Features:

- Concave head and conical bottom allows easy filling and smooth flow of all types of abrasive.
- Heavy duty pop-up valve to give quick response to pressurization.
- Lifting eyes for easy mobility.
- · Mobility all machines mounted on large rugged wheels for easy manoeuvrability on site.
- · Working pressure of 12 bar.
- A full range of abrasive metering valves are available.
- Standard fitted with:
- RCV-125 pneumatic operated Remote Control System incl. DMH-125 Deadman Handle and 20 meter twin-line control hose c/w couplings.
 - Clearline Moisture Separator to prevent the entry of moisture and oil from the compressor into the blast pot.
- All machines are CE marked and TÜV approved.

| SPECIFICATIONS | | | | | | | |
|----------------|--------------------------------------|-----------------|---------------|--|--|--|--|
| Model | Dimensions (diameter x height in mm) | Capacity (ltr.) | Weight (kgs.) | | | | |
| ABSC-1028 | 258 x 736 | 18 | 24 | | | | |
| ABSC-1440 | 358 x 1135 | 60 | 61 | | | | |
| ABSC-1648 | 486 x 1170 | 100 | 90 | | | | |
| ABSC-2048 | 486 x 1392 | 140 | 105 | | | | |
| ABSC-2452 | 608 x 1370 | 200 | 135 | | | | |
| ABSC-2460 | 608 x 1620 | 280 | 151 | | | | |

ORDERING INFORMATION

Standard package including:Blast Machine with AP-7/Micro Valve, RCV-125 Remote Control System incl. Silencer, DMH-125 Deadman Handle and Remote Control Hose, Clearline Moisture Separator, Screen, Cover, Blast Hose Nozzle Holder and Coupling, Tungsten Carbide lined Blast Nozzle, HAF Helmet Air Filter, Helmet Air Hose, Blast Helmet with Spare Lenses, Leather/Cotton Overall and a pair of Leather Blasting Gloves.

| Part no. | Description | Part no. | Description |
|----------|-------------|----------|-------------|
| 1001910 | System-3 | 1008917 | System-6 |
| 1004917 | System-4 | 1010068 | System-7 |
| 1006917 | System-5 | 1012068 | System-8 |

| 1144300 | Twin line Control Hose, 5 mtr., coupled |
|---------|---|
| 1144400 | Twin line Control Hose, 20 mtr., coupled |
| 1144500 | Twin line Control Hose, 40 mtr., coupled |
| 1171000 | ARC-H Pneumatic Deadman Handle - small type |
| 1203000 | DMH-125 Pneumatic Deadman Handle |

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Blast Machine (blue) - Features





Blast Machine (blue) Configurator - 18/60 liters

| Part no. | Сара | acity | | | Meterin | g Valves | | | (| Operatio | n | Oth | ner Opti | ons |
|----------|----------|----------|--------------------------------|--------------------------------|--|--------------------------------|----------------------|-------------|------------------|------------------------------|-------------------------------|--------------------------------|--|-----------------------|
| | 18 liter | 60 liter | AP-7 Abrasive Control Valve ½" | GVA-12 Abrasive Metering Valve | FSV Flat Sand Valve $1\%^{\prime\prime}$ | GVA-32 Abrasive Metering Valve | SGV Steel Grit Valve | Micro Valve | Manual Operation | RCV-50 Remote Control System | RCV-125 Remote Control System | Clearline Moisure Separator ½" | Clearline Moisure Separator $1^{\prime}2^{\prime\prime}$ | Safety Valve Assembly |
| 1001010 | • | | • | | | | | | • | | | | | |
| 1001020 | • | | • | | | | | | • | | | • | | |
| 1001030 | • | | • | | | | | | | • | | | | |
| 1001040 | • | | • | | | | | | | • | | • | | |
| 1001060 | • | | • | | | | | | | • | | | | • |
| 1001310 | • | | | • | | | | | • | | | | | |
| 1001330 | • | | | • | | | | | | • | | | | |
| 1003010 | | • | | | • | | | | • | | | | | |
| 1003020 | | • | | | • | | | | | | | | • | |
| 1003030 | | • | | | • | | | | | | • | | | |
| 1003040 | | • | | | • | | | | | | • | | • | |
| 1003050 | | • | | | • | | | | | | • | | | • |
| 1003060 | | • | | | • | | | | | | • | | • | • |
| 1003310 | | • | | | | • | | | • | | | | | |
| 1003330 | | • | | | | • | | | | | • | | | |
| 1004010 | | • | | | | | • | | • | | | | | |
| 1004020 | | • | | | | | • | | • | | | | • | |
| 1004030 | | • | | | | | • | | | | • | | | |
| 1004040 | | • | | | | | • | | | | • | | • | |
| 1004050 | | • | | | | | • | | | | • | | | • |
| 1004060 | | • | | | | | • | | | | • | | • | • |
| 1004911 | | • | | | | | | • | • | | | | | |
| 1004912 | | • | | | | | | • | • | | | | • | |
| 1004913 | | • | | | | | | • | | | • | | | |
| 1004914 | | • | | | | | | • | | | • | | • | |
| 1004915 | | • | | | | | | • | | | • | | | • |
| 1004916 | | • | | | | | | • | | | • | | • | • |

Other configurations are available upon request.

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Blast Machine (blue) Configurator - 100/140 liters

| Part no. | Сара | acity | | Meterin | g Valves | | Oper | ation | Other (| options |
|----------|-----------|-----------|------------------------|-----------------------------------|-------------------------|-------------|------------------|-------------------------------------|--------------------------------|--------------------------|
| | 100 liter | 140 liter | FSV Flat Sand Valve | GVA-32 Abrasive Metering Valve | SGV Steel Grit Valve | Micro Valve | Manual Operation | RCV-125 Remote Control System | Clearline Moisure Separator | Safety Valve Assembly |
| 1005010 | • | | • | | | | • | | | |
| 1005020 | • | | • | | | | • | | • | |
| 1005030 | • | | • | | | | | • | | |
| 1005040 | • | | • | | | | | • | • | |
| 1005050 | • | | • | | | | | • | | • |
| 1005060 | • | | • | | | | | • | • | • |
| 1005310 | • | | | • | | | • | | | |
| 1005330 | • | | | • | | | | • | | |
| 1006010 | • | | | | • | | • | | | |
| 1006020 | • | | | | • | | | | • | |
| 1006030 | • | | | | • | | | • | | |
| 1006040 | • | | | | • | | | • | • | |
| 1006050 | • | | | | • | | | • | • | |
| 1006060 | • | | | | • | | | • | • | • |
| 1006911 | • | | | | | • | • | | | |
| 1006912 | • | | | | | • | • | | • | |
| 1006913 | • | | | | | • | | • | | |
| 1006914 | • | | | | | • | | • | • | |
| 1006915 | • | | | | | • | | • | | • |
| 1006916 | • | | | | | • | | • | • | • |
| 1007010 | | • | • | | | | • | | | |
| 1007020 | | • | • | | | | • | | • | |
| 1007030 | | • | • | | | | | • | | |
| 1007040 | | • | • | | | | | • | • | |
| 1007050 | | • | • | | | | | • | | • |
| 1007060 | | • | • | | | | | • | • | • |
| 1007310 | | • | | • | | | • | | | |
| 1007330 | | • | | • | | | | • | | |
| 1008010 | | • | | | • | | • | | | |
| 1008020 | | • | | | • | | • | | • | |
| 1008030 | | • | | | • | | | • | | |
| 1008040 | | • | | | • | | | • | • | |
| 1008050 | | • | | | • | | | • | | • |
| 1008060 | | • | | | • | | | • | • | • |
| 1008911 | | • | | | | • | • | | | |
| 1008912 | | • | | | | • | • | | • | |
| 1008913 | | • | | | | • | | • | | |
| 1008914 | | • | | | | • | | • | • | |
| 1008915 | | • | | | | • | | • | | • |
| 1008916 | | • | | | | • | | • | • | • |

Other configurations are available upon request.



Blast Machine (blue) Configurator - 200/280 liters

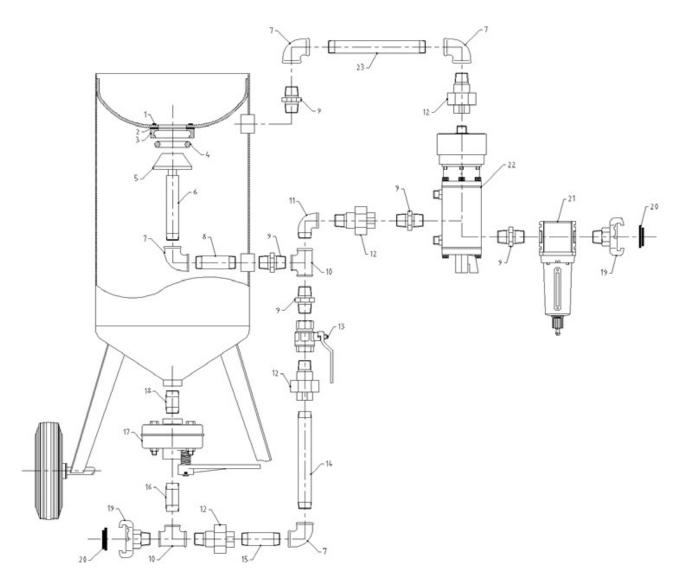
| Part no. | Сар | acity | | Meterin | g Valves | | Oper | ation | Other | options |
|----------|-----------|-----------|------------------------|--------------------------------------|-------------------------|-------------|-----------------------|-------------------------------------|-----------------------------------|--------------------------|
| | 200 liter | 280 liter | FSV Flat Sand Valve | GVA-32 Abrasive Metering Valve | SGV Steel Grit Valve | Micro Valve | Manual Opera- tion | RCV-125 Remote Control System | Clearline Moisure Separator | Safety Valve Assembly |
| 1009010 | • | | • | | | | • | | | |
| 1009020 | • | | • | | | | • | | • | |
| 1009030 | • | | • | | | | | • | | |
| 1009040 | • | | • | | | | | • | • | |
| 1009050 | • | | • | | | | | • | | • |
| 1009060 | • | | • | | | | | • | • | • |
| 1009310 | • | | | • | | | • | | | |
| 1009330 | • | | | • | | | | • | | |
| 1009340 | • | | | • | | | | • | • | |
| 1010010 | • | | | | • | | • | | | |
| 1010020 | • | | | | • | | • | | • | |
| 1010030 | • | | | | • | | | • | | |
| 1010040 | • | | | | • | | | • | • | |
| 1010050 | • | | | | • | | | • | | • |
| 1010060 | • | | | | • | | | • | • | • |
| 1010062 | • | | | | | • | • | | | |
| 1010063 | • | | | | | • | • | | • | |
| 1010064 | • | | | | | • | | • | | |
| 1010065 | • | | | | | • | | • | • | |
| 1010066 | • | | | | | • | | • | | • |
| 1010067 | • | | | | | • | | • | • | • |
| 1011010 | | • | • | | | | • | | | |
| 1011020 | | • | • | | | | • | | • | |
| 1011030 | | • | • | | | | - | • | - | |
| 1011040 | | • | • | | | | | • | • | |
| 1011050 | | • | • | | | | | • | - | • |
| 1011060 | | • | • | | | | | • | • | • |
| 1011310 | | • | | • | | | • | | • | |
| 1011330 | | • | | • | | | - | • | | |
| 1011340 | | | | • | | | | • | • | |
| 1012010 | | • | | - | • | | • | • | • | |
| 1012020 | | • | | | • | | • | | | _ |
| 1012030 | | • | | | • | | | • | | • |
| 1012040 | | | | | • | | | • | • | |
| 1012050 | | | | | • | | | • | • | _ |
| 1012060 | | _ | | | • | | | • | • | _ |
| 1012062 | | | | | • | • | • | _ | • | • |
| 1012062 | | - | | | | • | • | | | |
| 1012064 | | - | | | | _ | | | • | |
| 1012065 | | • | | | | • | | • | | |
| 1012065 | | - | | | | • | | • | • | |
| | | • | | | | • | | • | | • |
| 1012067 | | • | | | | • | | • | • | • |

Other configurations are available upon request.

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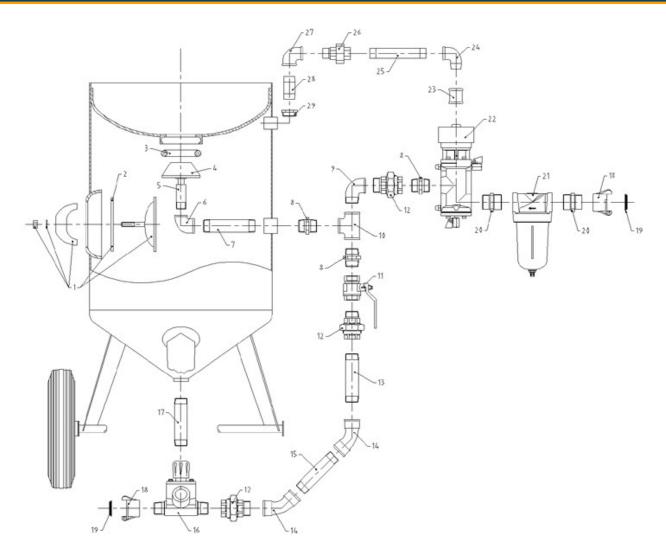
Blast Machine (blue) 18 ltr. - Drawing & Part List



| | Blast Machine (blue) 18 ltr Parts | | | | | | | | | |
|------|-----------------------------------|---------------------------------------|------|----------|-------------------------------------|--|--|--|--|--|
| Item | Part no. | Description | Item | Part no. | Description | | | | | |
| 1 | 1072000 | Pop-up valve seat retainer bolt | 14 | 1089000 | Pipe 150mm, 1/2", MM | | | | | |
| 2 | 1095000 | Gasket for pop-up valve seat retainer | 15 | 1087000 | Pipe 80mm, 1/2", MM | | | | | |
| 3 | 1074000 | Pop-up valve seat retainer | 16 | 1081000 | Pipe 50mm, ½", MM | | | | | |
| 4 | 1073000 | AP-5 Pop-up O-ring | 17 | 6026000 | AP-7 Abrasive control valve, ½", FF | | | | | |
| 5 | 1075000 | AP-2 Pop-up valve with shaft | 18 | 2225300 | Pipe 30 mm, 1/2", MM | | | | | |
| 6 | 1077000 | Inner pipe, ½", M | 19 | 2170200 | KAG-12 Quick coupling, 1/2", M | | | | | |
| 7 | 2197300 | Elbow no. 90, 1/2", FF | 20 | 2164000 | CQG-0 Rubber coupling gasket | | | | | |
| 8 | 1079000 | Inner pipe, ½", MM | 21 | 4056001 | Clearline, ½", FF | | | | | |
| 9 | 2225300 | Hex nipple, ½", MM | 22 | 1122000 | RCV-50 incl. Silencer | | | | | |
| 10 | 2211300 | T-piece, ½", FFF | 23 | 1079000 | Pipe 100 mm, 1/2", MM | | | | | |
| 11 | 2199300 | Elbow, ½", MF | | 1070000 | Cover for ABSC-1028 (not shown) | | | | | |
| 12 | 2249300 | Union, ½", MF | | 1071000 | Screen for ABSC-1028 (not shown) | | | | | |
| 13 | 1090000 | AP-1 Air valve, ½", FF | | | | | | | | |



Blast Machine (blue) 200 ltr. - Drawing & Part List



| | Blast Machine (blue) 200 ltr Parts | | | | | | | | |
|------|------------------------------------|-------------------------------|------|----------|---|--|--|--|--|
| Item | Part no. | Description | Item | Part no. | Description | | | | |
| 1 | 1048000 | Inspection door assy | 17 | 1046000 | Pipe nipple 100mm rubber lined, 1¼", MM | | | | |
| 2 | 1047000 | Inspection door gasket | 18 | 2163000 | CFT Coupling, 1¼", F | | | | |
| 3 | 1192000 | Pop-up O-ring | 19 | 2165000 | Rubber coupling gasket | | | | |
| 4 | 1188000 | Pop-up valve with shaft, flat | 20 | 2275800 | Reduction nipple, 11/2"- 11/4", MM | | | | |
| 5 | 1050000 | Pipe x 170mm, 1", M | 21 | 4057000 | Clearline, 11/2" | | | | |
| 6 | 2259600 | Elbow, 1¼" - 1", FF | 22 | 1202000 | RCV-125/B remote control | | | | |
| 7 | 1027000 | Inner pipe x 275mm, 1¼", MM | 23 | 2291100 | Socket ¾", FF | | | | |
| 8 | 2225600 | Hex nipple, 1¼", MM | 24 | 2291000 | Elbow, ¾", MF | | | | |
| 9 | 2191600 | Elbow, 1¼", MF | 25 | 2290900 | Pipe nipple 100mm, ¾", MM | | | | |
| 10 | 2211600 | T-Piece, 1¼", FFF | 26 | 2290800 | Union, ¾", MF | | | | |
| 11 | 1193000 | Air valve, 1¼", FF | 27 | 2290700 | Elbow, ¾", FF | | | | |
| 12 | 2249600 | Union, 1¼", MF | 28 | 2290601 | Pipe nipple 50mm, ¾", MM | | | | |
| 13 | 1037001 | Pipe nipple 235mm, 1¼", MM | 29 | 2290500 | Reduction ring, ¾" - 1", MF | | | | |
| 14 | 2193600 | Elbow, 1¼", FF | | 1055000 | Screen for ABSC-2452 (not shown) | | | | |
| 15 | 1034000 | Pipe nipple 160mm, 1¼", MM | | 1059000 | Cover for ABSC-2452 (not shown) | | | | |
| 16 | 6080000 | Micro Valve, 1¼" | | | | | | | |

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Airblast Blast Machines (red)

A range of high production single chamber blast machines, manufactured to suit the requirements of the anticorrosion industries. All machines are designed to guarantee fast filling, unrestricted airflow and easy access for inspection and maintenance. High precision abrasive metering valves give accurate delivery of all types of blasting media.

Features:

- Working pressure of 12 bar.
- Concave head and conical bottom allows easy filling and easy flow of all types of abrasives.
- Heavy duty pop-up valve to give quick response to pressurization.
- Lifting eyes for easy mobility.
- Special Designed Hose Connection for easy maintenance.
- Mobility all machines mounted on large rugged wheels for easy manoeuvrability on site.
- A full rrd fitted with:
 - RCV-125 pneumatic operated Remote Control System incl. DMH-125 Deadman Handle and 20 meter twin-line control hose c/w couplings.
 - Highly efficient Clearline Moisture Separator to prevent the entry of moisture and oil from the compressor into the blast pot.
- All machines are CE approved and supplied with full international test certification.



| | SPECIFICATIONS | | | | | |
|----------|---|-----------------|---------------|--|--|--|
| Model | Dimensions (diameter x height in mm) | Capacity (ltr.) | Weight (kgs.) | | | |
| ABSC-18 | 258 x 781 | 18 | 40 | | | |
| ABSC-50 | 630 x 1150 | 50 | 77 | | | |
| ABSC-100 | 800 x 1150 | 100 | 105 | | | |
| ABSC-200 | 850 x 1450 | 200 | 161 | | | |

ORDERING INFORMATION

Standard Package including: Blast Machine with AP-7/Microvalve, RCV-125 Remote Control System incl. Silencer, DMH-125 Deadman Handle and Remote Control Hose, Clearline Moisture Separator, Screen, Cover, Blast Hose Nozzle Holder and Coupling, Tungsten Carbide lined Blast Nozzle, HAF Helmet Air Filter, Helmet Air Hose, Blast Helmet with Spare Lenses, Leather/Cotton Overall and a pair of Leather Blasting Gloves.

| Part no. | Description |
|----------|-------------------|
| 1019108 | ABSC-18 System-3 |
| 1019214 | ABSC-50 System-4 |
| 1019314 | ABSC-100 System-5 |
| 1019414 | ABSC-200 System-7 |

| 1144300 | Twin line Control Hose, 5 mtr., coupled | | | |
|---------|---|--|--|--|
| 1144400 | Twin line Control Hose, 20 mtr., coupled | | | |
| 1144500 | Twin line Control Hose, 40 mtr., coupled | | | |
| 1171000 | ARC-H Pneumatic Deadman Handle - small type | | | |
| 1203000 | DMH-125 Pneumatic Deadman Handle | | | |



Blast Machines (red) - Features



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Blast Machine (red) Configurator - 18/50 liters

| Part no. | Сара | acity | | | Meterin | g Valves | | | (| peratio | n | Oth | ner Opti | ons |
|----------|----------|----------|--------------------------------|--------------------------------|--|--------------------------------|----------------------|-------------|------------------|------------------------------|-------------------------------|--------------------------------|---|-----------------------|
| | 18 liter | 50 liter | AP-7 Abrasive Control Valve ½" | GVA-12 Abrasive Metering Valve | FSV Flat Sand Valve $1\%^{\prime\prime}$ | GVA-32 Abrasive Metering Valve | SGV Steel Grit Valve | Micro Valve | Manual Operation | RCV-50 Remote Control System | RCV-125 Remote Control System | Clearline Moisure Separator ½″ | Clearline Moisure Separator $1 ^{12} ^{\prime\prime}$ | Safety Valve Assembly |
| 1019101 | • | | • | | | | | | • | | | | | |
| 1019102 | • | | • | | | | | | • | | | • | | |
| 1019103 | • | | • | | | | | | | • | | | | |
| 1019104 | • | | • | | | | | | | • | | • | | |
| 1019105 | • | | • | | | | | | | • | | • | | • |
| 1019106 | • | | | • | | | | | • | | | | | |
| 1019107 | • | | | • | | | | | | • | | | | |
| 1019201 | | • | | | • | | | | • | | | | | |
| 1019202 | | • | | | • | | | | | | | | • | |
| 1019203 | | • | | | • | | | | | | • | | | |
| 1019204 | | • | | | • | | | | | | • | | • | |
| 1019205 | | • | | | • | | | | | | • | | | • |
| 1019206 | | • | | | • | | | | | | • | | • | • |
| 1019208 | | • | | | | | | • | • | | | | | |
| 1019209 | | • | | | | | | • | | | | | • | |
| 1019210 | | • | | | | | | • | | | • | | | |
| 1019211 | | • | | | | | | • | | | • | | • | |
| 1019212 | | • | | | | | | • | | | • | | | • |
| 1019213 | | • | | | | | | • | | | • | | • | • |
| 1019215 | | • | | | | • | | | • | | | | | |
| 1019216 | | • | | | | • | | | | | • | | | |
| 1019217 | | • | | | | | • | | • | | | | | |
| 1019218 | | • | | | | | • | | | | | | • | |
| 1019219 | | • | | | | | • | | | | • | | | |
| 1019220 | | • | | | | | • | | | | • | | • | |
| 1019221 | | • | | | | | • | | | | • | | | • |
| 1019222 | | • | | | | | • | | | | • | | • | • |

Other configurations are available upon request.



Blast Machines (red) Configurator - 100/200 liters

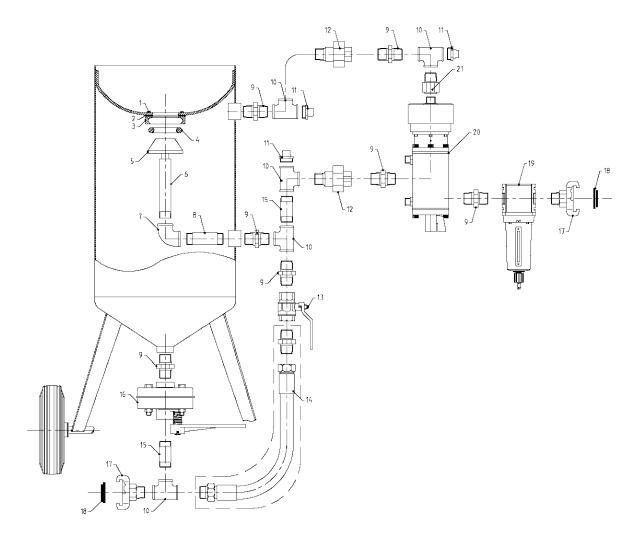
| Part no. | Сара | acity | | Meterin | g Valves | | Oper | ation | Other | options |
|----------|-----------|-----------|------------------------|-----------------------------------|-------------------------|-------------|------------------|-------------------------------------|--------------------------------|--------------------------|
| | 100 liter | 200 liter | FSV Flat Sand Valve | GVA-32 Abrasive Metering Valve | SGV Steel Grit Valve | Micro Valve | Manual Operation | RCV-125 Remote Control System | Clearline Moisure Separator | Safety Valve Assembly |
| 1019301 | • 10 | 50 | • E ≒ | Ό Σ | 8 8 | Ξ | Σ • | X | ŌΣ | SS As |
| 1019301 | • | | • | | | | • | | | |
| 1019302 | • | | • | | | | • | • | • | |
| 1019303 | • | | • | | | | | • | • | |
| 1019304 | • | | • | | | | | • | • | • |
| 1019305 | • | | • | | | | | • | • | • |
| 1019308 | • | | | | | • | • | • | • | _ |
| 1019309 | • | | | | | • | | | • | |
| 1019309 | • | | | | | • | | • | • | |
| 1019310 | • | | | | | • | | • | • | |
| 1019311 | • | | | | | • | | • | - | • |
| 1019312 | • | | | | | • | | • | • | • |
| 1019315 | • | | | • | | | • | | | |
| 1019316 | • | | | • | | | | • | | |
| 1019317 | • | | | | • | | • | | | |
| 1019318 | • | | | | • | | • | | • | |
| 1019319 | • | | | | • | | | • | | |
| 1019320 | • | | | | • | | | • | • | |
| 1019321 | • | | | | • | | | • | | • |
| 1019322 | • | | | | • | | | • | • | • |
| 1019401 | | • | • | | | | • | | | |
| 1019402 | | • | • | | | | • | | • | |
| 1019403 | | • | • | | | | | • | | |
| 1019404 | | • | • | | | | | • | • | |
| 1019405 | | • | • | | | | | • | | • |
| 1019406 | | • | • | | | | | • | • | • |
| 1019408 | | • | | | | • | • | | | |
| 1019409 | | • | | | | • | • | | • | |
| 1019410 | | • | | | | • | | • | | |
| 1019411 | | • | | | | • | | • | • | |
| 1019412 | | • | | | | • | | • | | • |
| 1019413 | | • | | | | • | | • | • | • |
| 1019415 | | • | | • | | | • | | | |
| 1019416 | | • | | • | | | | • | | |
| 1019417 | | • | | • | | | | • | • | |
| 1019418 | | • | | | • | | • | | | |
| 1019419 | | • | | | • | | | | • | |
| 1019420 | | • | | | • | | | • | | |
| 1019421 | | • | | | • | | | • | • | |
| 1019422 | | • | | | • | | | • | | • |
| 1019423 | | • | | | • | | | • | • | • |

Other configurations are available upon request.

PAGE 16 SECTION 1



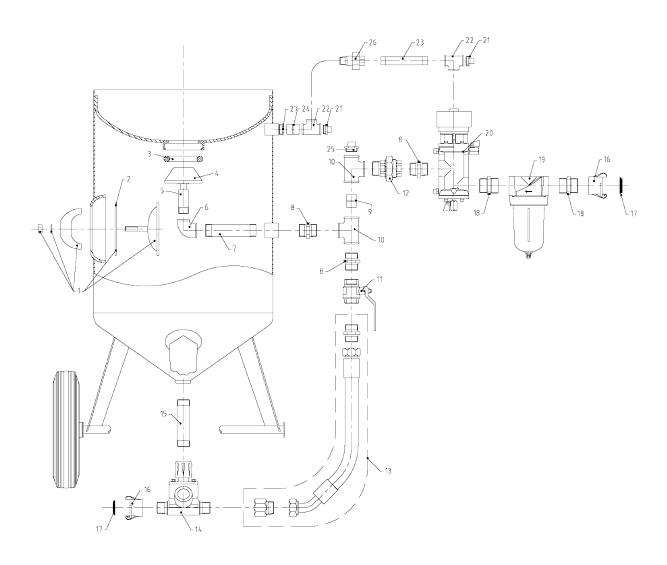
Blast Machine (red) 18 ltr. - Drawing & Part List



| Blast Machine (red) 18 ltr Parts | | | | | |
|----------------------------------|----------|--|------|----------|--------------------------------------|
| Item | Part no. | Description | Item | Part no. | Description |
| 1 | 1072002 | Pop-up valve seat retainer bolt c/w ring | 12 | 2293023 | Union ½", MF, galvanized |
| 2 | 1095002 | Gasket for pop-up valve seat retainer | 13 | 1090000 | AP-1½" Air valve, FF |
| 3 | 1074002 | Pop-up valve seat retainer | 14 | 1089603 | Coupling set air hose 18ltr AP-7 |
| 4 | 1073002 | AP-5 Pop-up O-ring | 15 | 2293026 | Pipe ½" x 50mm, MM, galvanized |
| 5 | 1075002 | AP-2 Pop-up valve with shaft, flat | 16 | 6026000 | AP-7 Abrasive control valve, ½" |
| 6 | 2077002 | Inner pipe x 200mm, ½", MM | 17 | 2170200 | KAG-12 Quick coupling ½", galvanized |
| 7 | 2197300 | Elbow ½", FF | 18 | 2164000 | CQG-0 Rubber coupling gasket |
| 8 | 1079000 | Inner pipe ½" x 100mm, MM | 19 | 4056001 | Clearline ½", FF |
| 9 | 2293014 | Hex nipple ½", MM, galvanized | 20 | 1122000 | RCV 50 incl. silencer |
| 10 | 2293001 | T-piece ½", FFF, galvanized | 21 | 2293029 | Socket ½", MF |
| 11 | 2293002 | Plug ½", galvanized | | | |



Blast Machine (red) 200 ltr. - Drawing & Part List



| | Blast Machine (red) 200 ltr Parts | | | | | | |
|------|---------------------------------------|---------------------------------|------|----------|---|--|--|
| Item | Part no. | Description | Item | Part no. | Description | | |
| 1 | 1048002 | Inspection door assy | 15 | 1034000 | Pipe rubber lined 1¼" x 100mm, MM, galvanized | | |
| 2 | 1047002 | Inspection door gasket | 16 | 2163000 | CFT coupling, 11/4", galvanized | | |
| 3 | 1192000 | Pop up O-ring | 17 | 2165000 | Rubber gasket | | |
| 4 | 1188000 Pop up valve with shaft, flat | | 18 | 2293008 | Reduction nipple, 1½" - 1¼", MM, galvanized | | |
| 5 | 1050000 | Pipe x 170mm 1", MM | 19 | 4057000 | Clearline 11/2" | | |
| 6 | 2259600 | Elbow 1¼" - 1", FF | 20 | 1202000 | RCV-125/B remote control | | |
| 7 | 1027000 | Inner pipe 1¼" x 275mm, MM | 21 | 2293010 | Plug ¾", galvanized | | |
| 8 | 2293004 | Hex nipple 1¼", MM, galvanized | 22 | 2293009 | T piece ¾", FFF, galvanized | | |
| 9 | 2293019 | Pipe 1¼" x 80mm, MM, galvanized | 23 | 2293007 | Pipe x 100mm, ¾", MM, galvanized | | |
| 10 | 2293012 | T piece 1¼", FFF, galvanized | 24 | 2290601 | Pipe ¾" x 50mm, MM, galvanized | | |
| 11 | 1193000 | Air valve 1¼", FF | 25 | 2293011 | Plug 1¼", galvanized | | |
| 12 | 2293003 | Union 1¼", MF, galvanized | 26 | 2293006 | Union ¾", MF, galvanized | | |
| 13 | 1089600 | Coupling set air hose 200ltr | 27 | 2293005 | Reduction ring ¾" - 1", MF, galvanized | | |
| 14 | 6080000 | MicroValve 1¼" | | | | | |

PAGE 18 SECTION 1



Bulk Blasters - Model 120 & 160

Airblast Bulk Blasting Systems are designed for large scale blasting jobs and can be used with a wide range of accessories including a wide choice of nozzles.

Vessels are built to fit various mountings and trailers (see schedule).

Features:

- 8,6 bar (125 psi) rated vessel with four outlet capability
- Full load lifting eyes
- 4" Bottom drain and inlet manifold
- Two complete 1½" Thompson Valve outlets with urethane sleeve (optional tungsten carbide sleeve)
- Pneumatic or electric remote controls
- 30 mtr. twin line control hose or electrical control cord
- 7.5 mtr. power cord
- Deadman control and manual blowdown
- 1½" Internal piping for pressure and vent

All other sizes, configurations and types of tanks available on request.



| Part no. | Decription |
|----------|---|
| | MODELS |
| 1580000 | Model 120 - 120 cu.ft. Bulk Blaster 3400 litre capacity (Shipping weight 2,350 lbs. / 1,070 kg.) |
| 1580100 | Model 160 - 160 cu.ft. Bulk Blaster 4500 litre capacity (Shipping weight 2,950 lbs. / 1,340 kg.) |
| | OPTIONS |
| 1580200 | Moisture Separator |
| 1580300 | Additional outlet, pneumatic or electric, complete |
| 1580400 | Tungsten Carbide sleeve (per outlet) |
| 1526300 | Union End Ball Valve (per outlet) |
| 1580500 | Remote Abrasive Cutoff, pneumatic (per outlet) |
| 1580600 | Remote Abrasive Cutoff, electric (per outlet) |
| 1580700 | 10.3 bar (150 psi) Rated vessel |
| | MOUNTINGS |
| 1580800 | 610 mm (24") Leg extensions |
| 1580900 | Skid mount |
| | TRAILERS - Model 120 only (Load limit: 5450 kgs.) |
| 1581000 | Rigid Axle Yard Trailer, (weight: 485 kgs.) |
| 1581100 | Torsion Suspension Yard Trailer, (weight: 705 kgs.) |
| 1581200 | Highway Trailer with lights, heavy duty fenders, hydraulic brakes, torsion suspension (weight: 655 kgs.) |
| | TRAILERS - Model 120 and 160 (Load limit: 7275 kgs.) |
| 1581300 | Rigid Axle Yard Trailer, (weight: 750 kgs.) |
| 1581400 | Torsion Suspension Yard Trailer, (weight: 775 kgs.) |
| 1581500 | Highway Trailer with lights, heavy duty fenders, hydraulic brakes, torsion suspension (weight: 800 kgs.) |
| | DUAL_TANDEM HIGHWAY TRAILERS - Model 120 and 160 (Load limit: 9100 kgs.) |
| 1581600 | Dual-Tandem Highway Trailer with lights, heavy duty fenders, hydraulic brakes and load leveller leaf spring suspension (weight 1075 kgs.) |



ST1 Blast Gun - suction type

Suction type blast gun with cup suitable for small blasting jobs.

Hardened nozzle Chromed gun housing

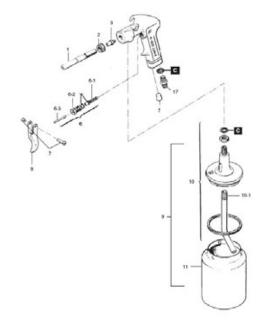
 Nozzle orifice : 3 mm

 Cup capacity : 1 liter
 Air hose connection : G1/4" inner thread • Air consumption at 6 bar : 318 liter/min : 0,850 kg



| ST1 E | ST1 BLAST GUN WITH 1 LTR CUP | | | | | |
|-------|------------------------------|------------------------------|--|--|--|--|
| | Part no. | Description | | | | |
| | 1096000 | ST1 Blast gun with 1 ltr cup | | | | |

| Parts | Parts List | | | | |
|--------------|------------|-------------------------------------|--|--|--|
| Item | Part no. | Description | | | |
| 1 | 1096010 | Outer nozzle ST1 | | | |
| 2 | 1096011 | Adjusting ring ST1 | | | |
| 3 | 1096012 | Inner nozzle ST1 | | | |
| 6 | 1096013 | Air valve complete | | | |
| 6-1 | 1096014 | Air valve spring | | | |
| 6-2 | 1096015 | Air valve | | | |
| 6-3 | 1096016 | Air valve pin | | | |
| 7 | 1096017 | Trigger pin | | | |
| 8 | 1096018 | Trigger | | | |
| С | 1096019 | Packing kit ST1 | | | |
| 9 | 1096020 | Cup complete 1 ltr | | | |
| 10 | 1096021 | Cover complete | | | |
| 10-1 | 1096022 | Suction pipe | | | |
| 11 | 1096023 | Cup 1 ltr | | | |
| | 1096024 | Cup ring gasket leather (set of 10) | | | |
| 17 | 1096025 | Nipple G 1/4 M x G 1/4 M | | | |



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ST2 Blast Gun - suction type

Suction type blast guns with hose are suitable for small blasting jobs.

Hardened nozzle

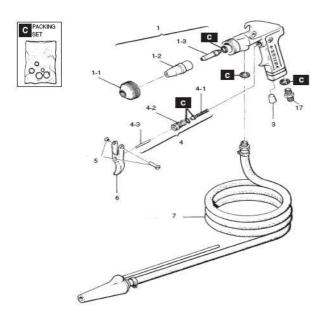
• Nozzle orifice : 5 mm

Air hose connection : G1/4" inner thread
Air consumption at 6 bar : 318 liter/min
Weight : 0,780 kg



| ST2 E | ST2 BLAST GUN WITH SUCTION HOSE | | | | | |
|-------|---------------------------------|---------------------------------------|--|--|--|--|
| | Part no. | Description | | | | |
| | 1097000 | ST2 Blast gun, 5 mm with suction hose | | | | |
| | 1097100 | ST2 Blast gun, 6 mm with suction hose | | | | |

| Parts | Parts List | | | | |
|-------|------------|-------------------------------------|--|--|--|
| Item | Part no. | Description | | | |
| 1 | 1097010 | Inner and outer nozzle kit 5 mm ST2 | | | |
| 1 | 1097011 | Inner and outer nozzle kit 6 mm ST2 | | | |
| 1-1 | 1097012 | Nozzle holder ST2 | | | |
| 1-2 | 1097013 | Outer nozzle 5 mm ST2 | | | |
| 1-2 | 1097014 | Outer nozzle 6 mm ST2 | | | |
| 1-3 | 1097015 | Inner nozzle ST2 | | | |
| 4 | 1096013 | Air valve complete | | | |
| 4-1 | 1096014 | Air valve spring | | | |
| 4-2 | 1096015 | Air valve | | | |
| 4-3 | 1096016 | Air valve pin | | | |
| 5 | 1096017 | Trigger pin | | | |
| 6 | 1096018 | Trigger pin | | | |
| 7 | 1097016 | Suction hose complete | | | |
| 17 | 1096025 | Nipple G 1/4 M x G 1/4 M | | | |
| С | 1097017 | Packing kit ST2 | | | |





Air Receivers

Airblast supplies Air Receivers suitable for various applications in various designs, including high performance of up to 30 bar with different quality certificates such as Lloyds, register of Shipping, Buro Veritas, German Lloyds etc.

The Air Receivers are CE marked and supplied with pressure gauge, safety valve with certificate, moisture drain and ball valve, in PU paint, RAL color or galvanized.



| Part no. | Туре | Capacity | Max. pressure |
|----------|------------|----------|---------------|
| 1590800 | Vertical | 500 | 11 |
| 1590810 | Horizontal | 500 | 11 |
| 1590820 | Vertical | 500 | 16 |
| 1590901 | Horizontal | 500 | 16 |
| 1590910 | Vertical | 750 | 11 |
| 1590920 | Horizontal | 750 | 11 |
| 1590930 | Vertical | 750 | 16 |
| 1590940 | Horizontal | 750 | 16 |
| 1590000 | Horizontal | 1000 | 11 |
| 1590100 | Vertical | 1000 | 11 |
| 1590200 | Horizontal | 1000 | 16 |
| 1590300 | Vertical | 1000 | 16 |
| 1590400 | Horizontal | 1500 | 11 |
| 1590500 | Vertical | 1500 | 11 |
| 1590600 | Horizontal | 1500 | 16 |
| 1590700 | Vertical | 1500 | 16 |
| 1591000 | Horizontal | 2000 | 11 |
| 1591100 | Vertical | 2000 | 11 |
| 1591200 | Horizontal | 2000 | 16 |
| 1591300 | Vertical | 2000 | 16 |
| 1592000 | Horizontal | 3000 | 11 |
| 1592100 | Vertical | 3000 | 11 |
| 1592200 | Horizontal | 3000 | 16 |
| 1592300 | Vertical | 3000 | 16 |

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RCV-125 Remote Control System

The RCV-125 pressure-release pneumatic systems operate on the return-air principle. A handle installed at the nozzle connects pneumatically to inlet and outlet valves on the blast machine. With the safety petcock on the inlet valve closed, the operator depresses the handle which opens the inlet valve and closes the outlet to start blasting; releasing the handle reverses the process and blasting stops. This safety system stops blasting should the operator lose control of the nozzle. And when the blast session is over, the safety petcock is opened to prevent activation, even when the handle is depressed.

For applications that require frequent starts and stops, machines should be equipped with pressure-hold pneumatic remote controls, which keep the blast machine under pressure but allow the operator to start and stop blasting as frequently as needed. The machine is pressurized and depressurized manually, and the remote control handle controls the on/off of the abrasive and air independently. These systems are available in pneumatic and electric models.



| ORDERIN | ORDERING INFORMATION | |
|----------|--|--|
| Part no. | Decription | |
| 1200000 | RCV-125/20 1¼" REMOTE CONTROL VALVE COMPLETE INCLUDING: Silencer/Muffler, 20 meters twin hose coupled, DMH-125 Deadman Handle | |
| 1201000 | RCV-125/40 11/4" REMOTE CONTROL VALVE COMPLETE INCLUDING: Silencer/Muffler, 40 meters twin hose coupled, DMH-125 Deadman Handle | |
| 1202000 | RCV-125/B REMOTE CONTROL VALVE ONLY (SILENCER INCLUDED) | |
| 1203000 | DMH-125 Deadman Handle for twin line remote control operation | |

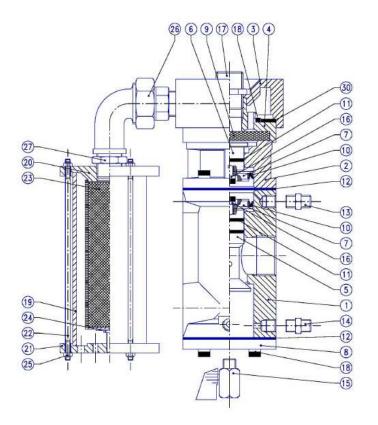


| TWIN LINE HOSE ASSEMBLIES | |
|---------------------------|---------------------------------------|
| 1144300 | Twin hose coupled, lenght of 5 mtrs. |
| 1144400 | Twin hose coupled, lenght of 20 mtrs. |
| 1144500 | Twin hose coupled, lenght of 40 mtrs. |

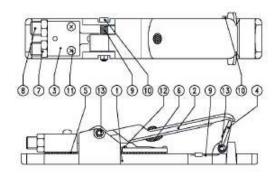


RCV-125 Remote Control System

| Item | Part no. | Description | | Qty |
|------|----------|----------------------------|---|-----|
| 01 | 1206000 | Valve housing | | 1 |
| 02 | 1206100 | Bleed-off cylinder housing | | 1 |
| 03 | 1206200 | Bleed-off manifold | | 1 |
| 04 | 1206300 | Top cover | | 1 |
| 05 | 1206400 | Inlet valve | | 1 |
| 06 | 1206500 | Bleed-off cylinder | | 1 |
| 07 | 1206600 | Piston | | 2 |
| 80 | 1206700 | Bottom plate | | 1 |
| 09 | 1206800 | Diaphragm | * | 1 |
| 10 | 1206900 | Piston seal | * | 2 |
| 11 | 1207000 | O-ring | * | 3 |
| 12 | 1207100 | Packing | * | 2 |
| 13 | 1178000 | Brass hex nipple ¼" | | 1 |
| 14 | 1178000 | Brass hex nipple ¼" | | 1 |
| 15 | 1152000 | Ball valve 1/4" | | 2 |
| 16 | 1207200 | Piston screw 8x15 | | 2 |
| 17 | 2225400 | Hex nipple ¾" | | 1 |
| 18 | 1207400 | Screw 8x25 | | 12 |
| 19 | 1207600 | Silencer housing | | 1 |
| 20 | 1207700 | Silencer top cover | | 1 |
| 21 | 1207800 | Silencer bottom plate | | 1 |
| 22 | 1207900 | Silencer housing pin 5x215 | | 3 |
| 23 | 1208000 | Silencer cartridge | | 1 |
| 24 | 1208100 | Silencer cartridge support | | 1 |
| 25 | 1208600 | Nut | | 6 |
| 26 | 1208400 | Union elbow | | 1 |
| 27 | 2225400 | Hex nipple ¾" | | 1 |
| 28 | 1208700 | Check valve (not shown) | | 1 |
| 29 | 1207500 | Plug ¼" (not shown) | | 1 |
| 30 | 1209600 | O-ring | * | |



| DMH-125 DEADMAN HANDLE - Parts | | | |
|--------------------------------|----------|---|-----|
| Item | Part no. | Description | Qty |
| 01 | 1203100 | Handle body | 1 |
| 02 | 1203200 | Lever | 1 |
| 03 | 1203300 | Pneumatic manifold | 1 |
| 04 | 1203400 | Lever safety lock | 1 |
| 05 | 1203500 | Gasket | 1 |
| 06 | 1203600 | Rubber insert | 1 |
| 07 | 1203700 | Reduction nipple ¼" x 1/8" (restricted) | 1 |
| 80 | 1203800 | Reduction nipple ¼" x 1/8" | 1 |
| 09 | 1203900 | Spring | 2 |
| 10 | 1204000 | Screw 5x40 | 2 |
| 11 | 1204100 | Screw 4x25 | 2 |
| 12 | 1204200 | Screw 4x10 | 4 |
| 13 | 1204300 | Lock nut | 2 |



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RCV-50 Remote Control System

The RCV-50 pressure-release pneumatic systems operate on the return-air principle. A handle installed at the nozzle connects pneumatically to inlet and outlet valves on the blast machine. With the safety petcock on the inlet valve closed, the operator depresses the handle which opens the inlet valve and closes the outlet to start blasting; releasing the handle reverses the process and blasting stops. This safety system stops blasting should the operator lose control of the nozzle. And when the blast session is over, the safety petcock is opened to prevent activation, even when the handle is depressed.

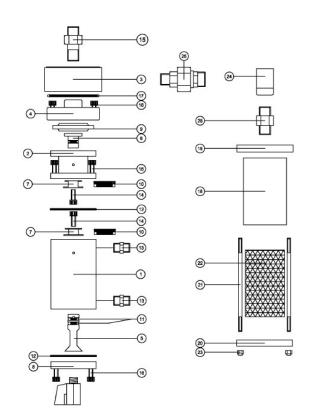
For applications that require frequent starts and stops, machines should be equipped with pressure-hold pneumatic remote controls, which keep the blast machine under pressure but allow the operator to start and stop blasting as frequently as needed. The machine is pressurized and depressurized manually, and the remote control handle controls the on/off of the abrasive and air independently. These systems are available in pneumatic and electric models.



| ORDERING INFORMATION | | |
|----------------------|--|--|
| Part no. | Decription | |
| 1122000 | RCV-50 Remote Control Valve ½", complete | |
| 1122001 | RCV-50/B Remote Control Valve ½", bare (excl. Silencer) | |
| 1122202 | Silencer assembly | |
| 1203000 | DMH-125 Deadman Handle for twin line remote control operation (for parts see data sheet RCV-125) | |

| RCV-50 REMOTE CONTROL VALVE - Parts | | | | |
|-------------------------------------|-------------|----------------------------------|---|-----|
| Item | Part no. | Description | | Qty |
| 01 | 1122010 | Valve housing | | 1 |
| 02 | 1122020 | Bleed-off cylinder | | 1 |
| 03 | 1122030 | Bleed-off manifold | | 1 |
| 04 | 1122040 | Top cover | | 1 |
| 05 | 1122050 | Inlet valve | | 1 |
| 06 | 1122060 | Bleed-off cylinder | | 1 |
| 07 | 1122070 | Piston | | 2 |
| 80 | 1122080 | Bottom plate | | 1 |
| 09 | 1122090 | Diaphragm | * | 1 |
| 10 | 1122100 | Piston seal | * | 2 |
| 11 | 1122110 | O-ring | * | 3 |
| 12 | 1122120 | Packing | * | 2 |
| 13 | 1178000 | Brass hex nipple ¼" | | 1 |
| 14 | 1122130 | Piston screw M6 x 15 | | 1 |
| 15 | 1122140 | Nipple ½" BSP (M) x ¾" BSP (M) | | 2 |
| 16 | 1122150 | Cap screw M6 x 20 | | 2 |
| 17 | 1122160 | O-ring | * | 1 |
| 18 | 1122170 | Silencer housing | | 12 |
| 19 | 1122180 | Silencer top plate | | 1 |
| 20 | 1122190 | Silencer bottom plate | | 1 |
| 21 | 1122200 | Silencer housing pin 5x215 | | 1 |
| 22 | 1122210 | Silencer cartridge | | 3 |
| 23 | 1122220 | Lock nut | | 1 |
| 24 | 1122230 | Union elbow | | 1 |
| 25 | 1122240 | Union | | 1 |
| 26 | 1122250 | Nipple 3%" BSP (M) x 3%" BSP (M) | | 1 |
| 27 | 1152000 | Plug ¼" (not shown) | | 1 |
| 28 | 1152000 | Ball valve ¼" | | |
| All *-m | narked item | ns are included in | | |

All *-marked items are included in RCV-50 Repair kit (art.nr. 1122203) in the quantities shown.



| TWIN LINE HOSE ASSEMBLIES | |
|---------------------------|---------------------------------------|
| 1144300 | Twin hose coupled, lenght of 5 mtrs. |
| 1144400 | Twin hose coupled, lenght of 20 mtrs. |
| 1144500 | Twin hose coupled, lenght of 40 mtrs. |



ACV - Airblast Combo Valve

The Airblast Combo Valve is a normally closed, self sealing, fail-safe valve that combines the functions of the air inlet valve and blowdown valve, eliminating premature failure of the blowdown system. It is controlled with either pneumatic or electric remote controls. When the deadman control is pressed, the Combo Valve's unitized piston assembly instantly shifts, opening the air inlet and pinching the blowdown hose closed, starting the blasting operation. None of the usual wear or failures found in other blowdown systems can occur with the ComboValve.

The Airblast Combo Valve eliminates the need for abrasive traps, expensive plungers and diaphragms that can require frequent, unscheduled and costly downtime. The blowdown hose can be replaced in just a few minutes, and any service or repair can be safely performed without removing the complete valve. A large internal air passage minimizes pressure loss common to other systems.



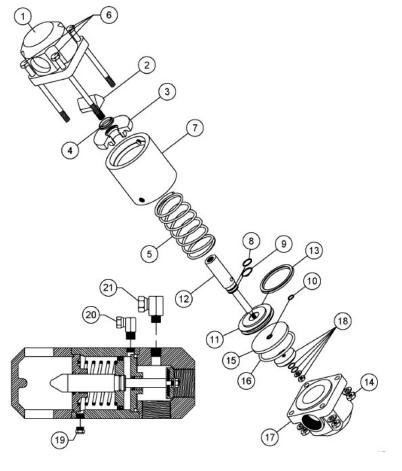
Features:

- Rugged, non-corrosive body
- Twinline hose connection
- Unitized position assembly
- Blowdown hose pinch ram
- Large internal passage for improved blasting productivity

| AIRBLAST COMBO VALVE - assembly | | |
|---------------------------------|----------------------------------|--|
| Part no. | Decription | |
| 6094000 | ACV - Airblast Combo Valve 11/4" | |

| AIRBLAST COMBO VALVE - Parts | | | | |
|------------------------------|----------|--------------------------|---|-----|
| Item | Part no. | Description | | Qty |
| 01 | 6094100 | Сар | | 1 |
| 02 | 6094200 | Pinch ram | | 1 |
| 03 | 6094300 | Upper rod guide | | 1 |
| 04 | 6094400 | Seal (upper rod) | * | 1 |
| 05 | 6094500 | Spring | | 1 |
| 06 | 6094600 | Bolt, 3/8" x 6" | | 4 |
| 07 | 6094700 | Cylinder | | 1 |
| 08 | 6094800 | O-ring (shaft) | * | 1 |
| 09 | 6094900 | Snap ring | * | 1 |
| 10 | 6095000 | Seal (lower rod) | * | 1 |
| 11 | 6095100 | Piston | | 1 |
| 12 | 6095200 | Shaft | | 1 |
| 13 | 6095300 | Piston seal | * | 1 |
| 14 | 6095400 | Nut, 3/8" | | 4 |
| 15 | 6095500 | Lower rod guide | | 1 |
| 16 | 6095600 | O-ring (lower rod guide) | * | 1 |
| 17 | 6095700 | Base | | 1 |
| 18 | 6095800 | Valve plug assembly | * | 1 |
| 19 | 6096000 | Vent, 1/8" | | 1 |
| 20 | 6096100 | 90° Swivel, 1/8" x 1/8" | | 1 |
| 21 | 6096200 | 90° Swivel, ¼" x ¼" | | 1 |

^{*} Not sold separately, only as part of repair kit 6096400.



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Deadman Systems - Electric

Some blasting jobs require the use of long runs of blast hose because the blast pot cannot be located near the blasting area. When using longer lengths of blast hose and using a pneumatic deadman handle, there is a delay in activation and deactivation of the blast machine. This problem is caused by the time taken for the pneumatic signal to reach the remote control valve. The longer the hose, the longer the delay.

Those who are using multiple lengths of blast hose can maintain a safer work environment by using a electric deadman handle with a more reliable response. The E-DMH/S Electric Deadman Systems enables the operation of the blast machine from a larger distance. The Electric Deadman System is recommended when the blast hose exceeds a length of 40 meters and will provide instant activation of the remote control valve and eliminate the delay encountered with pneumatic handles. The handle operates on 12/24 or 230 V power supply.

Advantages

- For immediate remote control operation
- Replaces twinline and pneumatic control handle
- An Electric Deadman System is quicker and less sensitive to failure



| ELECTRIC | DEADMAN HANDLES | |
|----------|---|------------------------------------|
| Part no. | Decription | |
| 1203008 | E-DMH Standard incl. cable and connector | |
| 1203009 | E-DMH Safety clip incl. cable and connector | |
| 1203010 | E-DMH Premium incl. cable and connector | |
| ELECTRIC | DEADMAN SWITCHES - MAGNETIC | |
| 1203011 | E-DMS Magnetic incl. clip, cable and connector | |
| 1203012 | E-DMS Magnetic incl. hand band, cable and connector | O AND THE BUILDING WE SHALL OF THE |

| ELECTRIC | CONTROL BOX |
|----------|--|
| 1203018 | Electric control box 230 V with 1,5 mtr. cable incl. connector (optional in 12/24 V) |

| EXTENSIO | EXTENSION CABLES | | |
|----------|--|--|--|
| 1203014 | 1203014 Extension cable 10 mtr. incl. connectors | | |
| 1203015 | 1203015 Extension cable 20 mtr. incl. connectors | | |
| 1203016 | 1203016 Extension cable 30 mtr. incl. connectors | | |
| 1203017 | 1203017 Extension cable 40 mtr. incl. connectors | | |



Clearline Water Filter / Moisture Separator

Airblast blasting machines feature a highly efficient Clearline Moisture Separator.

The moisture separator prevents moisture and oil from the compressor entering the blast machine.

Often this is especially necessary when using old compressors, working at low temperatures or at a large distance from the compressor.

The Clearline Moisture Separator eliminates up to 98% of the condensate and oil from compressed air. This prevents the abrasive becoming damp and clogging the machine.

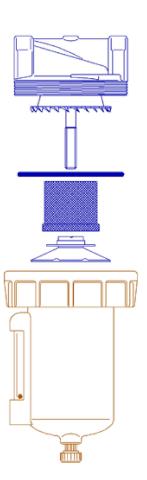
Available in the sizes ½" and 1½".



| CLEARLINE | CLEARLINE WATER FILTER / MOISTURE SEPARATOR | | |
|-----------|---|--|--|
| Part no. | Part no. Description | | |
| 4056001 | CLEARLINE 1/2" for use with 1028 blast machine with 1/2" piping. | | |
| 4057000 | 4057000 CLEARLINE 11/2" with manual drain for use with blast machines with 11/4" piping. | | |
| 4058000 | 4058000 CLEARLINE 1½" AUTOMATIC with automatic drain for use with blast machines with 1¼" piping. | | |

| SPARE PARTS CLEARLINE 11/2" | | |
|-----------------------------|---|--|
| Part no. Description | | |
| 4057600 | Bowl kit and sight glass, includes: - Bowl - Sigh glass assembly - O-ring - Manual drain assembly | |
| 4058100 | Automatic drain option | |
| 4057300 | 40 micron filter | |

| SPARE PARTS CLEARLINE 1/2" | | |
|----------------------------|-------------------------|--|
| Part no. | Description | |
| 4056003 | Particle filter element | |



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AP-7 Abrasive Control Valve

The Airblast AP-7 Abrasive Control Valve 1/2" is used to provide precise metering of abrasive from the blast pot to the blast hose.

One fixed, and one movable stainless steel metering plate provide long life and a high degree of metering adjustment, ensuring maximum productivity without abrasive wastage.

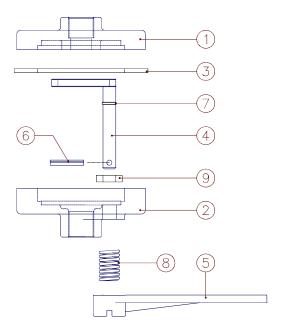
The AP-7 Abrasive Control Valve is best suited to blasting applications using expendable type abrasives, such as crushed glass and copper slag.

Airblast offers a full selection of metering valves. Contact Airblast to discuss which metering valve is most suitable for your specific application.



| ORDERING INFORMATION | | |
|----------------------|--------------------------------|--|
| Part no. | Decription | |
| 6026000 | AP-7 Abrasive Control Valve ½" | |

| AP-7 Abrasive Control Valve - Parts | | | |
|-------------------------------------|----------|-------------------------|-----|
| Item | Part no. | Description | Qty |
| 01 | 6027000 | Top casting | 1 |
| 02 | 6028000 | Bottom casting | 1 |
| 03 | 6029000 | Valve body gasket | 1 |
| 04 | 6030000 | Metering plate and stem | 1 |
| 05 | 6031000 | Handle | 1 |
| 06 | 6032000 | Spring pin | 1 |
| 07 | 6033000 | O-ring | 1 |
| 08 | 6034000 | Spring | 1 |
| 09 | 6035000 | Washer | 1 |





Flat Sand Valve

The Airblast Flat Sand Valve is used to provide metering of abrasive from the blast pot to the blast hose. With its unique 45° design, the FSV Flat Sand Valve permits a smooth, natural flow of abrasives into the blasting air stream.

The FSV Flat Sand Valve is best suited to blasting applications using expendable type abrasives, such as crushed glass and copper slag.

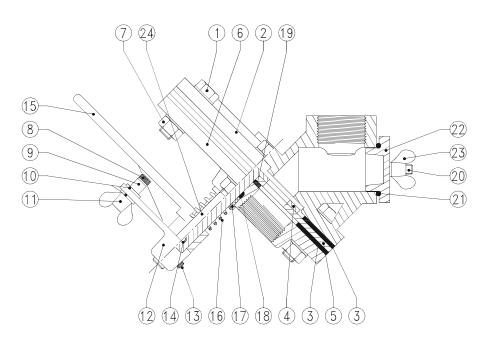
Airblast offers a full selection of metering valves. Contact Airblast to discuss which metering valve is most suitable for your specific application.



| ORDERING INFORMATION | | |
|----------------------|---------------------------|--|
| Part no. | Decription | |
| 6001000 | FSV Flat Sand Valve 11/4" | |

| FSV Flat Sand Valve - Parts | | | |
|-----------------------------|----------|---------------------------|-----|
| Item | Part no. | Description | Qty |
| 01 | 6002000 | Bolt M12 x 45 mm | 4 |
| 02 | 6003000 | Upper body | 1 |
| 03 | 6004000 | Rubber gasket | 2 |
| 04 | 6005000 | Valve | 1 |
| 05 | 6006000 | Disc | 1 |
| 06 | 6007000 | Lower body | 1 |
| 07 | 6008000 | Nut M12 | 8 |
| 08 | 6009000 | Head cap screw M6 x 25 mm | 1 |
| 09 | 6010000 | Handle bolt spacer | 1 |
| 10 | 6011000 | Washer 6 mm | 2 |

| FSV Fla | FSV Flat Sand Valve - Parts | | | |
|---------|-----------------------------|----------------------------------|-----|--|
| Item | Part no. | Description | Qty | |
| 11 | 6012000 | Wing nut M6 | 1 | |
| 12 | 6013000 | Gauge unit | 1 | |
| 13 | 6014000 | Set screw M6 | 2 | |
| 14 | 6015000 | Handle pin | 1 | |
| 15 | 6016000 | Control handle | 1 | |
| 16 | 6017000 | Compressing spring | 1 | |
| 17 | 6018000 | Packing gland | 1 | |
| 18 | 6019000 | Packing | 1 | |
| 19 | 6020000 | Gasket | 1 | |
| 20 | 6021000 | Inspection plate bolt M8 x 35 mm | 2 | |
| 21 | 6022000 | O-ring | 1 | |
| 22 | 6023000 | Inspection plate | 1 | |
| 23 | 6024000 | Wing nut M8 | 2 | |
| 24 | 6025000 | FSV bolt | 2 | |



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SGV Steel Grit Valve

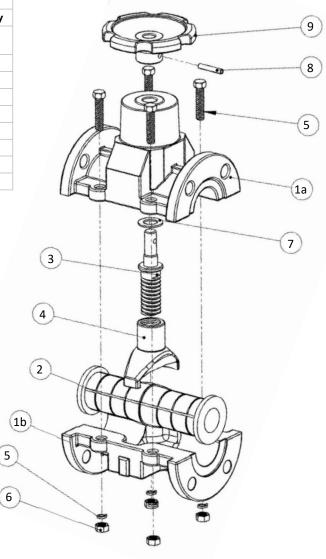
The Airblast SGV Steel Grit Valve is used to provide metering of abrasive into the compressed air flow at the outlet of a blast machine.

The SGV Steel Grit Valve is suitable for metering heavy or aggressive abrasive materials, such as steel shot and grit, chilled iron grit or aluminium oxide. The SGV Steel Grit Valve design prevents the valve body from coming into contact with the abrasive stream. The abrasive stream only touches the rubber liner, which may be quickly replaced when worn. The abrasive is metered by means of closing the rubber pipe by a adjustment screw.

Airblast offers a full selection of metering valves. Contact Airblast to discuss which metering valve is most suitable for your specific application.

| ORDERING INFORMATION | | |
|----------------------|-------------------------|--|
| Part no. | Decription | |
| 6062000 | SGV Steel Grit Valve 1" | |

| SGV Steel Grit Valve - Parts | | | |
|------------------------------|----------|--|--------|
| Item | Part no. | Description | Qty |
| 1a 1b | 6062200 | Upper body Lower body | 1 1 |
| 2 | 6062100 | Rubber sleeve 1" ID | 1 |
| 3 | 6062500 | Adjusting screw | 1 |
| 4 | 6062400 | Yoke | 1 |
| 5 | 6062401 | Hex bolt M8x1.25x35 with spring washer | 4 |
| 6 | 6062402 | Hex nut M8x1.25x35 | 4 |
| 7 | 6062600 | Washer | 1 |
| 8 | 6062601 | Roller pin | 1 |
| 9 | 6062700 | Control handle | 1 |





GVA Abrasive Membrame Valve

The Airblast GVA Abrasive Membrane Valve is used to provide precise metering of abrasive into the compressed air flow at the outlet of a blast machine.

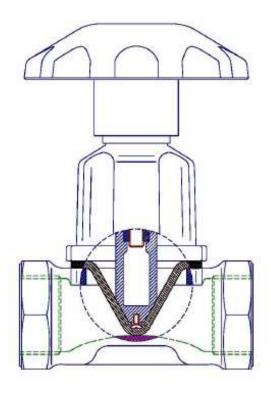
The GVA Abrasive Membrane Valve design prevents the valve top body from coming into contact with the abrasive stream. The abrasive stream only touches the valve bottom and the membrane, which may be quickly replaced when worn. The abrasive is metered by means of closing the membrane by a metering screw.

Airblast offers a full selection of metering valves. Contact Airblast to discuss which metering valve is most suitable for your specific application.



| ORDERING INFORMATION | | | |
|----------------------|--|--|--|
| Part no. | Part no. Decription | | |
| 6070000 | GVA 12 - Abrasive Membrane Valve 1/2" | | |
| 6070500 | GVA 25 - Abrasive Membrane Valve 1" | | |
| 6071000 | 071000 GVA 32 - Abrasive Membrane Valve 11/4" | | |
| 6071500 | 6071500 GVA 38 - Abrasive Membrane Valve 11/2" | | |

| GVA Abrasive Membrane Valves - Parts | |
|--------------------------------------|--|
| Part no. Description | |
| 6071100 | Membrane for GVA-25, GVA-32 and GVA-38 |
| 6071200 | Membrane for GVA-12 |



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ATRBIAST

AMV - Airblast Micro Valve

The AMV Airblast Micro Valve offers one of the highest degrees of abrasive metering adjustment. This permits precise, constant abrasive flow to the blast nozzle, resulting in significant cost savings due to virtually no abrasive wastage.

Suitable for use with all types of abrasives such as garnet, fine mesh aluminum oxide, as well as steel shot and grit the AMV is uses considerably less abrasives when compared with the other valves, combined with maximum blasting productivity and reduced downtime.

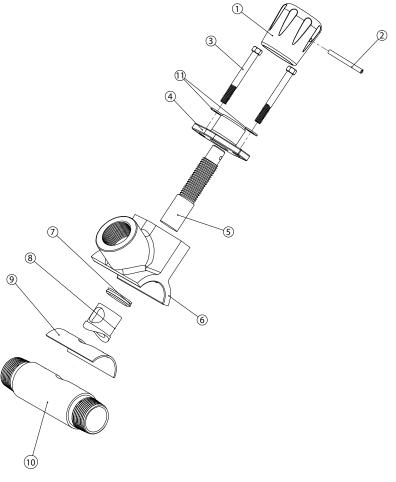
Features:

- low profile design
- rugged non-corrosive body
- urethane sleeve protects valve core
- case hardened nipples provide superior wear resistance
- easy to maintain, fewer replacement parts
- infinite metering capabilities
- hardened steel plunger for long operating life
- complete range of replacement parts available



| ORDERI | NG INFORMATION |
|----------|--|
| Part no. | Decription |
| 6080000 | Micro Valve 11/4" with Urethane Sleeve |

| AMV Abrasive Metering Valve - Parts | | | | |
|-------------------------------------|--|---|---|-----|
| Item | Part no. | Description | | Qty |
| 01 | 6081000 | Control knob | | 1 |
| 02 | 6081500 | Roll pin | * | 1 |
| 03 | 6082000 | Bolt | | 2 |
| 04 | 6082500 | Сар | | 1 |
| 05 | 6083000 | Plunger | * | 1 |
| 06 | 6083500 | Body | | 1 |
| 07 | 6084000 | Plunger seal | * | 1 |
| 08 | 6084500 | Urethane sleeve | * | 1 |
| 09 | 6085000 | Gasket | * | 1 |
| 10 | 6086600 | Pipe nipple 1¼" BSPT (M) x 1¼" BSPT (M) | | 1 |
| 11 | 6082100 | Washer | | 2 |
| | 6087000 Repair kit (consist of *-marked items) | | | |





Thompson Valve

The original Thompson Valve is a normally closed, self sealing, abrasive metering valve known for its instant, smooth response to either pneumatic or electric deadman controls. This fail-safe valve shuts off abrasive flow to the nozzle and seals the tank at the same instant. A remote abrasive cutoff is available, allowing the operator to stop the flow of media while continuing a constant flow of air. This provides a quick and easy way to clear the blast hose and blasting area of abrasive.

Designed for superior operator safety, the Thompson Valve is ideal for multiple outlet use and is easily adaptable to most existing blasting systems.

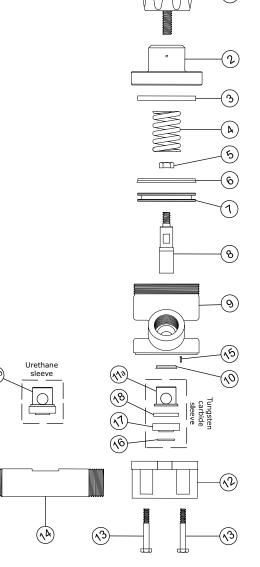
Features

- One knob precisely controls abrasive (all types) flow
- Standard urethane sleeve for normal operation, or optional tungsten carbide sleeve for extended life
- Design minimizes air turbulence in mixing chamber, providing even media flow
- A short path helps ensure constant abrasive media flow
- Orifice is sized for precise metering of abrasive
- Rugged, non-corrosive body

| ORDERING INFORMATION | | | |
|----------------------|---|--|--|
| Part no. | Decription | | |
| 6088000 | Thompson Valve 1" with Tungsten Carbide sleeve | | |
| 6088500 | Thompson Valve 1" with Urethane sleeve | | |
| 6089000 | Thompson Valve 1¼" with Tungsten Carbide sleeve | | |
| 6089500 | Thompson Valve 1¼" with Urethane sleeve | | |
| 6090000 | Thompson Valve 11/2" with Tungsten Carbide sleeve | | |
| 6090500 | Thompson Valve 11/2" with Urethane sleeve | | |

| ТНОМІ | PSON VALV | /E Abrasive Metering Valve - Parts | | |
|-------|-----------|---|--------|----|
| Item | Part no. | Description | TC | U |
| 01 | 6091000 | Control knob | | |
| 02 | 6091100 | Cap | | |
| 03 | 6091200 | Bump ring | | |
| 04 | 6091300 | Spring | | |
| 05 | 6091400 | Nut | | |
| 06 | 6091500 | Piston seal | * | ** |
| 07 | 6091600 | Piston | | |
| 08 | 6091700 | Tungsten carbide plunger | * | ** |
| 09 | 6091800 | Cylinder | | |
| 10 | 6091900 | Plunger seal | * | ** |
| 11a | 6092900 | Tungsten carbide sleeve | * | |
| 11b | 6092000 | Urethane sleeve | | ** |
| 12 | 6092100 | Base | | |
| 13 | 6092200 | Bolt | | |
| 14a | 6092300 | Pipe nipple 1" M x 1" M | | |
| 14b | 6092400 | Pipe nipple 1¼" M x 1¼" M | | |
| 14c | 6092500 | Pipe nipple 1½" M x 1½" M | | |
| 15 | 6099250 | Sleeve pin | | |
| 16 | 6092600 | O-ring | | ** |
| 17 | 6092700 | Insert | | ** |
| 18 | 6092800 | Seat | | ** |
| | 6093000 | Repair kit for TC sleeve, consist of *-mark | ed ite | ms |
| | 6093100 | Repair kit for U sleeve, consist of **-mark | ed ite | ms |





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Thompson Valve II

The Thompson Valve II is a next-generation Thompson Valve designed to provide the ultimate in metering performance. It is a normally closed, self sealing, abrasive metering valve with instant, smooth response to either pneumatic or electric deadman controls. This fail-safe valve shuts off abrasive flow to the nozzle and seals the tank at the same instant. A remote abrasive cutoff is available, allowing the operator to stop the flow of media while continuing a constant flow of air. This provides a quick and easy way to clear the blast hose and blasting area of abrasive. The Thompson Valve II is ideal for multiple outlet use and is easily adaptable to most existing blasting systems. A lower overall profile allows more room between valve and blast pot for easy access.

Building on the original, market leading Thompson Valve, the Thompson Valve II offers an even higher level of performance, enhanced serviceability and longer life.

Features

- Spring is preloaded with spring retainer (not shown). Allows for easy spring replacement
- Triple plunger seals prevent media from entering piston chamber and extend valve life
- · Bolt-on cap provides easier service access to piston and piston seal
- A short path helps ensure constant abrasive media flow
- Orifice is sized for precise metering of abrasive
- Rugged, non-corrosive body
- O-ring on sleeve prevents media entrapment, reduces sliding friction
- Larger seat allows for better media flow into the air stream. A shallower seat angle prevents media from being trapped under the plunger, extending part life
- Middle section is separate from cylinder to provide easier removal of sleeve, plunger seal & seat during service

Airblast offers a full selection of metering valves. Contact Airblast to discuss which metering valve is most suitable for your specific application.

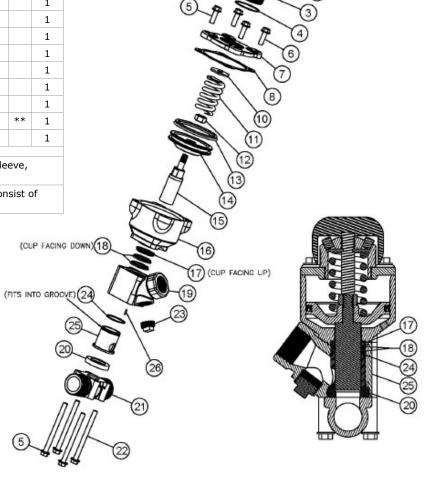


| ORDERI | ORDERING INFORMATION | | |
|----------|--|--|--|
| Part no. | Decription | | |
| 6093200 | Thompson Valve II - 1" with Tungsten Carbide sleeve | | |
| 6093300 | Thompson Valve II - 1" with Urethane sleeve | | |
| 6093400 | Thompson Valve II - 1¼" with Tungsten Carbide sleeve | | |
| 6093500 | Thompson Valve II - 1¼" with Urethane sleeve | | |
| 6093600 | Thompson Valve II - 11/2" with Tungsten Carbide sleeve | | |
| 6093700 | Thompson Valve II - 11/2" with Urethane sleeve | | |



Thompson Valve II

| Item | Part no. | Description | TC | U | Qty |
|------|----------|--|--------|--------|-----|
| 01 | 6099010 | Control knob | | | 1 |
| 02 | 6099020 | Breather vent | | | 1 |
| 03 | 6099030 | Spring retainer | | | 1 |
| 04 | 6099040 | O-ring | * | ** | 1 |
| 05 | 6099050 | Washer | | | 1 |
| 06 | 6099060 | Hex bolt, 3/8" UNC x 11/4" Lg. | | | 1 |
| 07 | 6099070 | Cap plate | | | 1 |
| 08 | 6099080 | Cap gasket | * | ** | 1 |
| 10 | 6099270 | Vibration disc | | | 1 |
| 11 | 6099090 | Spring | | | 1 |
| 12 | 6099100 | Nut | | | 1 |
| 13 | 6091500 | Piston seal | * | ** | 1 |
| 14 | 6099110 | Piston | | | 1 |
| 15 | 6099120 | Tungsten carbide plunger | * | ** | 1 |
| 16 | 6099130 | Cylinder | | | 1 |
| 17 | 6091900 | Plunger seal (1x) | | | 1 |
| 18 | 6099140 | Plunger seal (2x) | | | 2 |
| 19 | 6099150 | Body | | | 1 |
| 20 | 6099160 | Seat | | | 1 |
| 21a | 6099170 | Base 1" NPT | | | 1 |
| 21b | 6099180 | Base 1¼" NPT | | | 1 |
| 21c | 6099190 | Base 1½" NPT | | | 1 |
| 22 | 6099200 | Hex bolt, 3/8" UNC x 43/4" Lg. | | | 1 |
| 23 | 6099210 | Plug | | | 1 |
| 24 | 6099220 | O-ring | | | 1 |
| 25a | 6099230 | Tungsten carbide sleeve | * | | 1 |
| 25b | 6099240 | Urethane sleeve | | ** | 1 |
| 26 | 6099250 | Sleeve pin | | | 1 |
| | 6093800 | Repair kit for Tungsten Carbio consist of *-marked items | de sle | eve, | |
| | 6093900 | Repair kit for Urethane sleeve **-marked items | e, con | sist (| of |



PAGE 36 SECTION 1



Section 2 - Nozzles/Holders/Hoses/Couplings

| Product | Page |
|---|------|
| Blast nozzles - ATSD(X) Tungsten carbide long venturi nozzles with aluminium jacket | 38 |
| Blast nozzles - ATJD(X) Tungsten carbide medium venturi nozzles with aluminium jacket | 39 |
| Blast nozzles - AT(L) Tungsten carbide short venturi nozzles with aluminium jacket | 40 |
| Blast nozzles - RJL Tungsten carbide long venturi nozzles with rubber jacket | 41 |
| Blast nozzles - AHTN(X) Tungsten carbide long venturi nozzles with Hi-Tec jacket | 42 |
| Blast nozzles - ATCUX(S) Tungsten carbide long venturi nozzles with urethane jacket | 43 |
| Blast nozzles - ADV Tungsten carbide double venturi nozzles with aluminium jacket | 44 |
| Blast nozzles - ATST Tungsten carbide stick-up nozzles with aluminium jacket | 45 |
| Blast nozzles - ABSN(X) Silicon nitride long venturi nozzles with polyurethane jacket | 46 |
| Blast nozzles - ABSCX Silicon carbide long venturi nozzles with polyurethane jacket | 47 |
| Blast nozzles - ABC(X) Boron carbide long venturi nozzles with aluminium jacket | 48 |
| Blast nozzles - ABCXL Boron carbide extra long venturi nozzles with aluminium jacket | 49 |
| Blast nozzles - ABCS Boron carbide stick-up nozzles with aluminium jacket | 50 |
| Blast nozzles - ASB Tungsten carbide spinnerblast nozzles with aluminium jacket | 51 |
| Blast nozzles - WIN Tungsten carbide water injection nozzles with aluminium jacket | 52 |
| Nozzle orifice gauge | 53 |
| Blast nozzles - AAM Tungsten carbide angle nozzles with aluminium jacket | 54 |
| Blast nozzles & holders - ABCM / ABCL / ABCLI / ANH Boron carbide flange type/lead-in nozzles | 55 |
| Blast nozzles - ABCFT / ABCA / ABCC / ABCR Boron carbide flange type nozzles | 56 |
| Nozzle holders - NNH/CHE - Nylon/Aluminium | 57 |
| SKG / KIG / KAG / SL - Cast iron air hose couplings and clamps | 58 |
| CQT / CQN / CQG - Couplings - nylon and cast iron | 59 |
| CCC / OF / IF / M / F - Quick connect couplings - brass | 60 |
| Camlock couplings system - aluminium | 61 |
| Blast hose / nozzle pressure gauge / whip check safety cable | 62 |
| Polyurethane suction / discharge hose | 63 |
| Rubber suction / discharge hose | 64 |
| Rubber suction / discharge hose - heavy duty | 65 |
| Air pressure hose / whip check safety cable | 66 |
| High pressure paint spray hose | 67 |





ATSD(X) Tungsten Carbide Blasting Nozzles

The ATSD(X) range comprises of Tungsten Carbide lined long venturi nozzles with Aluminum Jackets. Tungsten Carbide is the liner material of choice for the majority of contractors due to long life and impact resistance - the Aluminum Jacket adds to the rugged character of the nozzle. Long venturi nozzles are used in standard applications in which the blaster operates at a distance of more than 30 cm (or 12") from the surface.

The ATSD nozzle has a 25 mm (1") inlet and the ATJDX has a 32 mm (1%'') inlet -both are available with a standard large thread (/50) or fine thread.

Airblast high velocity long venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.



| ORDERI | NG INFORMATION | | | |
|----------|---|---------|--------|-------|
| Part no. | Description | Orifice | Lenght | Inlet |
| 2001000 | ATSD-3 TC Nozzle with fine thread | 4,8 mm | 135 mm | 25 mm |
| 2002000 | ATSD-4 TC Nozzle with fine thread | 6,4 mm | 135 mm | 25 mm |
| 2003000 | ATSD-5 TC Nozzle with fine thread | 8,0 mm | 145 mm | 25 mm |
| 2004000 | ATSD-6 TC Nozzle with fine thread | 9,5 mm | 170 mm | 25 mm |
| 2005000 | ATSD-7 TC Nozzle with fine thread | 11,0 mm | 200 mm | 25 mm |
| 2006000 | ATSD-8 TC Nozzle with fine thread | 13,0 mm | 230 mm | 25 mm |
| 2007000 | ATSDX-4 TC Nozzle with fine thread | 6,4 mm | 135 mm | 32 mm |
| 2008000 | ATSDX-5 TC Nozzle with fine thread | 8,0 mm | 145 mm | 32 mm |
| 2009000 | ATSDX-6 TC Nozzle with fine thread | 9,5 mm | 170 mm | 32 mm |
| 2010000 | ATSDX-7 TC Nozzle with fine thread | 11,0 mm | 200 mm | 32 mm |
| 2011000 | ATSDX-8 TC Nozzle with fine thread | 13,0 mm | 230 mm | 32 mm |
| 2012000 | ATSDX-10 TC Nozzle with fine thread | 16,0 mm | 230 mm | 32 mm |
| 2013000 | ATSDX-12 TC Nozzle with fine thread | 19,0 mm | 230 mm | 32 mm |
| 2014000 | ATSD-3/50 TC Nozzle with large 50 mm thread | 4,8 mm | 135 mm | 25 mm |
| 2015000 | ATSD-4/50 TC Nozzle with large 50 mm thread | 6,4 mm | 135 mm | 25 mm |
| 2016000 | ATSD-5/50 TC Nozzle with large 50 mm thread | 8,0 mm | 145 mm | 25 mm |
| 2017000 | ATSD-6/50 TC Nozzle with large 50 mm thread | 9,5 mm | 170 mm | 25 mm |
| 2018000 | ATSD-7/50 TC Nozzle with large 50 mm thread | 11,0 mm | 200 mm | 25 mm |
| 2019000 | ATSD-8/50 TC Nozzle with large 50 mm thread | 13,0 mm | 230 mm | 25 mm |
| 2020000 | ATSDX-4/50 TC Nozzle with large 50 mm thread | 6,4 mm | 135 mm | 32 mm |
| 2021000 | ATSDX-5/50 TC Nozzle with large 50 mm thread | 8,0 mm | 145 mm | 32 mm |
| 2022000 | ATSDX-6/50 TC Nozzle with large 50 mm thread | 9,5 mm | 170 mm | 32 mm |
| 2023000 | ATSDX-7/50 TC Nozzle with large 50 mm thread | 11,0 mm | 200 mm | 32 mm |
| 2024000 | ATSDX-8/50 TC Nozzle with large 50 mm thread | 13,0 mm | 230 mm | 32 mm |
| 2025000 | ATSDX-10/50 TC Nozzle with large 50 mm thread | 16,0 mm | 230 mm | 32 mm |
| 2026000 | ATSDX-12/50 TC Nozzle with large 50 mm thread | 19,0 mm | 230 mm | 32 mm |

The standard size thread of the nozzle is 50 mm, which is indicated by /50 in the part number. Without this indication the nozzle has a fine thread of 41 mm.

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.

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ATJD(X) Tungsten Carbide Medium Blasting Nozzles

The ATJD(X) range comprises of Tungsten Carbide lined medium venturi nozzles with Aluminum Jackets. Tungsten Carbide is the liner material of choice for the majority of contractors due to long life and impact resistance - the Aluminum Jacket adds to the rugged character of the nozzle. Medium venturi nozzles are mainly used in applications in which the blasting is conducted in a confined space - therefore the blaster will normally operate at a distance of less than 30 cm (12") from the surface.

The ATJD nozzle has a 25 mm (1") inlet and the ATJDX has a 32 mm (1%") inlet -both are available with a standard large thread (/50) or fine thread.

Airblast high velocity venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.



| ORDERIN | | | | |
|----------|---|---------|--------|-------|
| Part no. | Description | Orifice | Lenght | Inlet |
| 2027000 | ATJD-3 TC Nozzle with fine thread | 4,8 mm | 85 mm | 25 mm |
| 2028000 | ATJD-4 TC Nozzle with fine thread | 6,4 mm | 85 mm | 25 mm |
| 2029000 | ATJD-5 TC Nozzle with fine thread | 8,0 mm | 85 mm | 25 mm |
| 2030000 | ATJD-6 TC Nozzle with fine thread | 9,5 mm | 85 mm | 25 mm |
| 2031000 | ATJD-7 TC Nozzle with fine thread | 11,0 mm | 85 mm | 25 mm |
| 2032000 | ATJD-8 TC Nozzle with fine thread | 13.0 mm | 85 mm | 25 mm |
| 2032900 | ATJDX-4 TC Nozzle with fine thread | 6,4 mm | 85 mm | 32 mm |
| 2033000 | ATJDX-5 TC Nozzle with fine thread | 8,0 mm | 85 mm | 32 mm |
| 2034000 | ATJDX-6 TC Nozzle with fine thread | 9,5 mm | 85 mm | 32 mm |
| 2035000 | ATJDX-7 TC Nozzle with fine thread | 11,0 mm | 85 mm | 32 mm |
| 2036000 | ATJDX-8 TC Nozzle with fine thread | 13.0 mm | 85 mm | 32 mm |
| 2037000 | ATJDX-10 TC Nozzle with fine thread | 16.0 mm | 85 mm | 32 mm |
| 2038000 | ATJD-3/50 TC Nozzle with large 50 mm thread | 4,8 mm | 85 mm | 25 mm |
| 2039000 | ATJD-4/50 TC Nozzle with large 50 mm thread | 6,4 mm | 85 mm | 25 mm |
| 2040000 | ATJD-5/50 TC Nozzle with large 50 mm thread | 8,0 mm | 85 mm | 25 mm |
| 2041000 | ATJD-6/50 TC Nozzle with large 50 mm thread | 9,5 mm | 85 mm | 25 mm |
| 2042000 | ATJD-7/50 TC Nozzle with large 50 mm thread | 11,0 mm | 85 mm | 25 mm |
| 2043000 | ATJD-8/50 TC Nozzle with large 50 mm thread | 13.0 mm | 85 mm | 25 mm |
| 2043900 | ATJDX-4/50 TC Nozzle with large 50 mm thread | 6,4 mm | 85 mm | 32 mm |
| 2044000 | ATJDX-5/50 TC Nozzle with large 50 mm thread | 8,0 mm | 85 mm | 32 mm |
| 2045000 | ATJDX-6/50 TC Nozzle with large 50 mm thread | 9,5 mm | 85 mm | 32 mm |
| 2046000 | ATJDX-7/50 TC Nozzle with large 50 mm thread | 11,0 mm | 85 mm | 32 mm |
| 2047000 | ATJDX-8/50 TC Nozzle with large 50 mm thread | 13.0 mm | 85 mm | 32 mm |
| 2048000 | ATJDX-10/50 TC Nozzle with large 50 mm thread | 16.0 mm | 85 mm | 32 mm |

The standard size thread of the nozzle is 50 mm, which is indicated by /50 in the part number. Without this indication the nozzle has a fine thread of 41 mm.

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.



AT(L) Tungsten Carbide Short Blasting Nozzles

The AT(L) range comprises of Tungsten Carbide lined short venturi nozzles with Aluminium Jackets. Tungsten Carbide is the liner material of choice for the majority of contractors due to long life and impact resistance - the Aluminium Jacket (adds to the rugged character of the nozzle).

This range is designed to fit to 13 mm ($\frac{1}{2}$ ") blast hose and to be used on 18 liter blast pots or in blast cabinets. The ATL nozzles have a large thread (28 mm) and the AT nozzles have a finer thread (26 mm).

Airblast high velocity venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.



| Part no. | Description | Orifice | Lenght | Inlet |
|----------|---|---------|--------|-------|
| 2085000 | AT-2 TC Nozzle with fine 26 mm thread | 3,2 mm | 45 mm | 13 mm |
| 2086000 | AT-3 TC Nozzle with fine 26 mm thread | 4,8 mm | 45 mm | 13 mm |
| 2087000 | AT-4 TC Nozzle with fine 26 mm thread | 6,5 mm | 45 mm | 13 mm |
| 2088000 | AT-5 TC Nozzle with fine 26 mm thread | 8,0 mm | 45 mm | 13 mm |
| 2089000 | AT-6 TC Nozzle with fine 26 mm thread | 9,5 mm | 45 mm | 13 mm |
| 2090000 | AT-8 TC Nozzle with fine 26 mm thread | 13,0 mm | 45 mm | 13 mm |
| 2085100 | ATL-2 TC Nozzle with large 28 mm thread | 3,2 mm | 45 mm | 13 mm |
| 2086100 | ATL-3 TC Nozzle with large 28 mm thread | 4,8 mm | 45 mm | 13 mm |
| 2087100 | ATL-4 TC Nozzle with large 28 mm thread | 6,5 mm | 45 mm | 13 mm |
| 2088100 | ATL-5 TC Nozzle with large 28 mm thread | 8,0 mm | 45 mm | 13 mm |
| 2089100 | ATL-6 TC Nozzle with large 28 mm thread | 9,5 mm | 45 mm | 13 mm |
| 2090100 | ATL-8 TC Nozzle with large 28 mm thread | 13,0 mm | 45 mm | 13 mm |

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.

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RJL Tungsten Carbide Blasting Nozzles

The RJL range comprises of Tungsten Carbide lined long venturi nozzles with a Rubber Jacket. Tungsten Carbide is the liner material of choice for the majority of contractors due to long life and impact resistance - the Rubber Jacket provides impact resistance for tough environments. Long venturi nozzles are used in standard applications in which the blaster operates at a distance of more than 30 cm (or 12") from the surface.

The RJL series are available with a 32 mm ($1\frac{1}{4}$ ") inlet and a large thread, with an orifice range from 4,8 mm to 19 mm.

Airblast high velocity long venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.



| ORDERING INFORMATION | | | | |
|----------------------|---|---------|--------|-------|
| Part no. | Description | Orifice | Lenght | Inlet |
| 2049000 | RJL-3/50 TC Nozzle with large 50 mm thread | 4,8 mm | 135 mm | 32 mm |
| 2050000 | RJL-4/50 TC Nozzle with large 50 mm thread | 6,5 mm | 135 mm | 32 mm |
| 2051000 | RJL-5/50 TC Nozzle with large 50 mm thread | 8,0 mm | 145 mm | 32 mm |
| 2052000 | RJL-6/50 TC Nozzle with large 50 mm thread | 9,5 mm | 170 mm | 32 mm |
| 2053000 | RJL-7/50 TC Nozzle with large 50 mm thread | 11,0 mm | 200 mm | 32 mm |
| 2054000 | RJL-8/50 TC Nozzle with large 50 mm thread | 13.0 mm | 235 mm | 32 mm |
| 2054100 | RJL-10/50 TC Nozzle with large 50 mm thread | 16.0 mm | 235 mm | 32 mm |
| 2054200 | RJL-12/50 TC Nozzle with large 50 mm thread | 19.0 mm | 235 mm | 32 mm |

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.



AHTN(X) Tungsten Carbide Blasting Nozzles

The AHTN(X) range comprises of tungsten carbide lined long venturi nozzles with durable Hi-Tec. Tungsten Carbide is the liner material of choice for the majority of contractors due to long life and impact resistance - the Hi-Tec Jacket adds to the durable character of the nozzle. Long venturi nozzles are used in standard applications in which the blaster operates at a distance of more than 30 cm (or 12") from the surface.

Airblast high velocity venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.



| ORDERIN | IG INFORMATION | | |
|----------|--|---------|-------|
| The AHTN | nozzle has a 25 mm (1") inlet and a large 50 mm thread. | | |
| Part no. | Description | Orifice | Inlet |
| 2410000 | AHTN-3/50 TC Nozzle with large 50 mm thread | 4,8 mm | 25 mm |
| 2411000 | AHTN-4/50 TC Nozzle with large 50 mm thread | 6,4 mm | 25 mm |
| 2412000 | AHTN-5/50 TC Nozzle with large 50 mm thread | 8,0 mm | 25 mm |
| 2413000 | AHTN-6/50 TC Nozzle with large 50 mm thread | 9,5 mm | 25 mm |
| 2414000 | AHTN-7/50 TC Nozzle with large 50 mm thread | 11,0 mm | 25 mm |
| 2415000 | AHTN-8/50 TC Nozzle with large 50 mm thread | 13,0 mm | 25 mm |
| The AHTN | nozzle has a 32 mm (1¼") inlet and a large 50 mm thread. | | |
| Part no. | Description | Orifice | Inlet |
| 2416000 | AHTNX-3/50 TC Nozzle with large 50 mm thread | 4,8 mm | 32 mm |
| 2417000 | AHTNX-4/50 TC Nozzle with large 50 mm thread | 6,4 mm | 32 mm |
| 2418000 | AHTNX-5/50 TC Nozzle with large 50 mm thread | 8,0 mm | 32 mm |
| 2419000 | AHTNX-6/50 TC Nozzle with large 50 mm thread | 9,5 mm | 32 mm |
| 2420000 | AHTNX-7/50 TC Nozzle with large 50 mm thread | 11,0 mm | 32 mm |
| 2421000 | AHTNX-8/50 TC Nozzle with large 50 mm thread | 13,0 mm | 32 mm |

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.

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ATCUX(S) Tungsten Carbide Blasting Nozzles

The ATCUX(S) range comprises of tungsten carbide lined long venturi nozzles with lightweight durable urethane jacket. Tungsten Carbide is the liner material of choice for the majority of contractors due to long life and impact resistance - the Urethane Jacket adds to the durable character of the nozzle. Long venturi nozzles are used in standard applications in which the blaster operates at a distance of more than 30 cm (or 12") from the surface.

Airblast high velocity venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.



ORDERING INFORMATION

The ATCUXS nozzle has a 25 mm (1") inlet and large 50 mm thread. Colour: blue

| Part no. | Description | Orifice | Lenght | Inlet |
|----------|---|---------|--------|-------|
| 2474500 | ATCUXS-3/50 TC Nozzle with large 50 mm thread | 4,8 mm | 74 mm | 25 mm |
| 2475000 | ATCUXS-4/50 TC Nozzle with large 50 mm thread | 6,5 mm | 74 mm | 25 mm |
| 2476000 | ATCUXS-5/50 TC Nozzle with large 50 mm thread | 8,0 mm | 74 mm | 25 mm |
| 2477000 | ATCUXS-6/50 TC Nozzle with large 50 mm thread | 9,5 mm | 74 mm | 25 mm |
| 2478000 | ATCUXS-7/50 TC Nozzle with large 50 mm thread | 11,0 mm | 74 mm | 25 mm |
| 2479000 | ATCUXS-8/50 TC Nozzle with large 50 mm thread | 12,5 mm | 74 mm | 25 mm |

The ATCUX nozzle has a 32 mm (1¼") inlet and a large 50 mm thread. Colour: green

| Part no. | Description | Orifice | Lenght | Inlet |
|----------|--|---------|--------|-------|
| 2470000 | ATCUX-4/50 TC Nozzle with large 50 mm thread | 6,5 mm | 130 mm | 32 mm |
| 2471000 | ATCUX-5/50 TC Nozzle with large 50 mm thread | 8,0 mm | 150 mm | 32 mm |
| 2472000 | ATCUX-6/50 TC Nozzle with large 50 mm thread | 9,5 mm | 170 mm | 32 mm |
| 2473000 | ATCUX-7/50 TC Nozzle with large 50 mm thread | 11,0 mm | 200 mm | 32 mm |
| 2474000 | ATCUX-8/50 TC Nozzle with large 50 mm thread | 12,5 mm | 210 mm | 32 mm |

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.



ADV Tungsten Carbide Double Venturi Nozzles

The double venturi offers a 35% larger blast pattern than a standard long venturi with only a slight loss in abrasive velocity.

Designed to be used on jobs where medium cutting action is required with a more even dispersion of abrasive throughout the larger blast pattern.

Airblast high velocity venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.



ORDERING INFORMATION

ADV - Double Venturi Nozzle. Aluminium Jacket/steel barrel/TC liner with fine thread (1.25" 11.5 TPI-NPSM)

| Part no. | Description | Orifice (mm) | Lenght (mm) | Inlet (mm) |
|----------|-------------|--------------|-------------|------------|
| 2440000 | ADV-4 | 6,4 | 159 | 25 |
| 2441000 | ADV-5 | 8,0 | 173 | 25 |
| 2442000 | ADV-6 | 9,5 | 189 | 25 |
| 2443000 | ADV-7 | 11,0 | 228 | 25 |
| 2444000 | ADV-8 | 13.0 | 247 | 25 |

| ADV - Double Venturi Nozzle. Aluminium Jacket/steel barrel/TC liner with large thread (2" 4.5 TPI UNC) | | | | |
|--|-------------|--------------|-------------|------------|
| Part no. | Description | Orifice (mm) | Lenght (mm) | Inlet (mm) |
| 2450000 | ADV-4/50 | 6,4 | 159 | 25 |
| 2451000 | ADV-5/50 | 8,0 | 173 | 25 |
| 2452000 | ADV-6/50 | 9,5 | 189 | 25 |
| 2453000 | ADV-7/50 | 11,0 | 228 | 25 |
| 2454000 | ADV-8/50 | 13,0 | 247 | 25 |

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.

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ATST Tungsten Carbide Stick-up Blasting Nozzles

The ATST range comprises of Tungsten Carbide lined "stick-up" nozzles with Aluminium Jackets. "Stick-up" nozzles fit directly into the blast hose without using a nozzle holder – this allows for increased maneuverability in restricted areas such as behind re-enforcement beams. Tungsten Carbide is the liner material of choice for the majority of contractors due to long life and impact resistance - the aluminium jacket adds to the rugged character of the nozzle. The ATST series is available for use with 25 mm and 32 mm blast hose.

Airblast high velocity venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.



| ORDERING INFORMATION | | | | |
|----------------------|------------------------------|---------|--------|-------|
| Part no. | Description | Orifice | Lenght | Inlet |
| 2116000 | ATST-5/25 TC Stick/up Nozzle | 8.0 mm | 115 mm | 25 mm |
| 2117000 | ATST-6/25 TC Stick/up Nozzle | 10,0 mm | 115 mm | 25 mm |
| 2118000 | ATST-5/32 TC Stick/up Nozzle | 8.0 mm | 115 mm | 32 mm |
| 2118100 | ATST-6/32 TC Stick/up Nozzle | 10,0 mm | 115 mm | 32 mm |
| 2118200 | ATST-8/32 TC Stick/up Nozzle | 11.0 mm | 115 mm | 32 mm |

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.



ABSN(X) Silicon Nitride Blasting Nozzles

The ABSN(X) range comprises of Silicon Nitride lined long venturi nozzles with Polyurethane Jackets. The use of the Silicon Nitride liner reduces the weight of the nozzle by approximately 50% when compared to a standard nozzles of the same size – this reduces operator fatigue. Silicon Nitride is also more durable than other nozzle liners making and operating life of over 500 hours possible. The Polyurethane Jacket cushions the liner in tough job site conditions. The molding of the polyurethane is carried out by vacuum which guarantees an accurate fit into the nozzle holder.

The ABSN nozzle has a 25 mm (1") inlet and the ABSNX has a 32 mm (1%") inlet and are available with a standard large thread (/50) or fine thread.

Airblast high velocity long venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.



| ORDERING INFORMATION | | | | |
|----------------------|---|---------|--------|-------|
| Part no. | Description | Orifice | Lenght | Inlet |
| 2026100 | ABSN – 3/50 Silicon Nitride Nozzle with large 50 mm thread | 4,8 mm | 115 mm | 25 mm |
| 2026200 | ABSN - 4/50 Silicon Nitride Nozzle with large 50 mm thread | 6,5 mm | 135 mm | 25 mm |
| 2026300 | ABSNX – 5/50 Silicon Nitride Nozzle with large 50 mm thread | 8 mm | 150 mm | 32 mm |
| 2026400 | ABSNX – 6/50 Silicon Nitride Nozzle with large 50 mm thread | 9,5 mm | 170 mm | 32 mm |
| 2026500 | ABSNX – 7/50 Silicon Nitride Nozzle with large 50 mm thread | 11 mm | 205 mm | 32 mm |
| 2026700 | ABSNX – 8/50 Silicon Nitride Nozzle with large 50 mm thread | 13 mm | 235 mm | 32 mm |

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.

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ABSCX Silicon Carbide Blasting Nozzles

The ABSCX range comprises of Silicon Carbide lined long venturi nozzles with Polyurethane Jackets. The use of the Silicon Carbide liner reduces the weight of the nozzle by approximately 40% when compared to a standard nozzle of the same size – this reduces operator fatigue. Silicon Carbide is also a very durable nozzle liner providing increased operating life when compared to standard nozzle liners.

The ABSCX nozzle has a 32 mm (1 $\frac{1}{4}$ ") inlet and is available with a standard large 50 mm thread.

Airblast high velocity venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.



| ORDERING INFORMATION | | | | |
|----------------------|---|---------|--------|-------|
| Part no. | Description | Orifice | Lenght | Inlet |
| 2048300 | ABSCX – 5/50 Silicon Carbide Nozzle with large 50 mm thread | 8,0 mm | 145 mm | 32 mm |
| 2048400 | ABSCX - 6/50 Silicon Carbide Nozzle with large 50 mm thread | 9,5 mm | 170 mm | 32 mm |
| 2048500 | ABSCX - 7/50 Silicon Carbide Nozzle with large 50 mm thread | 11,0 mm | 200 mm | 32 mm |
| 2048600 | ABSCX - 8/50 Silicon Carbide Nozzle with large 50 mm thread | 13,0 mm | 230 mm | 32 mm |

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.



ABC(X) Boron Carbide Blasting Nozzles

The ABC(X) range comprises of Boron Carbide lined long venturi nozzles with an Aluminum Jacket. Boron Carbide is the most durable liner available – therefore these nozzles perform especially well with aggressive abrasives such as aluminum oxide, silicon carbide and steel grit, and are therefore often used in blast rooms.

The ABC(X) nozzle has a 25 mm (1") inlet and the ABSNX has a 32 mm (1 $\frac{1}{4}$ ") inlet and are available with a standard large thread (/50) or fine thread.

Airblast high velocity venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.



| Part no. | Description | Orifice | Lenght | Inlet |
|----------|---|---------|--------|-------|
| 2121900 | ABC-3 BC Nozzle with fine thread | 5,0 mm | 140 mm | 25 mm |
| 2122000 | ABC-4 BC Nozzle with fine thread | 6,0 mm | 140 mm | 25 mm |
| 2122100 | ABC-5 BC Nozzle with fine thread | 8,0 mm | 140 mm | 25 mm |
| 2122200 | ABC-5 BC Nozzle with fine thread | 8,0 mm | 165 mm | 25 mm |
| 2122300 | ABC-6 BC Nozzle with fine thread | 10,0 mm | 165 mm | 25 mm |
| 2122400 | ABC-8 BC Nozzle with fine thread | 12,0 mm | 165 mm | 25 mm |
| 2122600 | ABC-9 BC Nozzle with fine thread | 14,0 mm | 220 mm | 25 mm |
| 2307000 | ABCX-3 BC Nozzle with fine thread | 5,0 mm | 140 mm | 32 mm |
| 2307100 | ABCX-4 BC Nozzle with fine thread | 6,0 mm | 140 mm | 32 mm |
| 2307200 | ABCX-5 BC Nozzle with fine thread | 8,0 mm | 140 mm | 32 mm |
| 2307300 | ABCX-5 BC Nozzle with fine thread | 8,0 mm | 165 mm | 32 mm |
| 2307400 | ABCX-6 BC Nozzle with fine thread | 10,0 mm | 165 mm | 32 mm |
| 2307500 | ABCX-8 BC Nozzle with fine thread | 12,0 mm | 165 mm | 32 mm |
| 2307700 | ABCX-9 BC Nozzle with fine thread | 14,0 mm | 220 mm | 32 mm |
| 2120600 | ABC-3/50 BC Nozzle with large 50 mm thread | 5,0 mm | 140 mm | 25 mm |
| 2120700 | ABC-4/50 BC Nozzle with large 50 mm thread | 6,0 mm | 140 mm | 25 mm |
| 2120800 | ABC-5/50 BC Nozzle with large 50 mm thread | 8,0 mm | 140 mm | 25 mm |
| 2120900 | ABC-5/50 BC Nozzle with large 50 mm thread | 8,0 mm | 165 mm | 25 mm |
| 2121000 | ABC-6/50 BC Nozzle with large 50 mm thread | 10,0 mm | 165 mm | 25 mm |
| 2121100 | ABC-8/50 BC Nozzle with large 50 mm thread | 12,0 mm | 165 mm | 25 mm |
| 2121300 | ABC-9/50 BC Nozzle with large 50 mm thread | 14,0 mm | 220 mm | 25 mm |
| 2307800 | ABCX – 3/50 BC Nozzle with large 50 mm thread | 5,0 mm | 140 mm | 32 mm |
| 2307900 | ABCX – 4/50 BC Nozzle with large 50 mm thread | 6,0 mm | 140 mm | 32 mm |
| 2308000 | ABCX – 5/50 BC Nozzle with large 50 mm thread | 8,0 mm | 140 mm | 32 mm |
| 2308100 | ABCX – 5/50 BC Nozzle with large 50 mm thread | 8,0 mm | 165 mm | 32 mm |
| 2308200 | ABCX - 6/50 BC Nozzle with large 50 mm thread | 10,0 mm | 165 mm | 32 mm |
| 2308201 | ABCX - 7/50 BC Nozzle with large 50 mm thread | 11,0 mm | 165 mm | 32 mm |
| 2308300 | ABCX - 8/50 BC Nozzle with large 50 mm thread | 12,0 mm | 165 mm | 32 mm |
| 2308400 | ABCX - 8/50 BC Nozzle with large 50 mm thread | 12,0 mm | 220 mm | 32 mm |

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.

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ABCXL Boron Carbide XL Blasting Nozzles

The ABCXL range comprises of boron carbide lined extra long venturi nozzles with aluminium jacket. These high performance nozzles accelerate particles over a longer distance, achieving higher exit velocities, producing a more concentrated blast pattern and higher production rates. These nozzles are especially suitable to clean the bigger products

Boron Carbide is the most durable liner available – therefore these nozzles perform especially well with aggressive abrasives such as aluminum oxide, silicon carbide and steel grit, and are therefore often used in blast rooms.

The ABCXL is available with $1\%\ensuremath{^{\prime\prime}}$ (32 mm) inlet and has a standard 50 mm large thread.



ORDERING INFORMATION

ABCXL - Boron Carbide extra long (XL) venturi nozzle with aluminium jacket

| Part no. | Description | Orifice | Lenght | Inlet |
|----------|--|---------|--------|-------|
| 2304100 | ABCXL-4/50 Boron Carbide XL Venturi Nozzle | 6,4 mm | 305 mm | 32 mm |
| 2304200 | ABCXL-5/50 Boron Carbide XL Venturi Nozzle | 8,0 mm | 305 mm | 32 mm |
| 2304300 | ABCXL-6/50 Boron Carbide XL Venturi Nozzle | 9,5 mm | 305 mm | 32 mm |
| 2304400 | ABCXL-7/50 Boron Carbide XL Venturi Nozzle | 11,1 mm | 305 mm | 32 mm |
| 2304500 | ABCXL-8/50 Boron Carbide XL Venturi Nozzle | 12,7 mm | 305 mm | 32 mm |
| 2304600 | ABCXL-9/50 Boron Carbide XL Venturi Nozzle | 15,1 mm | 305 mm | 32 mm |



ABCS Boron Carbide Stick-up Blasting Nozzles

The ABCS range comprises of Boron Carbide lined "stick-up" nozzles with Aluminium Jackets. "Stick-up" nozzles fit directly into the blast hose without using a nozzle holder – this allows for increased maneuverability in restricted areas such as behind re-enforcement beams. Boron Carbide is the most durable liner available – therefore these nozzles perform especially well with aggressive abrasives such as aluminum oxide, silicon carbide and steel grit, and are therefore often used in blast rooms.

The ABCS series is available for use with 25 mm and 32 mm blast hose.

Airblast high velocity venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.



| ORDERIN | ORDERING INFORMATION | | | | |
|----------|------------------------------|---------|--------|-------------|--|
| Part no. | Description | Orifice | Lenght | For Hose ID | |
| 2119000 | ABCS-3/25 BC Stick-up Nozzle | 5.0 mm | 100 mm | 25 mm | |
| 2119100 | ABCS-4/25 BC Stick-up Nozzle | 6,0 mm | 100 mm | 25 mm | |
| 2119200 | ABCS-5/25 BC Stick-up Nozzle | 8,0 mm | 100 mm | 25 mm | |
| 2119300 | ABCS-6/25 BC Stick-up Nozzle | 10,0 mm | 100 mm | 25 mm | |
| 2119400 | ABCS-4/32 BC Stick-up Nozzle | 6,0 mm | 110 mm | 32 mm | |
| 2119500 | ABCS-5/32 BC Stick-up Nozzle | 8,0 mm | 110 mm | 32 mm | |
| 2119600 | ABCS-6/32 BC Stick-up Nozzle | 10,0 mm | 110 mm | 32 mm | |
| 2119601 | ABCS-7/32 BC Stick-up Nozzle | 11,0 mm | 110 mm | 32 mm | |
| 2119700 | ABCS-8/32 BC Stick-up Nozzle | 12.0 mm | 110 mm | 32 mm | |
| 2119800 | ABCS-9/32 BC Stick-up Nozzle | 14,0 mm | 110 mm | 32 mm | |

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.

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ASB Tungsten Carbide Spinnerblast Nozzles

Airblast high velocity venturi style nozzles have been designed specifically to give maximum blast cleaning rates, uniform abrasive distribution and efficiency over an extensive operating life. Through the venturi principle the air and abrasive mixture is accelerated as it exits the nozzle. Venturi nozzles increase productivity and reduce abrasive consumption with approximately 40% as compared to straight bore nozzles. Airblast offers a full selection of nozzles with different orifice diameters, sizes, and insert / jacket materials.

The orifice size of the blasting nozzle determines the cleaning rate, abrasive consumption and air consumption. When choosing a nozzle you should consider the cleaning rate required, available compressed air, size of the blast pot and the internal diameter of the piping, the blast hose and the air hose. In most blasting operations a number 5 (with 8 mm orifice) or number 6 (with 9,5 mm orifice) nozzle is used. Have a look at the consumption chart on the back of this datasheet for the compatible combinations.



| ORDERING INFORMATION | | | | |
|----------------------|-------------------------------|---------|--------|-------|
| Part no. | Description | Orifice | Lenght | Inlet |
| 2107000 | ASB-13 TC Spinnerblast Nozzle | 6.5 mm | 55 mm | 13 mm |
| 2108000 | ASB-14 TC Spinnerblast Nozzle | 8,0 mm | 55 mm | 13 mm |
| 2109000 | ASB-15 TC Spinnerblast Nozzle | 8.0 mm | 85 mm | 13 mm |
| 2110000 | ASB-16 TC Spinnerblast Nozzle | 9.5 mm | 65 mm | 13 mm |
| 2111000 | ASB-17 TC Spinnerblast Nozzle | 9.5 mm | 108 mm | 13 mm |

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.



WIN Water Injection Blasting Nozzles

Airblast high velocity venturi style nozzles have been designed specifically to give maximum blast cleaning rates, uniform abrasive distribution and efficiency over an extensive operating life. Through the venturi principle the air and abrasive mixture is accelerated as it exits the nozzle. Venturi nozzles increase productivity and reduce abrasive consumption with approximately 40% as compared to straight bore nozzles. Airblast offers a full selection of nozzles with different orifice diameters, sizes, and insert / jacket materials.

WIN Nozzle

The WIN (Water Injection Nozzle) system is a simple, cost effective solution for high production, wet abrasive blasting that can be used with your existing pressure blast equipment. The system can be used with water from a tap or with rust inhibitors supplied through any simple pump. No special equipment is required. The WIN system offers the highest performance possible in wet abrasive blasting technology.



| ORDERING INFORMATION | | | | |
|----------------------|---|---------|--------|-------|
| Part no. | Description | Orifice | Lenght | Inlet |
| 2460000 | WIN-4/50 Water Injection Nozzle with large 50 mm thread | 6,4 mm | 149 mm | 25 mm |
| 2461000 | WIN-5/50 Water Injection Nozzle with large 50 mm thread | 7,9 mm | 158 mm | 25 mm |
| 2462000 | WIN-6/50 Water Injection Nozzle with large 50 mm thread | 9,5 mm | 171 mm | 25 mm |
| 2463000 | WIN-8/50 Water Injection Nozzle with large 50 mm thread | 12 mm | 227 mm | 25 mm |

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.

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Nozzle Orifice Gauge

The Airblast Nozzle Orifice Gauge is designed to measure the orifice size of an abrasive blasting nozzle. Proper use of this gauge can determine nozzle orifice wear that causes low nozzle pressure and decreased efficiency in the performance of the nozzle's venturi. This wear results in decreased productivity, increased abrasive consumption and improper surface profile.

A Nozzle Orifice Gauge is the best way to determine if your nozzle is still within operational limits. Always replace nozzles when they reach 1/16" wider than their original specifications as they will consume far more air and performance will be degraded. Our nozzle orifice gauge reads in mm one one side and inches on the other, showing orresponding air consumption @ 7 bar (100 PSI), and contains a marking pencil in the handle.



| ORDERING | G INFORMATION |
|----------|--------------------------------|
| Part no. | Description |
| 2000100 | Nozzle Orifice Gauge 5 - 16 mm |

See page 242 and 243 for technical info such as nozzle pressure, service life, air requirement/volume, etc.



AAM Angle Blasting Nozzles

The AAM range comprises of Tungsten Carbide lined angle nozzles with Aluminium Jackets. These compact nozzles blast at a 45 degree angle making them suitable for use in inaccessible or blind areas such as the reverse side of beams, flanges, bridge lattice work and inside of pipes. Tungsten Carbide is the liner material of choice for the majority of contractors due to long life and impact resistance - the Aluminium Jacket (adds to the rugged character of the nozzle).

The AAM nozzles are available with either one, two or three abrasive discharge orifices and an orifice range of 3,2 mm to 9,5 mm. The AAM nozzles come with either a fine (AAM) or large (AAM /50) thread.

Airblast high velocity venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.



| Part no. | Description | Orifice | Lenght | Inlet |
|----------|--|------------|--------|-------|
| 2055000 | AAM-2x1 TC Nozzle with fine 41 mm thread | 1 x 3,2 mm | 80 mm | 20 mm |
| 2056000 | AAM-2x2 TC Nozzle with fine 41 mm thread | 2 x 3,2 mm | 80 mm | 20 mm |
| 2057000 | AAM-2x3 TC Nozzle with fine 41 mm thread | 3 x 3,2 mm | 80 mm | 20 mm |
| 2058000 | AAM-3x1 TC Nozzle with fine 41 mm thread | 1 x 4,8 mm | 80 mm | 20 mm |
| 2059000 | AAM-3x2 TC Nozzle with fine 41 mm thread | 2 x 4,8 mm | 80 mm | 20 mm |
| 2060000 | AAM-3x3 TC Nozzle with fine 41 mm thread | 3 x 4,8 mm | 80 mm | 20 mm |
| 2061000 | AAM-4x1 TC Nozzle with fine 41 mm thread | 1 x 6,5 mm | 80 mm | 20 mm |
| 2062000 | AAM-4x2 TC Nozzle with fine 41 mm thread | 2 x 6,5 mm | 80 mm | 20 mm |
| 2063000 | AAM-4x3 TC Nozzle with fine 41 mm thread | 3 x 6,5 mm | 80 mm | 20 mm |
| 2064000 | AAM-5x1 TC Nozzle with fine 41 mm thread | 1 x 8,0 mm | 80 mm | 20 mm |
| 2065000 | AAM-5x2 TC Nozzle with fine 41 mm thread | 2 x 8,0 mm | 80 mm | 20 mm |
| 2066000 | AAM-5x3 TC Nozzle with fine 41 mm thread | 3 x 8,0 mm | 80 mm | 20 mm |
| 2067000 | AAM-6x1 TC Nozzle with fine 41 mm thread | 1 x 9,5 mm | 80 mm | 20 mm |
| 2068000 | AAM-6x2 TC Nozzle with fine 41 mm thread | 2 x 9,5 mm | 80 mm | 20 mm |
| 2069000 | AAM-6x3 TC Nozzle with fine 41 mm thread | 3 x 9,5 mm | 80 mm | 20 mm |
| 2070000 | AAM-2x1/50 TC Nozzle with large 50 mm thread | 1 x 3,2 mm | 80 mm | 20 mm |
| 2071000 | AAM-2x2/50 TC Nozzle with large 50 mm thread | 2 x 3,2 mm | 80 mm | 20 mm |
| 2072000 | AAM-2x3/50 TC Nozzle with large 50 mm thread | 3 x 3,2 mm | 80 mm | 20 mm |
| 2073000 | AAM-3x1/50 TC Nozzle with large 50 mm thread | 1 x 4,8 mm | 80 mm | 20 mm |
| 2074000 | AAM-3x2/50 TC Nozzle with large 50 mm thread | 2 x 4,8 mm | 80 mm | 20 mm |
| 2075000 | AAM-3x3/50 TC Nozzle with large 50 mm thread | 3 x 4,8 mm | 80 mm | 20 mm |
| 2076000 | AAM-4x1/50 TC Nozzle with large 50 mm thread | 1 x 6,5 mm | 80 mm | 20 mm |
| 2077000 | AAM-4x2/50 TC Nozzle with large 50 mm thread | 2 x 6,5 mm | 80 mm | 20 mm |
| 2078000 | AAM-4x3/50 TC Nozzle with large 50 mm thread | 3 x 6,5 mm | 80 mm | 20 mm |
| 2079000 | AAM-5x1/50 TC Nozzle with large 50 mm thread | 1 x 8,0 mm | 80 mm | 20 mm |
| 2080000 | AAM-5x2/50 TC Nozzle with large 50 mm thread | 2 x 8,0 mm | 80 mm | 20 mm |
| 2081000 | AAM-5x3/50 TC Nozzle with large 50 mm thread | 3 x 8,0 mm | 80 mm | 20 mm |
| 2082000 | AAM-6x1/50 TC Nozzle with large 50 mm thread | 1 x 9,5 mm | 80 mm | 20 mm |
| 2083000 | AAM-6x2/50 TC Nozzle with large 50 mm thread | 2 x 9,5 mm | 80 mm | 20 mm |
| 2084000 | AAM-6x3/50 TC Nozzle with large 50 mm thread | 3 x 9,5 mm | 80 mm | 20 mm |

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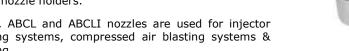
ABCM / ABCL / ABCLI / ANH Nozzles & Holders

Boron Carbide Flange Type/Lead-in Nozzles

Boron carbide is the hardest material after diamond and cubic boron nitride. Nozzles from boron carbide ensure the lowest wear by this superior hardness, also by use of hardest blasting materials like corundum or silicum carbide.

Airblast ABCM and ABCL flange type boron carbide straight and venturi nozzles with aluminum jacket for use in combination with ABCLI lead-in nozzles and ANH/ ASNH nozzle holders.

ABCM, ABCL and ABCLI nozzles are used for injector blasting systems, compressed air blasting systems & blasting.



ORDERING INFORMATION

ABCM - Flange type boron carbide straight nozzle with aluminum jacket for use in combination with ABCLI lead-in nozzles and ANH/ASNH nozzle holders

| Part no. | Description | Orifice (mm) | Lenght (mm) |
|----------|-------------|--------------|-------------|
| 2127200 | ABCM - 4 | 4,0 | 55 |
| 2127300 | ABCM - 5 | 5,0 | 55 |
| 2127400 | ABCM - 6 | 6,0 | 55 |
| 2127500 | ABCM - 7 | 7,0 | 86 |
| 2127600 | ABCM - 8 | 8,0 | 86 |
| 2127700 | ABCM - 9 | 9,0 | 86 |
| 2127800 | ABCM - 10 | 10,0 | 86 |
| 2127900 | ABCM - 11 | 11,0 | 86 |
| 2128000 | ABCM - 12 | 12,0 | 86 |
| 2128100 | ABCM - 13 | 13,0 | 86 |
| 2128200 | ABCM - 14 | 14,0 | 86 |

ABCM - Lead-in nozzles for use in combination with ABCM and ABCLI nozzles and AHN nozzle holder

| and ABCLI | and ABCLI nozzies and AHN nozzie nolder | | | | |
|-----------|---|--------------|-------------|--|--|
| Part no. | Description | Orifice (mm) | Lenght (mm) | | |
| 2129200 | ABCLI - 6 | 6,0 | 40 | | |
| 2129300 | ABCLI - 7 | 7,0 | 40 | | |
| 2129400 | ABCLI - 8 | 8,0 | 40 | | |
| 2129500 | ABCLI - 9 | 9,0 | 40 | | |
| 2129600 | ABCLI - 10 | 10,0 | 40 | | |
| 2129700 | ABCLI - 11 | 11,0 | 40 | | |
| 2129800 | ABCLI - 12 | 12,0 | 40 | | |
| 2129900 | ABCLI - 13 | 13,0 | 40 | | |
| 2130000 | ABCLI - 14 | 14,0 | 40 | | |







ABCL - Long lenght flange type boron carbide venturi nozzle with aluminum jacket for use in combination with ABCLI lead-in nozzles and ANH/ASNH nozzle holders

| <u> </u> | | | |
|----------|-------------|--------------|-------------|
| Part no. | Description | Orifice (mm) | Lenght (mm) |
| 2123400 | ABCL - 6 | 6,0 | 100 |
| 2123500 | ABCL - 7 | 7,0 | 100 |
| 2128400 | ABCL - 8 | 8,0 | 100 |
| 2128500 | ABCL - 9 | 9,0 | 100 |
| 2128600 | ABCL - 10 | 10,0 | 100 |
| 2128700 | ABCL - 11 | 11,0 | 100 |
| 2128800 | ABCL - 12 | 12,0 | 100 |
| 2128900 | ABCL - 13 | 13,0 | 100 |
| 2129000 | ABCL - 14 | 14,0 | 100 |
| 2129100 | ABCL - 15 | 15,0 | 100 |

ANH/ASNH - Aluminum nozzle holders with plastic tightening nut for use in combination with ABCM flange type nozzles and ABCLI lead-in nozzles.

| Part no. | Description | |
|----------|-----------------------------|--|
| 2137100 | ANH - 39 for 39 mm hose OD | |
| 2138100 | ANH - 48 for 48 mm hose OD | |
| | | |
| 2137200 | ASNH - 25 for 25 mm hose ID | |
| 2138200 | ASNH - 32 for 32 mm hose ID | |



ABCFT/ABCA/ABCC/ABCR Nozzles

ORDERING INFORMATION

ABCFT - Flange type boron carbide fishtail nozzle for use in combination with ABCLI lead-in nozzles and ANH/ASNH nozzle holders

| Part no. | Description | Orifice (mm) | Lenght (mm) |
|----------|--------------|-----------------|----------------|
| 2130200 | ABCFT - 10/4 | 10 x 4 | 72 |
| 2130300 | ABCFT - 15/5 | 15 x 5 | 72 |
| 2130400 | ABCFT - 16/8 | 16 x 8 | 82 |

ABCA - Flange type boron carbide angle nozzle for use in combination with ABCLI lead-in nozzles and ANH/ASNH nozzle holders

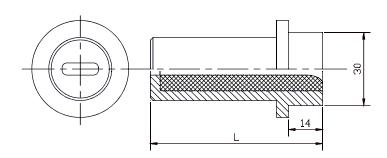
| Part no. | Description | Orifice (mm) | Lenght (mm) | Angle (°) |
|----------|--------------|--------------|----------------|--------------|
| 2130700 | ABCA - 20/8 | 8 | 100 | 20 |
| 2130800 | ABCA - 20/10 | 10 | 100 | 20 |
| 2130900 | ABCA - 20/12 | 12 | 100 | 20 |
| 2131000 | ABCA - 25/8 | 8 | 100 | 25 |
| 2131100 | ABCA - 25/10 | 10 | 100 | 25 |
| 2131200 | ABCA - 25/12 | 12 | 100 | 25 |
| 2131300 | ABCA - 30/8 | 8 | 105 | 30 |
| 2131400 | ABCA - 30/10 | 10 | 105 | 30 |
| 2131500 | ABCA - 30/12 | 12 | 105 | 30 |
| 2131600 | ABCA - 40/8 | 8 | 115 | 40 |
| 2131700 | ABCA - 40/10 | 10 | 115 | 40 |
| 2131800 | ABCA - 40/12 | 12 | 115 | 40 |

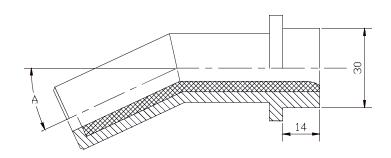


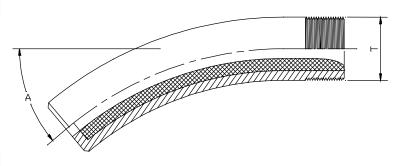
| Part no. | Description | Orifice (mm) | Lenght (mm) | Angle (°) |
|----------|--------------|--------------|----------------|--------------|
| 2131900 | ABCC - 40/6 | 6,0 | 125 | 40 |
| 2132100 | ABCC - 40/8 | 8,0 | 125 | 40 |
| 2132200 | ABCC - 40/10 | 10,0 | 125 | 40 |

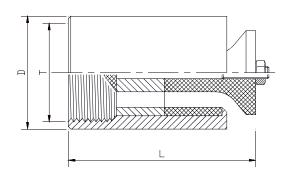
ABCR - Boron carbide blast head 360° with metal jacket and replaceable deflection piece

| Part no. | Descrip- tion | Thread (T") | Diameter (mm) | Lenght (mm) |
|----------|------------------------------|----------------|------------------|----------------|
| 2309000 | ABCR - 38 | 3/8 | 22 | 61 |
| 2309100 | ABCR - 24 | 1/2 | 23 | 61 |
| 2309200 | ABCR - 34 | 3/4 | 30 | 73 |
| 2309300 | ABCR - 44 | 1 1/4 | 38 | 73 |
| 2309400 | ABCR - 54 | - 54 | | 78 |
| 2309500 | ABCA - 64 1 1/2 53 78 | | 78 | |
| 2309600 | Deflection piece for ABCR-38 | | | |
| 2309700 | Deflection piece for ABCR-24 | | | |
| 2309800 | Deflection piece for ABCR-34 | | | |
| 2309900 | Deflection piece for ABCR-44 | | | |
| 2310000 | Deflection piece for ABCR-54 | | | |









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NNH/CHE Nozzle Holders Nylon & Aluminium

The Airblast nozzle holders are available in nylon and aluminium.

All nozzle holders are manufactured to fit externally over the blast hose. Internal grip rings bite into the blast hose for a safe and secure fit and retaining screws provide additional holding power without penetrating the inner hose layer.

Airblast offers a full selection of nozzle holders with fine or large thread. Contact Airblast to discuss which holder is most suitable for your specific application.



| ORDERIN | IG INFORMATION | |
|----------|--|--|
| Part no. | Description | |
| | NYLON WITH FINE 41MM THREAD | |
| 2123100 | NNH-0 Fits to 27 mm O.D 13 mm I.D. hose (1/2") - 3/4" thread | |
| 2123600 | NNH-¾ Fits to 33 mm O.D 19 mm I.D. hose (¾") | |
| 2124100 | NNH-1 Fits to 39 mm O.D 25 mm I.D. hose (1") | |
| 2125100 | NNH-2 Fits to 48 mm O.D 32 mm I.D. hose (11/4") | |
| 2126100 | NNH-3 Fits to 56 mm O.D 38 mm I.D. hose (11/2") | |
| | NYLON WITH LARGE 50MM THREAD | |
| 2123000 | NNH-0/50 Fits to 27 mm O.D 13 mm I.D. hose (1/2") - 3/4" thread | |
| 2123500 | NNH-¾/50 Fits to 33 mm O.D 19 mm I.D. hose (¾") | |
| 2124000 | NNH-1/50 Fits to 39 mm O.D 25 mm I.D. hose (1") | |
| 2125000 | NNH-2/50 Fits to 48 mm O.D 32 mm I.D. hose (1¼") | |
| 2126000 | NNH-3/50 Fits to 56 mm O.D 38 mm I.D. hose (1½") | |
| | ALUMINIUM WITH FINE 41MM THREAD | |
| 2133100 | CHE-0 Fits to 27 mm O.D 13 mm I.D. hose (1/2") - 3/4" thread incl. adaptor | |
| 2133200 | CHE-¾ Fits to 33 mm O.D 19 mm I.D. hose (¾") | |
| 2134000 | CHE-1 Fits to 39 mm O.D 25 mm I.D. hose (1") | |
| 2135000 | CHE-2 Fits to 48 mm O.D 32 mm I.D. hose (11/4") | |
| | ALUMINIUM WITH LARGE 50MM THREAD | |
| 2137000 | CHE-1/50 Fits to 39 mm O.D 25 mm I.D. hose (1") | |
| 2138000 | CHE-2/50 Fits to 48 mm O.D 32 mm I.D. hose (11/4") | |

| Nozzle wa | Nozzle washers and screws | | |
|-----------|--|--|--|
| Part no. | Description | | |
| 2140000 | AW-0 For nozzles with ½" inlet, ¾" thread nozzle holders | | |
| 2141000 | AW-25 For nozzles with 1" inlet, 1¼" fine thread nozzle holders | | |
| 2141100 | AW-25/N For nozzles with 1" inlet, 2" large thread nylon nozzle holders | | |
| 2142000 | AW-32 For nozzles with 1¼" inlet, 2" large thread aluminium nozzle holders | | |
| 2142100 | AW-32/N For nozzles with 1¼" inlet, 2" large thread nylon nozzle holders | | |
| | | | |
| 2166000 | KS-0 Screw for 1/2" ID hoses | | |
| 2167000 | KS Screw for hoses larger than ½" ID | | |



Cast Iron Air Hose Couplings and Clamps

The Airblast range of cast iron air hose couplings and clamps gives you the optimum combination of durability, cost and safety. Description SKG Bajonet Coupling, KAG Male Coupling and KIG Female Coupling:

- Double locking
- Distance between lugs 42 mm
- Oil-resistant rubber gasketWorking pressure 10 bar 142 psi

| ORDERING INFORMATION | | | | |
|----------------------|--------------------------------------|-----------------|--------|--|
| Part no. | SKG Cast Iron Hose Coupling with | Fits to hose ID | | |
| | hose barb - DIN 3483/3489 | mm | inches | |
| 2168000 | SKG-6 Quick coupling with hose barb | 6 | 1/4" | |
| 2168100 | SKG-10 Quick coupling with hose barb | 10 | 3/8" | |
| 2168200 | SKG-13 Quick coupling with hose barb | 13 | 1/2" | |
| 2168300 | SKG-15 Quick coupling with hose barb | 15 | 5/8″ | |
| 2168400 | SKG-19 Quick coupling with hose barb | 19 | 3/4" | |
| 2168500 | SKG-25 Quick coupling with hose barb | 25 | 1" | |
| 2168600 | SKG-32 Quick coupling with hose barb | 32 | 11/4" | |



| Part no. | KIG Cast Iron Hose Coupling with inside thread - DIN 3481/3489 |
|----------|--|
| 2169000 | KIG-14 Quick coupling with 1/4" inside thread |
| 2169100 | KIG-38 Quick coupling with 3/8" inside thread |
| 2169200 | KIG-12 Quick coupling with 1/2" inside thread |
| 2169300 | KIG-34 Quick coupling with ¾" inside thread |
| 2169400 | KIG-10 Quick coupling with 1" inside thread |
| 2169600 | KIG-54 Quick coupling with 1¼" inside thread |



| Part no. | KAG Cast Iron Hose Coupling with outside thread - DIN 3481/3489 |
|----------|---|
| 2170000 | KAG-14 Quick coupling with ¼" outside thread |
| 2170100 | KAG-38 Quick coupling with %" outside thread |
| 2170200 | KAG-12 Quick coupling with 1/2" outside thread |
| 2170300 | KAG-34 Quick coupling with 3/4" outside thread |
| 2170400 | KAG-10 Quick coupling with 1" outside thread |
| 2170500 | KAG-54 Quick coupling with 11/4" outside thread |



| | SL Cast Iron Hose Clamp | Fits to | Fits to hose | | |
|----------|-------------------------|--------------|--------------|--|--|
| Part no. | DIN 20039 A | OD | ID | | |
| 2171000 | SL-29 Hose clamp | 22 - 29 mm | 1/2" 1/4" | | |
| 2171100 | SL-34 Hose clamp | 28 - 34 mm | 3/4″ 3/8″ | | |
| 2171200 | SL-40 Hose clamp | 32 - 40 mm | 1" | | |
| 2171300 | SL-49 Hose clamp | 39 - 49 mm | 1¼″ | | |
| 2171400 | SL-60 Hose clamp | 48 - 60 mm | 11/2" | | |
| 2171500 | SL-76 Hose clamp | 60 - 76 mm | 2″ | | |
| 2171600 | SL-94 Hose clamp | 77 - 94 mm | 21/2" | | |
| 2171700 | SL-115 Hose clamp | 94 - 115 mm | 3 | | |
| 2171800 | SL-145 Hose clamp | 115 - 145 mm | 31/2" | | |



| Part no. | Description |
|----------|--|
| 2164000 | Rubber gasket for SKG, KIG and KAG couplings |



Nylon/Cast Iron Couplings

Nylon and Cast Iron Couplings for blast hose and machines

The Airblast range of cast iron and nylon blast hose and machine couplings gives you the optimum combination of durability, cost and safety.

Cast Iron Hose and Machine Couplings:

- Zinc-plated, modular
- Graphit cast iron
- Gasket in Perbunan

Nylon Hose and Machine Couplings:

The lightweight super-strong Airblast Nylon Hose and Machine Couplings are made out of the finest quality of nylon material which allows it in strength, durability and weight an advantage over brass. The universal quarter turn design makes it possible to couple different size hoses and couplings made of different material. Airblast Nylon Hose and Machine Couplings are manufactured within the narrowest of tolerances assuring a perfect match all the time.



ORDERING INFORMATION

Cast Iron Hose / Machine Couplings

| Part no. | Description | F | Fits to hose | | |
|----------|---|----|--------------|--------|--|
| | | OD | ID | | |
| | | mm | mm | inches | |
| 2147000 | CQT-1 Cast iron hose coupling | 39 | 25 | 1" | |
| 2148000 | CQT-2 Cast iron hose coupling | 48 | 32 | 1¼″ | |
| 2149000 | CQT-3 Cast iron hose coupling | 56 | 38 | 11/2" | |
| 2150000 | CQT-4 Cast iron hose coupling | 60 | 42 | 1¾" | |
| | | | | | |
| 2163000 | CFT Cast Iron machine coupling with 1¼" female thread | | | | |

| | Description | 1 | Fits to hose | | | |
|----------|---|----|--------------|--------|--|--|
| Part no. | | OD | ID | | | |
| | | mm | mm | inches | | |
| 2150900 | CQN-¾ Nylon hose coupling | 33 | 19 | 3/4" | | |
| 2151000 | CQN-1 Nylon hose coupling | 39 | 25 | 1" | | |
| 2152000 | CQN-2 Nylon hose coupling | 48 | 32 | 11/4" | | |
| 2153000 | CQN-3 Nylon hose coupling | 56 | 38 | 11/2" | | |
| 2154000 | CQN-4 Nylon hose coupling | 60 | 42 | 1¾″ | | |
| | | | | | | |
| 2163100 | CFN Nylon machine coupling with 1¼" female thread | | | | | |
| 2154100 | Safety spring for CQN couplings | | | | | |

| Gaskets | |
|----------|---|
| Part no. | Description |
| 2165000 | CQG Gasket for CQT and CFT couplings |
| 2165100 | CQG-1 Gasket for CQN-34 and 1 |
| 2165200 | CQG-2 Gasket for CQN-2, -3, -4 and CFN coupling |

| Screws | |
|----------|--------------------------------------|
| Part no. | Description |
| 2166000 | KS-0 Screw for 1/2" ID hoses |
| 2167000 | KS Screw for hoses larger than ½" ID |



Quick Connect Couplings (brass)

Brass - MS 58 DN 7,2 for air

The Airblast range of brass quick connect couplings gives you the optimum combination of durability, cost and safety.

Description Hose Coupling, Female Coupling, Male coupling:

- Single shut-off
- Euro standard
- Working pressure 35 bar 500 psi

Description Plug Nipples with Female Thread, Plug Nipples with Male Thread and Plug Nipples with Hose Stem for air

- Euro standard
- Working pressure 35 bar 500 psi

Airblast offers a full selection of air couplings as well as other couplings used in blast cleaning and paint spraying operation – contact Airblast to discuss which coupling is most suitable for your specific application.



ORDERING INFORMATION

| Quick Co | onnect Coupling with outside thread - brass |
|----------|--|
| Part no. | Description |
| 2174100 | CCC-14/O Quick coupling with 1/4" outside thread |
| 2174200 | CCC-38/O Quick coupling with 3/8" outside thread |
| 2174300 | CCC-12/O Quick coupling with 1/2" outside thread |

| Quick Co | nnect Coupling with inside thread - brass | | |
|----------|---|--|--|
| Part no. | Description | | |
| 2175100 | CCC-14/I Quick coupling with ¼" inside thread | | |
| 2175200 | CCC-38/I Quick coupling with 3%" inside thread | | |
| 2175300 | CCC-12/I Quick coupling with 1/2" inside thread | | |

| Quick Connect Coupling with hose barb - brass | | | | |
|---|---|--|--|--|
| Part no. Description | | | | |
| 2176000 CCC-14/F Quick coupling with hose barb (6 mm) | | | | |
| 2176100 | CCC-38/F Quick coupling with hose barb (9 mm) | | | |
| 2176200 CCC-12/F Quick coupling with hose barb (13 mm | | | | |

| Quick Connect Plug with outside thread - brass | | | |
|--|---|--|--|
| Part no. | Description | | |
| 2177000 | OF-18 Quick connect plug with 1/8" outside thread | | |
| 2177100 | OF-14 Quick connect plug with 1/4" outside thread | | |
| 2177200 | OF-38 Quick connect plug with %" outside thread | | |
| 2177300 | OF-12 Quick connect plug with 1/2" outside thread | | |

| Quick Connect Plug with inside thread - brass | | | |
|--|--|--|--|
| Part no. Description | | | |
| 2178000 | IF-18 Quick connect plug with 1/8" inside thread | | |
| 2178100 IF-14 Quick connect plug with ¼" inside thread | | | |
| 2178200 | IF-38 Quick connect plug with \%" inside thread | | |
| 2178300 IF-12 Quick connect plug with ½" inside thread | | | |

| Manifolds with Quick Connect Coupling - brass | | | |
|---|--|--|--|
| Part no. | Description | | |
| 2180000 | M-2 Manifold for 2 users (3/8" with inside thread) | | |
| 2180100 | M-3 Manifold for 3 users (3%" with inside thread) | | |

| Quick Connect Plug hose barb - brass | | | |
|--------------------------------------|--|--|--|
| Part no. Description | | | |
| 2179000 | F-14 Quick connect plug with hose barb (6 mm) | | |
| 2179100 | F-38 Quick connect plug with hose barb (9 mm) | | |
| 2179200 | F-12 Quick connect plug with hose barb (13 mm) | | |

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Camlock Couplings (aluminium)

Camlock couplings are well-known as quick hose coupling providing quick connection and disconnection for pumps, tanks, equipment and places where hoses should be changed frequently.

Aluminium cam lock couplings allow you to quickly connect and disconnect your hose in a variety of applications, including dry product transportation where hoses should be changed frequently.

Aluminium cam lock couplings can be used with PVC suction hoses, layflat discharge hoses and other low pressure hoses. It highly simplify the operation and cut down working time. However, cam locks are not suitable for any kind of hose. It is forbidden to be used in compressed air or gas or high pressure applications.

T6-heat-treatment, in order to increase the mechanical properties.



| ORDERING INFORMATION | | | | | | |
|---|-------|---------|----------|-------|---------|--|
| Female coupler with hose tail Male adapter hose tail | | | | I | | |
| Part no. | Size | Max. WP | Part no. | Size | Max. WP | |
| 2304000 | 2" | 16 bar | 2304027 | 2" | 16 bar | |
| 2304010 | 21/2" | 10 bar | 2304028 | 21/2" | 10 bar | |
| 2304011 | 3" | 8 bar | 2304029 | 3" | 8 bar | |
| 2304012 | 4" | 7 bar | 2304030 | 4" | 7 bar | |
| 2304013 | 5″ | 5 bar | 2304031 | 5″ | 5 bar | |
| 2304014 | 6" | 5 bar | 2304032 | 6" | 5 bar | |

| Female coupler male thread | | Male adapter male thread | | | |
|----------------------------|-------|--------------------------|---------|-------|--------|
| 2304015 2" 16 bar | | 16 bar | 2304033 | 2" | 16 bar |
| 2304016 | 21/2" | 10 bar | 2304034 | 21/2" | 10 bar |
| 2304017 | 3″ | 8 bar | 2304035 | 3″ | 8 bar |
| 2304018 | 4" | 7 bar | 2304036 | 4" | 7 bar |
| 2304019 | 5″ | 5 bar | 2304037 | 5″ | 5 bar |
| 2304020 | 6" | 5 bar | 2304038 | 6" | 5 bar |

| Female coupler female thread | | Male adapter female thread | | | |
|------------------------------|-------|----------------------------|---------|-------|--------|
| 2304021 | 2" | 16 bar | 2304039 | 2" | 16 bar |
| 2304022 | 21/2" | 10 bar | 2304040 | 21/2" | 10 bar |
| 2304023 | 3″ | 8 bar | 2304041 | 3″ | 8 bar |
| 2304024 | 4" | 7 bar | 2304042 | 4" | 7 bar |
| 2304025 | 5" | 5 bar | 2304043 | 5" | 5 bar |
| 2304026 | 6" | 5 bar | 2304044 | 6" | 5 bar |



Blast Hose

The Airblast Blast Hose range is comprised of the highest quality hose manufactured in the most popular diameters and available in two executions. All Airblast Blast Hoses features an antistatic outer case and a lightweight internal knitted nylon ply – this gives the optimum combination of durability, cost and safety.



Executions

Heavy execution: Most popular blast hose with excellent tube quality making it suitable for use with all abrasives. Extra heavy execution: Premium quality blast hose especially suitable for use with sharp edged hard abrasives.

Features

- Long service life due to wear resistant inner tube
- Antistatic construction prevents the build-up of static electricity

Specifications

Cover : SBR, black, antistatic, cloth impression

Reinforcement : Textile wrapped

Tube : NR/SBR/BR, black, smooth, antistatic, abrasion resistant

Working pressure : 12 bar Safety Factor : 3.5 : 1

Temperature range : -35°C. / +80°C.

Wear factor : Heavy Execution = 50 mm³, Extra Heavy Execution = 36 mm³ (according to DIN ISO 4649:2006)

Standards : Exceeds EN ISO 3861:2008.

ORDERING INFORMATION

Blast Hose - Heavy Execution

| biast nose - neavy execution | | | | | | | | |
|------------------------------|--------------------|----|--------|-------|------------|----------------|------------------|--|
| Part no. | Description | ID | | OD | Wall width | Weight approx. | Available | |
| Part no. | Description | mm | inches | in mm | in mm | kg./mtr. | lenghts in mtr. | |
| 2506000 | Blast Hose 13 x 7 | 13 | 1/2″ | 27 | 7 | 0,50 | 5 / 10 / 20 / 40 | |
| 2506100 | Blast Hose 19 x 7 | 19 | 3/4″ | 33 | 7 | 0,65 | 20 / 40 | |
| 2507000 | Blast Hose 25 x 7 | 25 | 1" | 39 | 7 | 0,75 | 20 / 40 | |
| 2508000 | Blast Hose 32 x 8 | 32 | 11/4" | 48 | 8 | 1,10 | 20 / 40 | |
| 2509000 | Blast Hose 38 x 9 | 38 | 11/2" | 56 | 9 | 1,45 | 40 | |
| 2510000 | Blast Hose 42 x 9 | 42 | 1¾″ | 60 | 9 | 1,65 | 40 | |
| 2511000 | Blast Hose 50 x 11 | 50 | 2" | 72 | 11 | 2,20 | 40 | |

Blast Hose - Extra Heavy Execution

| B | | ID | | OD | Wall width | Weight approx. | Available | |
|----------|-------------------|----|--------|-------|------------|----------------|------------------|--|
| Part no. | Description | mm | inches | in mm | in mm | kg./mtr. | lenghts in mtr. | |
| 2512000 | Blast Hose 13 x 7 | 13 | 1/2″ | 27 | 7 | 0,50 | 5 / 10 / 20 / 40 | |
| 2502100 | Blast Hose 19 x 7 | 19 | 3/4" | 33 | 7 | 0,65 | 20 / 40 | |
| 2513000 | Blast Hose 25 x 7 | 25 | 1" | 39 | 7 | 0,80 | 20 / 40 | |
| 2514000 | Blast Hose 32 x 8 | 32 | 1¼″ | 48 | 8 | 1,10 | 20 / 40 | |
| 2515000 | Blast Hose 38 x 9 | 38 | 11/2" | 56 | 9 | 1,50 | 40 | |

| Accessories | | | | | | |
|-------------|--|--|--|--|--|--|
| Part no. | Description | | | | | |
| 5033000 | PRG Nozzle pressure gauge kit. Hypodermic needle gauge incl. 5 needles | | | | | |
| 5033100 | PRG-N Needles for gauge (5 pcs.) | | | | | |
| 2517500 | Whip check hose safety cable for hoses ½" - 1¼" | | | | | |
| 2517501 | Whip check hose safety cable for hoses 1½" - 3" | | | | | |





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Polyurethane Suction / Discharge Hose

This range of hose can be used to move new abrasive or discharge spent abrasive. The hose is flexible and kink proof as well as abbrasion resistant. When bent the hose stays full bore as the PU material is forced to the outside, creating a ful flow without obstruction.

Airblast range of Suction and Discharge Hoses comprises of the highest quality hoses manufactured and gives you the optimum combination of durability, cost and safety.



Specifications

Norm : EU 10/2011 Cat. E Temperature range : -25° C / $+85^{\circ}$ C

Tube : Transparent Polyurethane smooth inside crushproof PVC spiral, corrugated cover

ORDERING INFORMATION

Polyurethane Suction/Discharge Hoses

| i oryan cananic bacalon, bischarge moses | | | | | | | | |
|--|---|--|--|---|--|--|--|--|
| Description | ID in mm | OD in mm | Vacuum bar | PU-wall in mm | Available lenghts in mtr. | | | |
| Suction/Discharge Hose 51 x 59 | 51 | 59 | 0,3 | 0,7 | 20 | | | |
| Suction/Discharge Hose 63 x 71 | 63 | 71 | 0,3 | 0,7 | 20 | | | |
| Suction/Discharge Hose 76 x 85 | 76 | 85 | 0,3 | 0,7 | 20 | | | |
| Suction/Discharge Hose 102 x 112 | 102 | 112 | 0,3 | 0,8 | 20 | | | |
| Suction/Discharge Hose 127 x 139 | 127 | 139 | 0,3 | 0,8 | 20 | | | |
| Suction/Discharge Hose 152 x 165 | 152 | 165 | 0,2 | 0,8 | 20 | | | |
| | Description Suction/Discharge Hose 51 x 59 Suction/Discharge Hose 63 x 71 Suction/Discharge Hose 76 x 85 Suction/Discharge Hose 102 x 112 Suction/Discharge Hose 127 x 139 | Description ID in mm Suction/Discharge Hose 51 x 59 51 Suction/Discharge Hose 63 x 71 63 Suction/Discharge Hose 76 x 85 76 Suction/Discharge Hose 102 x 112 102 Suction/Discharge Hose 127 x 139 127 | Description ID in mm OD in mm Suction/Discharge Hose 51 x 59 51 59 Suction/Discharge Hose 63 x 71 63 71 Suction/Discharge Hose 76 x 85 76 85 Suction/Discharge Hose 102 x 112 102 112 Suction/Discharge Hose 127 x 139 127 139 | Description ID in mm OD in mm Vacuum bar Suction/Discharge Hose 51 x 59 51 59 0,3 Suction/Discharge Hose 63 x 71 63 71 0,3 Suction/Discharge Hose 76 x 85 76 85 0,3 Suction/Discharge Hose 102 x 112 102 112 0,3 Suction/Discharge Hose 127 x 139 127 139 0,3 | Description ID in mm OD in mm Vacuum bar vacuum bar PU-wall in mm Suction/Discharge Hose 51 x 59 51 59 0,3 0,7 Suction/Discharge Hose 63 x 71 63 71 0,3 0,7 Suction/Discharge Hose 76 x 85 76 85 0,3 0,7 Suction/Discharge Hose 102 x 112 102 112 0,3 0,8 Suction/Discharge Hose 127 x 139 127 139 0,3 0,8 | | | |

Clamps

Super Hose Clamps

One bolt clamp, steel with finished side to protect hose. Zinc plated, chrome and passivated, steel bold and nut.



| Part no. | Range size | Band width imm | Band thickness mm | | | |
|----------|------------|----------------|-------------------|--|--|--|
| 2180020 | 64 / 67 | 22 | 1,2 | | | |
| 2180021 | 74 / 79 | 24 | 1,5 | | | |
| 2180022 | 86 / 91 | 24 | 1,5 | | | |
| 2180023 | 113 / 121 | 24 | 1,5 | | | |
| 2180024 | 140 / 148 | 26 | 1,7 | | | |
| 2180025 | 162 / 174 | 26 | 1,7 | | | |

Other clamps and sizes are available on request.



Rubber Suction & Discharge Hose

Airblast range of Suction and Discharge Hoses comprises of the highest quality hoses manufactured and gives you the optimum combination of durability, cost and safety.

Rubber Hose Suction hose for shotblast, pebbles, mud, sand etc. Also for suction/discharge of other abrasives. High abrasive resistant tube. Light and flexible construction.



Specifications:

Working pressure : 1 bar
Burst pressure : 2,5 bar
Vacuum : 0,9 bar

Temperature range : -25°C / +70°C

Wear resistance $\,$: 75 mm 3 according to DIN 53516

Tube : NR/SBR, smooth

Cover : SBR, black, corrugated, fabric finish Reinforcements : textile plies, static-wire steel spiral

Bending radius : 2.5 x inside diameter

ORDERING INFORMATION

Rubber Suction/Discharge Hoses

| Part no. | Description | ID in mm | OD in mm | Wall width in mm | Available lenghts in mtr. | | |
|----------|----------------------------------|-------------|-------------|------------------|------------------------------|--|--|
| 8069717 | Suction/Discharge Hose 51 x 60 | 51 | 60 | 4,5 | 20 | | |
| 8069708 | Suction/Discharge Hose 63 x 72 | 63 | 72 | 4,5 | 20 | | |
| 8069718 | Suction/Discharge Hose 76 x 85 | 76 | 85 | 4,5 | 20 | | |
| 8069709 | Suction/Discharge Hose 102 x 112 | 102 | 112 | 5 | 20 | | |
| 8069719 | Suction/Discharge Hose 127 x 137 | 127 | 137 | 5 | 20 | | |
| 8069710 | Suction/Discharge Hose 152 x 164 | 152 | 164 | 6 | 20 | | |

Couplings



Female coupling for hoseclamp assembly, System "Perrot".

Hot dip galvanized steel with handle. SBR seal. Handle with all sizes fixed except 8" will be seperated and interchangable.



Male coupling for hoseclamp assembly, System "Bauer".

Hot dip galvanized steel. With hose tail, ball and lever closure ring.

| | | = | | | | | |
|----------|-----------|---------------------|----------|-----------|---------------------|--|--|
| Part no. | Size | For hose inner Ø mm | Part no. | Size | For hose inner Ø mm | | |
| 2180001 | 50 / 50 | 51 | 2180010 | 50 / 50 | 51 | | |
| 2180002 | 89 / 75 | 76 | 2180011 | 89 / 75 | 76 | | |
| 2180003 | 108 / 100 | 102 | 2180012 | 108 / 100 | 102 | | |
| 2180004 | 133 / 125 | 125 | 2180013 | 133 / 125 | 125 | | |
| 2180005 | 159 / 150 | 152 | 2180014 | 159 / 150 | 152 | | |

For hose clamps see page 62.

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Rubber Suction & Discharge Hose - heavy duty

Airblast heavy duty Rubber Suction and Discharge Hoses comprises of the highest quality hoses manufactured and gives you the optimum combination of durability, cost and safety.

This ultra heavy duty hose can be used to move new abrasive or discharge spent abrasive.



Specifications:

Working pressure : 4 bar
Burst pressure : 12 bar
Vacuum : 0,8 bar
Temperature range : -30°C / +80°C

Tube : High abrasive PARA rubber, brown, smooth,

Cover : SBR/NR black smooth fabric finish
Reinforcements : textile plies, steel wire helix static wire

Bending radius : $2.5 \times 10^{-2} \times 10^{-2}$: $2.5 \times 10^{-2} \times 10^{-2}$

ORDERING INFORMATION

Rubber Suction/Discharge Hoses - heavy duty

| Part no. | Description | ID in mm | OD in mm | Wall width in mm | Available lenghts in mtr. | | |
|----------|--|-------------|-------------|------------------|------------------------------|--|--|
| 2518000 | Suction/Discharge Hose 51 x 64 - 2" | 51 | 64 | 6,5 | 40 | | |
| 2518100 | Suction/Discharge Hose 63 x 76 - 21/2" | 63 | 76 | 6,5 | 40 | | |
| 2518200 | Suction/Discharge Hose 76 x 91 - 3" | 76 | 91 | 7,5 | 40 | | |
| 2519000 | Suction/Discharge Hose 102 x 118 - 4" | 102 | 118 | 8 | 20 | | |
| 2519100 | Suction/Discharge Hose 125 x 141 - 5" | 125 | 141 | 8 | 20 | | |
| 2519200 | Suction/Discharge Hose 152 x 173 - 6" | 152 | 173 | 10,5 | 20 | | |

Couplings



Female coupling for hoseclamp assembly, System "Perrot".

Hot dip galvanized steel with handle. SBR seal. Handle with all sizes fixed except 8" will be seperated and interchangable.



Male coupling for hoseclamp assembly, System "Bauer".

Hot dip galvanized steel. With hose tail, ball and lever closure ring.

| | Ø mm | Part no. | Size | Ø mm |
|-----------|-----------------------------------|--|--|--|
| 50 / 50 | 51 | 2180010 | 50 / 50 | 51 |
| 89 / 75 | 76 | 2180011 | 89 / 75 | 76 |
| 108 / 100 | 102 | 2180012 | 108 / 100 | 102 |
| 133 / 125 | 125 | 2180013 | 133 / 125 | 125 |
| 159 / 150 | 152 | 2180014 | 159 / 150 | 152 |
| | 89 / 75 108 / 100 133 / 125 | 89 / 75 76 108 / 100 102 133 / 125 125 | 89 / 75 76 2180011 108 / 100 102 2180012 133 / 125 125 2180013 | 89 / 75 76 2180011 89 / 75 108 / 100 102 2180012 108 / 100 133 / 125 125 2180013 133 / 125 |



Air Pressure Hose

The Airblast Air Hose range comprises of the highest quality hoses manufactured and gives you the optimum combination of durability, cost and safety.

Specifications

Norm : DIN 20018

Working pressure : 10 bar Air / 16 bar water

Burst pressure : ¼" - 1": 54 bar, 1¼" - 2": 40 bar

Temperature range : $-30^{\circ}\text{C} / +50^{\circ}\text{C}$ Tube : SBR, black, smooth,

Cover : SBR, black fabric finish, UV-and ageing resistant



ORDERING INFORMATION

| Part no. | | : | ID | OD | Wall width | Available |
|----------|------------------|----|--------|-------|------------|-----------------|
| | Description | mm | inches | in mm | in mm | lenghts in mtr. |
| 2520000 | Air Hose 6 x 13 | 6 | 1/4" | 13 | 3,5 | 40 / 100 |
| 2521000 | Air Hose 10 x 19 | 10 | 3/8″ | 19 | 4,5 | 40 |
| 2521100 | Air Hose 13 x 23 | 13 | 1/2″ | 23 | 6 | 40 / 50 |
| 2522000 | Air Hose 19 x 31 | 19 | 3/4″ | 31 | 6 | 20 / 40 / 50 |
| 2523000 | Air Hose 25 x 39 | 25 | 1" | 39 | 7 | 40 |
| 2524000 | Air Hose 32 x 48 | 32 | 11/4" | 48 | 8 | 40 |
| 2525000 | Air Hose 38 x 50 | 38 | 11/2" | 50 | 6 | 40 |
| 2526000 | Air Hose 51 x 65 | 51 | 2″ | 66 | 7 | 40 |

For cast iron air hose couplings and clamps see page 57.

| Whip Check | (hose safety cable) |
|------------|---------------------------------|
| Part no. | Description |
| 2517500 | Whip check for hoses ½" - 1¼" |
| 2517501 | Whip check for hoses 11/2" - 3" |

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AIRBLAST

High Pressure Paint Spray Hose

A high pressure, high performance, airless paintspray hose specially designed to meet the exacting requirements of the industry. Steel braid reinforcing insures strength and guarantees electrical conductivity.

This hose offers optimum resistance to a wide range of fluids including paints, chlorinated solvents and other chemicals.

The hoses are fully compatible with Airblast's range of airless and air-assisted paintspray pumps and with most other common makes of paintspray equipment.

Airblast Paint Spray Hoses comprises of the highest quality hoses manufactured and gives you the optimum combination of durability, cost and safety.



Specifications

Core : Nylon (PA)

Pressure support $\,:\,$ 1 or 2 Braids of Brass Coated High Tensile Steel Wire

Cover : Polyurethane (PUR) Working temp. : -40° C to $+95^{\circ}$ C

Colour : Blue

| ODDEDIA | IC THEODMATION |
|-----------|---|
| Paintspra | IG INFORMATION |
| Part no. | Description |
| Part no. | Paintspray hose, 1-wire, ¼" ID coupled with: ¼" NPSM swivel female at both ends. Working Pressure: 400 bar. Burst Pressure: 1300 bar. |
| 7702000 | Paintspray hose ¼" x 10 mtrs. 1-wire |
| 7702500 | Paintspray hose 1/4" x 15 mtrs. 1-wire |
| 7703000 | Paintspray hose 1/4" x 20 mtrs. 1-wire |
| 7704000 | Paintspray hose 1/4" x 30 mtrs. 1-wire |
| | Paintspray hose, 2-wire, $\frac{1}{4}$ " ID coupled with: $\frac{1}{4}$ " NPSM swivel female at both ends. Working Pressure: 483 bar. Burst Pressure: 1930 bar. |
| 7707000 | Paintspray hose 1/4" x 10 mtrs. 2-wire |
| 7707500 | Paintspray hose ¼" x 15 mtrs. 2-wire |
| 7708000 | Paintspray hose ¼" x 20 mtrs. 2-wire |
| 7709000 | Paintspray hose 1/4" x 30 mtrs. 2-wire |
| | Paintspray hose, 1-wire, $3/8''$ ID coupled with: $3/8''$ NPSM swivel female at both ends. Working Pressure: 300 bar. Burst Pressure: 1000 bar. |
| 7712000 | Paintspray hose %" x 10 mtrs. 1-wire |
| 7712500 | Paintspray hose %" x 15 mtrs. 1-wire |
| 7713000 | Paintspray hose %" x 20 mtrs. 1-wire |
| 7714000 | Paintspray hose 36" x 30 mtrs. 1-wire |
| | Paintspray hose, 2-wire, $3/8''$ ID coupled with: $3/8''$ NPSM swivel female at both ends. Working Pressure: 450 bar. Burst Pressure: 1380 bar. |
| 7717000 | Paintspray hose %" x 10 mtrs. 2-wire |
| 7717500 | Paintspray hose %" x 15 mtrs. 2-wire |
| 7718000 | Paintspray hose ¾" x 20 mtrs. 2-wire |
| 7719000 | Paintspray hose 3/8" x 30mtrs. 2-wire |



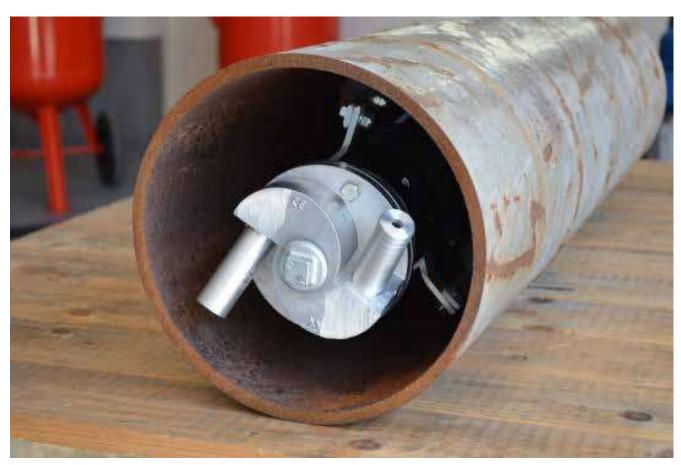
Notes

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Section 3 - Pipe Blasting & Coating

| Pipe Blasting & Coating | |
|---|------|
| Product | Page |
| Miniblast | 70 |
| Circleblast internal pipe blaster | 71 |
| Spinnerblast internal pipe blaster | 73 |
| Jumbo internal pipe blaster | 75 |
| Pipecoater-I internal pipe coater | 77 |
| Pipecoater-II internal pipe coater | 79 |
| Pipecoater-III/125 internal pipe coater (new model) | 81 |
| Pipecoater-III/125 internal pipe coater (old model) | 83 |
| Pipecoater-III/300 internal pipe coater | 84 |
| Pipecoater-III/900 internal pipe coater | 86 |
| Pipecoater-IV internal pipe coater | 88 |
| Semi-automatic winch system | 90 |





Mini Blast Internal Pipe Cleaner

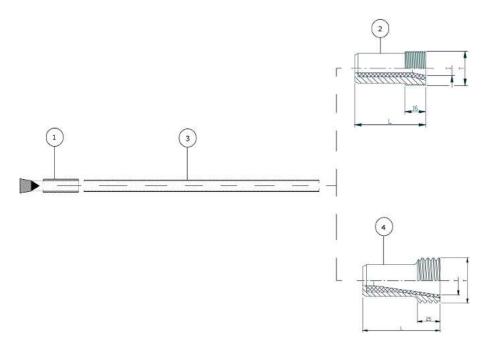
The Mini Blast Internal Pipe Cleaner is designed to blast clean pipe ranging in size from $\frac{1}{2}$ " to $\frac{1}{4}$ " (13 - 32 mm) I.D. The tool connects to an abrasive blast machine in place of a standard nozzle. In operation, the Mini Blast nozzle directs the air/abrasive mixture at a deflection tip. This tip causes the blast pattern to fan out into a wide, circular pattern, which cleans the inside of the pipe as the tool is passed through. Two adaptors are available to connect the tool to the nozzle holder.

The Mini Blast tool is made from the finest materials available. However, some of its internal wear parts are of necessity rather brittle, due to their extreme hardness. The tool should therefore be handled carefully to avoid dropping it or giving it a sharp blow.



| MB Mini B | last Internal Pipe Cleaner - Assemblies |
|-----------|---|
| Part no. | Description |
| 3000100 | MB-1 Mini Blast - 250 mm, incl. AMB-4 |
| 3000200 | MB-2 Mini Blast - 500 mm, incl. AMB-4 |
| 3000300 | MB-3 Mini Blast - 750 mm, incl. AMB-4 |
| 3000400 | MB-4 Mini Blast - 1000 mm, incl. AMB-4 |

| MB Mi | ni Blast Ir | nternal Pipe Cleaner - Parts List |
|-------|-------------|--|
| Item | Part no. | Description |
| 01 | 3000500 | Mini Blast Head TC Ø 13 mm |
| 02 | 3000600 | AMB-4 Adaptor M10 - fine 26 mm thread |
| 03 | 3000700 | EMB-250 Extension pipe 250 mm long |
| | 3000800 | EMB-500 Extension pipe 500 mm long |
| | 3000900 | EMB-750 Extension pipe 750 mm long |
| | 3001200 | EMB-1000 Extension pipe 1000 mm long |
| 04 | 3001100 | AMB-6 Adaptor M10 - large 50 mm thread |



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Circleblast Internal Pipe Blaster

The Circleblast Internal Pipe Blasters are designed to blast clean pipes ranging in size from $1\frac{1}{4}$ " to 12" (32 to 305 mm) I.D. The tool connects to an abrasive blast machine in place of a standard nozzle. In operation, the Circleblast nozzle directs the air/abrasive mixture at a deflection tip. This tip causes the blast pattern to fan out into a wide, circular pattern, which cleans the inside of the pipe as the tool is passed through. Two centering devices are available to hold the tool in position during passes in different diameter pipe.



Features and benefits

- Constant cleaning of internal surface
- Cleaning with the highest speed possible
- Saving on time and abrasives
- Adjustable setup for the best cleaning speed
- Easy handling and no down-time
- Blast in only one drive through
- Adjustable for all kind of abrasive
- Very rigged construction

| PIPEDIAMETER in (mm) | TOOL | TOOL RANGE in (mm) | CENTERING DEVICE | REQUIRED NOZZLE | AIR CON (cfm) | ISUMPTION (m³/min) |
|--------------------------|--------------|-----------------------------|---------------------|--------------------|------------------|-----------------------|
| 1¼" – 3" (32 – 76 mm) | CB-0 | 1 1/4" - 3" (32 - 76 mm) | - | - | 400 | 11.3 |
| 3" - 12" | CB-1 CB-2 | 3″- 5″ (76 - 127 mm) | CBC-1 | AHBN-8 AHBN-10 | 225 400 | 6.4 11.3 |
| (76 – 305 mm) | CB-1 CB-2 | 5″- 12″ (127 - 305 mm) | CBC-2 | AHBN-8 AHBN-10 | 225 400 | 6.4 11.3 |

CB Circleblast Assemblies Part no. Description 3002100 CB-0 Circleblast for direct mounting on blast hose with ½" I.D. (13x7mm) for pipes 1¼" to 3" (35-76mm) I.D. TC deflection tip 3002200 CB-1 Circleblast complete with:½" nozzle HBN-8, CBC-1 centering collars, CBC-2 adjustable centering carriage. 3002300 CB-2 Circleblast complete with: 5/8" nozzle HBN-10, CBC-1 centering collars, CBC-2 adjustable centering carriage.

| CB-0 I | Parts List | | |
|--------|------------|---------------------------------------|-----------------|
| Item | Part no. | Description | patro / / / / |
| 01 | 3002500 | Housing | |
| 02 | 3002600 | Bolt | |
| 0.2 | 3016000 | CB-110/1 Deflection tip TC | |
| 03 | 3016001 | CB-110/1 Deflection tip BC (optional) | (1) (2) (3) (4) |
| 04 | 3028000 | CB-122 Washer brass | |

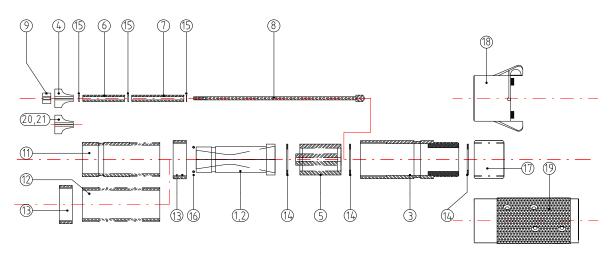


Circleblast Internal Pipe Blaster

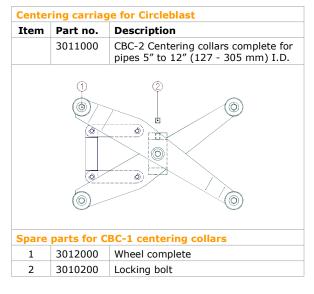
| CB-1 | and 2 Par | ts List | | |
|------|-----------|--------------------------------------|-----------|---|
| Item | Part no. | Description | | |
| 01 | 2112000 | AHBN-8 1/2" (13 mm) nozzle TC | | 1 |
| 02 | 2113000 | AHBN-10 5/8" (16 mm) nozzle TC | | 1 |
| 03 | 3015002 | CB-111 Tool holder | | 1 |
| 04 | 3016000 | CB-110/1 Deflection tip TC | \$ | 1 |
| 05 | 3018001 | CB-112/1 Stem support assembly TC | \$ | 1 |
| 06 | 3020002 | CB-113/1 Throat sleeve TC (50mm) | \$ | 1 |
| 07 | 3020003 | CB-113/1 Throat sleeve TC (65mm) | \$ | 1 |
| 08 | 3023002 | CB-115 Throat rod | \$ | 1 |
| 09 | 3024002 | CB-116 Tip holding nut | \$ | 1 |
| 11 | 3025002 | CB-117/1 Protection sleeve for CBC-1 | | 1 |
| 12 | 3025001 | CB-117/2 Protection sleeve for CBC-2 | | 1 |
| 13 | 3026002 | CB-118 Curled lock nut | | 2 |

| CB-1 | and 2 Par | ts List | | |
|--------|-------------|--|-----------|---|
| Item | Part no. | Description | | |
| 14 | 3027002 | CB-119 Stem support gasket | \$ | 2 |
| 15 | 3028000 | CB-122 Washer brass | \$ | 3 |
| 16 | 3029000 | CB-123 O-ring | \$ | 1 |
| 17 | 3029012 | Connection tube | | 1 |
| 18 | 2163000 | CFT cast iron quick coupling (optional) | | 1 |
| 19 | 2135000 | CHE-2 nozzle holder, aluminum (optional) | | 1 |
| 20 | 3016100 | CB-110/2 Deflection tip Boron Carbide (optional) | | 1 |
| 21 | 3016200 | CB-110/3 Deflection tip Roctec (optional) | | 1 |
| ΛII (Δ |) marked it | tome are included in Circleblact Spare Parts | Lit | |

All (\diamond)-marked items are included in Circleblast Spare Parts kit (part no. 3022002) in quantities shown.



| Item | Part no. | Description |
|---------------------------------|---|--|
| | 3003300 | CBC-1 Centering collars complete for pipes 3" to 5' (76 - 127 mm) I.D. Includes collars and four sixbutton sets |
| | 4 | 1 2 3 = 4,5,6,7,8 9(10 |
| | | |
| Spare | parts for C | BC-1 centering collars |
| Spare 1 | parts for C 3004000 | BC-1 centering collars Front collar, cad-plate |
| - | • | |
| 1 | 3004000 | Front collar, cad-plate |
| 1 2 | 3004000 3005000 | Front collar, cad-plate Rear collar, cad-plate |
| 1 2 3 | 3004000 3005000 3006000 | Front collar, cad-plate Rear collar, cad-plate Complete set of centering pins (5 x set) |
| 1 2 3 4 | 3004000 3005000 3006000 3006500 | Front collar, cad-plate Rear collar, cad-plate Complete set of centering pins (5 x set) Centering pin for 75mm ID pipe (1 pc.) |
| 1 2 3 4 5 | 3004000 3005000 3006000 3006500 3007000 | Front collar, cad-plate Rear collar, cad-plate Complete set of centering pins (5 x set) Centering pin for 75mm ID pipe (1 pc.) Centering pin for 83mm ID pipe (1 pc.) |
| 1 2 3 4 5 6 | 3004000 3005000 3006000 3006500 3007000 3008000 | Front collar, cad-plate Rear collar, cad-plate Complete set of centering pins (5 x set) Centering pin for 75mm ID pipe (1 pc.) Centering pin for 83mm ID pipe (1 pc.) Centering pin for 97mm ID pipe (1 pc.) |
| 1 2 3 4 5 6 7 | 3004000 3005000 3006000 3006500 3007000 3008000 3009000 | Front collar, cad-plate Rear collar, cad-plate Complete set of centering pins (5 x set) Centering pin for 75mm ID pipe (1 pc.) Centering pin for 83mm ID pipe (1 pc.) Centering pin for 97mm ID pipe (1 pc.) Centering pin for 107mm ID pipe (1 pc.) |



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Spinnerblast Internal Pipe Blaster

The Spinnerblast tool cleans the interior of pipes up to 12 meters long and ranging in size from 203 mm (8") to 915 mm (36") I.D. The tool connects to most abrasive blasting machines in place of a standard nozzle.

As the tool passes through the length of the pipe being cleaned, abrasive is ejected by two special nozzles mounted on a rotating head. Optimal rotating speed is controlled by the braking system. An adjustable centering carriage supports the tool through the pipe. The chart below shows the recommended centering legs, nozzle sizes and compressor capacities for different pipe diameters.

Features and benefits

- Constant cleaning of internal surface
- Cleaning with the highest speed possible
- Saving on time and abrasives
- Adjustable setup for the best cleaning speed
- Easy handling and no down-time
- Blast in only one drive through
- Adjustable for all kind of abrasive
- Very rigged construction



| PIPEDIAMETER in (mm) | TOOL | TOOL RANGE in (mm) | CENTERING DEVICE | REQUIRED NOZZLE | AIR CON (cfm) | ISUMPTION (m³/min) |
|----------------------|----------|----------------------------|---------------------------|--|-------------------|-----------------------|
| | SB-636-A | 8" - 10" (203 - 254 mm) | SPB-19 use 120 mm legs | 2 x ASB 13 2 x ASB-14 2 x ASB-16 | 200 300 450 | 5.7 8.5 12.8 |
| | SB-636-A | 10"- 15" (254 - 381 mm) | SPB-19 use 190 mm legs | 2 x ASB-15 | 300 | 8.5 |
| 8" - 36" | SB-636-A | 15"- 23" (381 - 584 mm) | SPB-19 use 290 mm legs | 2 x ASB-17 | 450 | 12.8 |
| | SB-636-A | 23″- 36″ (584 - 915 mm) | SPB-19 use 460 mm legs | 2 x ASB-17 | 450 | 12.8 |

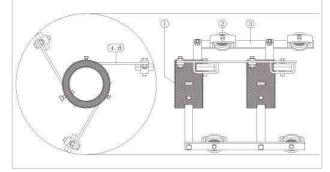
| ORDER | ORDERING INFORMATION | | |
|----------|--|--|--|
| Part no. | Description | | |
| 3030000 | SB-636-A Spinnerblast incl. SPB-19 caririage, excl. nozzles | | |
| 3032000 | SB-636-C Repair kit containing \diamond -marked items in quantities below. | | |

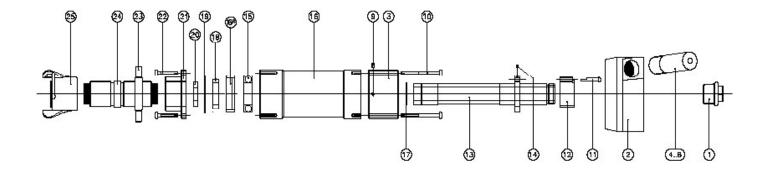


Spinnerblast Internal Pipe Blaster

| Item | Part no. | Description | | |
|------|----------|---|-----------|----|
| 01 | 3033000 | Pipe plug 1" (25 mm) | \$ | 4 |
| 02 | 3035000 | Rotating nozzle head | ♦ | 1 |
| 03 | 3036000 | Brake housing | | |
| 04 | 2107000 | Nozzle TC – 6.0 mm orifice, 49 mm long | | |
| 05 | 2108000 | Nozzle TC – 8.0 mm orifice, 49 mm long | | |
| 06 | 2109000 | Nozzle TC – 8.0 mm orifice, 80 mm long | | |
| 07 | 2110000 | Nozzle TC – 9.5 mm orifice, 49 mm long | | |
| 08 | 2111000 | Nozzle TC – 9.5 mm orifice, 103 mm long | | |
| 09 | 3037000 | Set screw M6 x 8 mm | | |
| 10 | 3038000 | Machine screw 65 mm | | |
| 11 | 3039000 | Locking pin | | |
| 12 | 3040000 | Brake with lining | ♦ | 1 |
| 13 | 3041000 | Tube | ♦ | 1 |
| 14 | 3043000 | Set screw M5 x 6 mm | | |
| 15 | 3044000 | Double seal light bearing | \$ | 2 |
| 16 | 3045100 | Housing | | |
| 16A | 3045200 | Housing bearing seal | | |
| 17 | 3046000 | Tube lock ring | \$ | 2 |
| 18 | 3047000 | Bearing seal | ♦ | 1 |
| 19 | 3048000 | Leather dust seal | ♦ | 30 |
| | 3048100 | Teflon dust seal (optional) | | |
| 20 | 3049000 | Washer, tungsten carbide | ♦ | 2 |
| 21 | 3050000 | End plate, rear | | |
| 22 | 3051000 | Machine screw 35 mm | | |
| 23 | 3052000 | Locking nut for rear end plate | | |
| 24 | 3053000 | Rubber lined nipple 1¼" (32 mm) | \$ | 2 |
| 25 | 2163000 | CFT Quick coupling (cast iron) | | |

| SPB Spinnerblast Carriage parts list | | | |
|--------------------------------------|----------|-------------------------------|--|
| Item | Part no. | Description | |
| | 3055000 | Adjustable centering carriage | |
| 01 | 3059000 | Carriage collar | |
| 02 | 3056000 | Carriage wheel | |
| 03 | 3057000 | Arms with wheels | |
| 04 | 3058000 | Set of centering legs | |
| 05 | 3060000 | SPB-19/12 Centering leg 12 cm | |
| 06 | 3061000 | SPB-19/19 Centering leg 19 cm | |
| 07 | 3062000 | SPB-19/29 Centering leg 29 cm | |
| 08 | 3063000 | SPB-19/46 Centering leg 46 cm | |
| 09 | 3063100 | Collar locking screw | |





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Jumbo Internal Pipe Blaster

The Jumbo Internal Pipe Blaster tool cleans the interior of pipes up to 12 meter long and ranging in size from 1016 mm (40") to 1930 mm (76") I.D. The tool connects to most abrasive blasting machines in place of a standard nozzle.

As the tool passes through the length of the pipe being cleaned, abrasive is ejected by two special nozzles mounted on a rotating head. Optimal rotating speed is controlled by the braking system. An adjustable centering carriage supports the tool through the pipe.

Features and benefits

- Constant cleaning of internal surface
- Cleaning with the highest speed possible
- Saving on time and abrasives
- Adjustable setup for the best cleaning speed
- Easy handling and no down-time
- Blast in only one drive through
- Adjustable for all kind of abrasive
- Very rigged construction



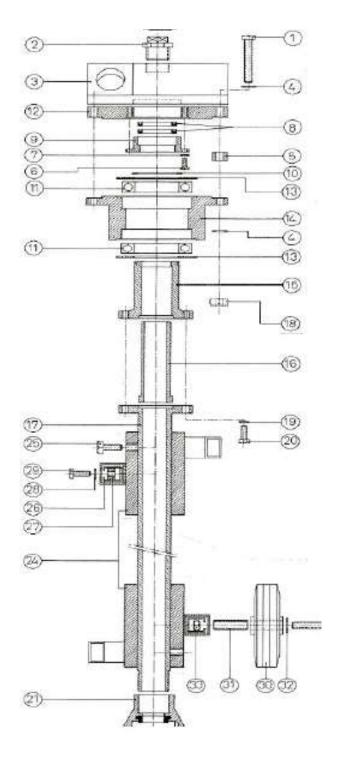
| ORDERING INFORMATION | | |
|----------------------|--|--|
| Part no. | Description | |
| 3400000 | JIPB-I Jumbo incl. carriage, excl. nozzles | |
| 3403400 | JIPB-36 Repair kit. Containing ♦-marked items in quantities part list. | |

| Jumbo Internal Pipe Blaster - nozzles | | |
|---------------------------------------|--|--|
| Part no. | Description | |
| 2007000 | ATSDX-4 Tungsten Carbide long venturi nozzle, 6.5 mm orifice, length 135 mm, 11/4" (32 mm) inlet and fine thread | |
| 2008000 | ATSDX-5 Tungsten Carbide long venturi nozzle, 8.0 mm orifice, length 145 mm, 11/4" (32 mm) inlet and fine thread | |
| 2009000 | ATSDX-6 Tungsten Carbide long venturi nozzle, 9.5 mm orifice, length 170 mm, 11/4" (32 mm) inlet and fine thread | |



Jumbo Internal Pipe Blaster

| Item | Part no. | Description | | |
|------|----------|--------------------------------------|-----------|---|
| 01 | 3400100 | JIPB-1 Bolt M10 x 70 | | |
| 02 | 3400200 | JIPB-2 Pipe plug | \$ | 4 |
| 03 | 3400300 | JIPB-3 Nozzle head | | |
| 04 | 3400400 | JIPB-4/32 Washer | | |
| 05 | 3400500 | JIPB-5 Distance ring | | |
| 06 | 3400600 | JIPB-6 Bolt M6 x 10 | | |
| 07 | 3400700 | JIPB-7 Washer | | |
| 08 | 3400800 | JIPB-8 Bearing seal | ♦ | 2 |
| 09 | 3400900 | JIPB-9 Adaptor seal | | |
| 10 | 3401000 | JIBP-10 Lock ring | ♦ | 1 |
| 11 | 3401100 | JIPB-11 Bearing | \$ | 2 |
| 12 | 3401200 | JIPB-12 Flange housing | | |
| 13 | 3401300 | JIPB-13 Protection ring | \$ | 2 |
| 14 | 3401400 | JIPB-14 Housing (alu) | | |
| 15 | 3401500 | JIPB-15 Housing (steel) | | |
| 16 | 3401600 | JIPB-16 Bushing | \$ | 1 |
| 17 | 3401700 | JIPB-17 Tube with flange | | |
| 18 | 3401800 | JIPB-18/33 Bolt M10 | \$ | 4 |
| 19 | 3401900 | JIPB-19/28 Washer M8 | | |
| 20 | 3402000 | JIPB-20 Bolt M8x25 | | |
| 21 | 3402100 | JIPB-21 Cast iron coupling | | |
| 24 | 3402200 | JIPB-24 Carriage collar | | |
| 25 | 3402300 | JIPB-25 Bolt M10x25 | | |
| 26 | 3402400 | JIPB-26 Centering leg | | |
| 27 | 3402500 | JIPB-27 Clamp | | |
| 28 | 3402600 | JIPB-28/19 Washer M8 | | |
| 29 | 3402700 | JIPB-29 Bolt | | |
| 30 | 3402800 | JIPB-30 Wheel Ø140x35 GL-15 | | |
| 31 | 3402900 | JIPB-31 Guide bushing | | |
| 32 | 3403000 | JIPB-32 Washer | | |
| 33 | 3403100 | JIPB-33/18 Bolt M10 | | |
| 34 | 3403200 | JIPB-34 Bolt M10x65 | | |
| 35 | 3403300 | JIPB-35 Centering carriage, complete | | |



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Pipecoater-I for 4"- 7" ID Pipes

PIPECOATER-I is designed to coat the inside of pipe or tubing without the need to rotate pipe or tubing and to apply an even paint film thickness throughout. Generally, any type of coating may be used in this tool that can be airless sprayed. To obtain the best possible production, one man should operate the Control Gun while another man pulls the tool through the pipe or tubing.

The Airblast Pipecoater provides an innovative and efficient solution for applying paint to the inside of pipe, tubing or other cylindrical structures. With the Pipecoater, you can apply a uniform layer of paint at remarkable speed.

The Pipecoater I tool is available in four packages to suit jobs with differing lengths of pipes: 2, 4, 6 or 12 mtrs.

Six sizes of spray tip are available, ranging from .018" to .043' to suit the specified

PIPECOATER-I is developed for pipe or tubing ranging from 90 mm to 180 mm

(4" - 7") ID.
PIPECOATER-I can be connected to a suitable airless paint spray machine of minimum 45:1 ratio.

Advantages

- Efficiently handles wide range of coatings
- Applies uniform layer at remarkable speed
- No need to rotate the pipe or tubing
- Unique gun assembly ensures precise control
- Air-controlled centering carriage legs easily adjust for gradual pipe bends



| ORDER | ORDERING INFORMATION | | |
|----------|---|--|--|
| PIPECOA | FER-I INTERNAL PIPECOATER ASSEMBLIES | | |
| Part no. | Description | | |
| | For pipes with ID of 90 mm to 180 mm (4" - 7") | | |
| 7100100 | Pipecoater-I, for use up to 2 meters (6 ft.) long pipe incl.: 3.0 meters (10 ft.) Air Control Hose 3.5 meters (11 ft.) Paint Spray Hose | | |
| 7100300 | Pipecoater-I, for use up to 4 meters (12 ft.) long pipe incl.: 5.0 meters (16 ft.) Air Control Hose 5.5 meters (18 ft.) Paint Spray Hose | | |
| 7100500 | Pipecoater-I, for use up to 6 meters (20 ft.) long pipe incl.: 10.0 meters (32 ft.) Air Control Hose 10.5 meters (34 ft.) Paint Spray Hose | | |
| 7100700 | Pipecoater-I, for use up to 12 meters (40 ft.) long pipe incl.: 15.0 meters (48 ft.) Air Control Hose 16.0 meters (52 ft.) Paint Spray Hose | | |
| | Delivery includes: • Paint Spray Tool with Centering Legs • Air Control Group and Gun • Air Control Hose • High Pressure Paint Hose | | |



Pipecoater-I for 4"- 7" ID Pipes

| DIDECOAT | TER T HOCEC |
|----------|--|
| | ER-I HOSES |
| 7100900 | Air Control Hose 3.0 meters (10 ft.) |
| 7101000 | Air Control Hose 5.0 meters (16 ft.) |
| 7101100 | Air Control Hose 10.0 meters (32 ft.) |
| 7101200 | Paint Spray Hose 3.5 meters (11 ft.) |
| 7101300 | Paint Spray Hose 5.5 meters (18 ft.) |
| 7101400 | Paint Spray Hose 10.5 meters (34 ft.) |
| PIPECOAT | ER-I FLOW CONTROL TIPS |
| 7101500 | Flow control tip 0.018" orifice |
| 7101600 | Flow control tip 0.021" orifice |
| 7101700 | Flow control tip 0.026" orifice |
| 7101800 | Flow control tip 0.031" orifice |
| 7101900 | Flow control tip 0.036" orifice |
| 7102000 | Flow control tip 0.043" orifice |
| PIPECOAT | ER-I GUN ASSEMBLY |
| 7102100 | Spray gun, incl. hose adaptor assembly |
| 7102200 | Air group for spray gun |
| 7102300 | Adapter for silver gun |
| PIPECOAT | ER-I REPAIR KITS AND RECOMMENDED SPARE PARTS |
| 7112900 | Wheel kit, Pipecoater-I includes 7112500, 7112600 and 7112700. (6 pcs. required) |
| 7105000 | O-ring set, Air Control Hose |
| 7105100 | O-ring set, Pipecoater-I |
| 7111400 | Strainer (2 pcs.) |
| 7119500 | Needle bearing |
| 7118400 | Paint tube |
| 7118500 | T-piece |
| | Flow control tips (sizes to be specified) |
| | riow control tips (sizes to be specified) |

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Pipecoater-II for 7" - 37" ID Pipes

PIPECOATER-II is designed to coat the inside of pipe or tubing without the need to rotate pipe or tubing and to apply an even paint film thickness throughout. Generally, any type of coating may be used in this tool that can be airless sprayed. To obtain the best possible production, one man should operate the Control Gun while another man pulls the tool through the pipe or tubing.

The Airblast Pipecoater provides an innovative and efficient solution for applying paint to the inside of pipe, tubing or other cylindrical structures. With the Pipecoater, you can apply a uniform layer of paint at remarkable speed.

The Pipecoater II tool is available in four packages to suit jobs with differing lengths of pipes: 2, 4, 6 or 12 mtrs.

Six sizes of spray tip are available, ranging from .018" to .043' to suit the specified coating.

PIPECOATER-II is developed for pipe or tubing ranging from 180 mm to 950 mm (7" - 37") ID.

PIPECOATER-II can be connected to a suitable airless paint spray machine of minimum 45:1 ratio.

Advantages

- Efficiently handles wide range of coatings
- Applies uniform layer at remarkable speed
- No need to rotate the pipe or tubing
- Unique gun assembly ensures precise control
- Air-controlled centering carriage legs easily adjust for gradual pipe bends



| ORDERI | NG INFORMATION |
|----------|--|
| PIPECOAT | ER-II INTERNAL PIPECOATER ASSEMBLIES |
| Part no. | Description |
| | For pipes with ID of 180 mm to 950 mm (7" - 37") |
| 7100200 | Pipecoater-II, for use up to 2 meters (6 ft.) long pipe incl.: 3.0 meters (10 ft.) Air Control Hose 3.5 meters (11 ft.) Paint Spray Hose |
| 7100400 | Pipecoater-II, for use up to 4 meters (12 ft.) long pipe incl.: 5.0 meters (16 ft.) Air Control Hose 5.5 meters (18 ft.) Paint Spray Hose |
| 7100600 | Pipecoater-II, for use up to 6 meters (20 ft.) long pipe incl.: 10.0 meters (32 ft.) Air Control Hose 10.5 meters (34 ft.) Paint Spray Hose |
| 7100800 | Pipecoater-II, for use up to 12 meters (40 ft.) long pipe incl.: 15.0 meters (48 ft.) Air Control Hose 16.0 meters (52 ft.) Paint Spray Hose |
| | Delivery includes: |
| | Paint Spray Tool with Centering Legs |
| | Air Control Group and Gun |
| | Air Control Hose |
| | High Pressure Paint Hose |



Pipecoater-II for 7" - 37" ID Pipes

| DIDECOAT | TED IT HOSES |
|----------|--|
| | ER-II HOSES |
| 7100900 | Air Control Hose 3.0 meters (10 ft.) |
| 7101000 | Air Control Hose 5.0 meters (16 ft.) |
| 7101100 | Air Control Hose 10.0 meters (32 ft.) |
| 7101200 | Paint Spray Hose 3.5 meters (11 ft.) |
| 7101300 | Paint Spray Hose 5.5 meters (18 ft.) |
| 7101400 | Paint Spray Hose 10.5 meters (34 ft.) |
| | |
| PIPECOAT | ER-I FLOW CONTROL TIPS |
| 7101500 | Flow control tip 0.018" orifice |
| 7101600 | Flow control tip 0.021" orifice |
| 7101700 | Flow control tip 0.026" orifice |
| 7101800 | Flow control tip 0.031" orifice |
| 7101900 | Flow control tip 0.036" orifice |
| 7102000 | Flow control tip 0.043" orifice |
| | |
| PIPECOAT | ER-II GUN ASSEMBLY |
| 7102100 | Spray gun, incl. hose adaptor assembly |
| 7102200 | Air group for spray gun |
| 7102300 | Adapter for silver gun |
| | |
| PIPECOAT | ER-II REPAIR KITS AND RECOMMENDED SPARE PARTS |
| 7119200 | Rotating head kit, Pipecoater-II includes 7114600, 7118000, 7114700 and 7114800 |
| 7119300 | Wheel kit, Pipecoater-II includes 7117800, 7118000, 7118100, 7118200 and 7119000 |
| 7105000 | O-ring set, Air Control Hose |
| 7105200 | O-ring set, Pipecoater-II |
| | |
| 7111400 | Strainer (2 pcs.) |
| 7113600 | Blade (3 pcs.) |
| 7114000 | Bearing |
| 7113100 | Ball bearing |
| | Flow control tips (sizes to be specified) |
| | |

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Pipecoater-III/125 for 3" - 5" ID Pipes (new model)

PIPECOATER-III/125 is designed to coat the inside of pipe or tubing ranging from 76 to 125 mm (3" - 5") ID without the need to rotate pipe or tubing and to apply an even paint film thickness throughout. Generally, any type of coating may be used in this tool that can be airless sprayed.

PIPECOATER-III/125 tool can be connected to a suitable airless paint spray machine of minimum 45:1 ratio. The unit is connected to the end of a pipe lance and connected to the high pressure paint hose coming from the spray pump. An air hose is required to connect to the PIPECOATER-III/125. Once the PIPECOATER-III/125 is positioned within the pipe or tubing, regulate the paint and air flow to the correct pressure. The spray gun is triggered to begin the paint flow. The paint will be sprayed through a spin nozzle controlled by the air flow in a 360° spraying pattern.

To stop the PIPECOATER-III/125, release the spray gun trigger and shut off the air supply to the unit. For the best possible result, one man should operate the spray gun while another man pulls the tool through the pipe or tubing.

Advantages

- Efficiently handles wide range of coatings
- Applies uniform layer at remarkable speed
- No need to rotate the pipe or tubing



ORDERING INFORMATION

PIPECOATER-III/125 INTERNAL PIPECOATER ASSEMBLY

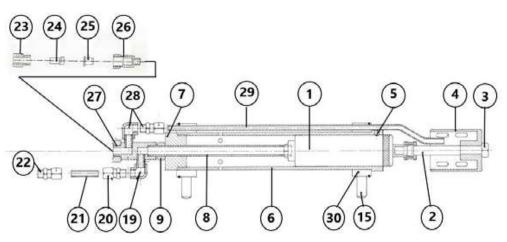
PIPECOATER-III range are economy models, developed for pipe or tubing ranging from 76 mm to 900 mm (3" - 36") ID. The three models are executed with different centering devices which must be set to the right diameter manually.

7301001 PIPECOATER-III/125 complete unit with centering carriage. For pipes with ID of 76 mm to 125 mm (3" - 5")



Pipecoater-III/125 for 3" - 5" ID Pipes (new model)

| Item | Part no. | Description | | |
|------|----------|--|--|--|
| 1 | 7310000 | Air motor | | |
| 2 | 7310100 | Axle | | |
| 3 | 7310200 | Nut M10 | | |
| 4 | 7310300 | Rotating head dia 54 mm | | |
| 5 | 7310400 | Bolt M6 x 8 | | |
| 6 | 7310500 | Aluminium housing | | |
| 7 | 7310600 | Rear end plate | | |
| 8 | 7310700 | Air tube 1/4" x 170 mm | | |
| 9 | 7310800 | Nut 1/4" x 8 mm | | |
| 15 | 3006000 | Complete set of centering pins (5 x set) | | |
| | 3006500 | Centering pin for 75mm ID pipe (1 pc.) | | |
| | 3007000 | Centering pin for 83mm ID pipe (1 pc.) | | |
| | 3008000 | Centering pin for 97mm ID pipe (1 pc.) | | |
| | 3009000 | Centering pin for 107mm ID pipe (1 pc.) | | |
| | 3010000 | Centering pin for 123mm ID pipe (1 pc.) | | |
| 16 | 3010100 | Bolt M6 | | |
| 18 | 3010200 | Locking bolt M10 | | |
| 19 | 7315700 | Elbow 1/8" x 1/8" MF | | |
| 20 | 7315800 | Coupling 1/8" x dia 6 mm | | |
| 21 | 7315900 | PU Hose dia 6 - 8 / 15 cm | | |
| 22 | 7316000 | Coupling ¼" x dia 6 mm | | |
| 23 | 7314500 | Filter holder | | |
| 24 | 7314600 | Tip filter 100 mesh (standard) | | |
| | 7314650 | Tip filter 60 mesh | | |
| 25 | 7315000 | Flow control tip 0,042" orifice (standard) | | |
| | 7315100 | Flow control tip 0,020" orifice | | |
| | 7315200 | Flow control tip 0,028" orifice | | |
| | 7315300 | Flow control tip 0,060" orifice | | |
| | 7315400 | Flow control tip 0,064" orifice | | |
| | 7315500 | Flow control tip 0,076" orifice | | |
| 26 | 7314700 | Tip holder | | |
| 27 | 7316100 | Inlet housing 1/8" x 1/4" | | |
| 28 | 7316200 | Elbow dia 6 - 1/8" | | |
| 29 | 7316300 | Paint tube dia 4 - dia 6 | | |
| 30 | 7316400 | Centering collar dia 48 mm | | |



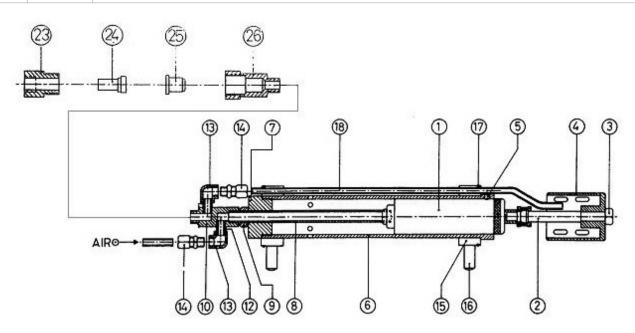
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Pipecoater-III/125 for 3" - 5" ID Pipes (old model)

Spare parts for old model PIPECOATER-III/125 are still available.

| | PIPECOATER-III/125 SPARE PARTS | | |
|------|--------------------------------|--|--|
| Item | Part no. | Description | |
| 1 | 7310000 | Air motor | |
| 2 | 7310100 | Axle | |
| 3 | 7310200 | Nut (M10) | |
| 4 | 7310300 | Rotating head (diameter 54 mm) | |
| 5 | 7310400 | Bolt (M6 x 8) | |
| 6 | 7310500 | Aluminium housing | |
| 7 | 7310600 | Rear end plate | |
| 8 | 7310700 | Air tube (¼" x 8 mm) | |
| 9 | 7310800 | Nut (¼" x 8 mm) | |
| 10 | 7310900 | Inlet housing | |
| 11 | 7311000 | Reduction nipple (½" x ¼") | |
| 12 | 7311100 | Threaded sleeve (1/8"x 21 mm) | |
| 13 | 7311200 | Elbow (1/8" FF no. 090) | |
| 14 | 7311300 | Coupling (¼" x 8 mm) | |
| 15 | 7311400 | Centering collars | |
| 16 | 3006000 | Centering button set (4 x six button set) | |
| 17 | 7311500 | O-ring | |
| 18 | 7311160 | Paint tube | |
| 23 | 7314500 | Filter holder | |
| 24 | 7314600 | Tip filter | |
| 25 | 7315000 | Flow control tip 0,042" orifice (standard) | |
| | 7315100 | Flow control tip 0,020" orifice | |
| | 7315200 | Flow control tip 0,028" orifice | |
| | 7315300 | Flow control tip 0,060" orifice | |
| | 7315400 | Flow control tip 0,064" orifice | |
| | 7315500 | Flow control tip 0,076" orifice | |
| 26 | 7314700 | Tip holder | |





Pipecoater-III/300 for 5" - 12" ID Pipes

PIPECOATER-III/300 is designed to coat the inside of pipe or tubing ranging from 125 to 300 mm (5" - 12") ID

without the need to rotate pipe or tubing and to apply an even paint film thickness throughout. Generally, any type of coating may be used in this tool that can be airless sprayed.

PIPECOATER-III/300 tool can be connected to a suitable airless paint spray machine of minimum 45:1 ratio. The unit is connected to the end of a pipe lance and connected to the high pressure paint hose coming from the spray pump. An air hose is required to connect to the PIPECOATER-III/300. Once the PIPECOATER-III/300 is positioned within the pipe or tubing, regulate the paint and air flow to the correct pressure. The spray gun is triggered to begin the paint flow. The paint will be sprayed through a spin nozzle controlled by the air flow in a 360° spraying pattern.

To stop the PIPECOATER-III/300, release the spray gun trigger and shut off the air supply to the unit. For the best possible result, one man should operate the spray gun while another man pulls the tool through the pipe or tubing.



Advantages

- Efficiently handles wide range of coatings
- Applies uniform layer at remarkable speed
- No need to rotate the pipe or tubing

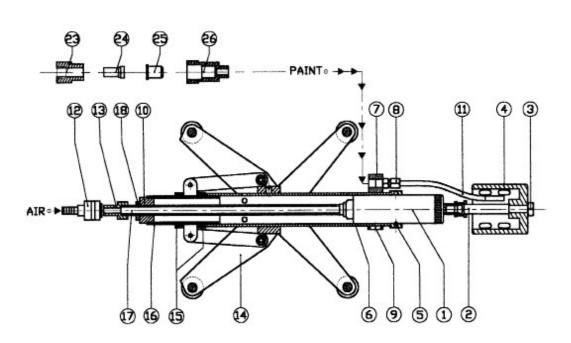
ORDERING INFORMATION PIPECOATER-III/300 INTERNAL PIPECOATER ASSEMBLY PIPECOATER-III range are economy models, developed for pipe or tubing ranging from 76 mm to 900 mm (3" - 36") ID. The three models are executed with different centering devices which must be set to the right diameter manually. 7302000 PIPECOATER-III/300 complete unit with CBC-2 centering carriage. For pipes with ID of 125 mm to 300 mm (5" - 12)

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Pipecoater-III/300 for 5" - 12" ID Pipes

| Item | Part no. | Description |
|------|----------|--|
| 1 | 7310000 | Air motor |
| 2 | 7310100 | Axle |
| 3 | 7310200 | Nut (M10) |
| 4 | 7312000 | Rotating head (diameter 69 mm) |
| 5 | 7310400 | Bolt (M6 x 8) |
| 6 | 7310500 | Aluminium housing |
| 7 | 7312100 | Inlet housing |
| 8 | 7312200 | Coupling (¼" x 8 mm) |
| 9 | 7315600 | Bolt (M10 x 10) |
| 10 | 7313700 | Rear end plate |
| 11 | 7312500 | Paint tube |
| 12 | 2176100 | CCC-38/F Quick coupling |
| 13 | 2178100 | IF-14 Quick connect coupling |
| 14 | 3011000 | CBC - 2 Centering carriage |
| 15 | 7314800 | Lock nut |
| 16 | 3025000 | Protection sleeve threaded |
| 17 | 7314000 | Paint tube stainless steel |
| 18 | 7314100 | Nut |
| 23 | 7314500 | Filter holder |
| 24 | 7314600 | Tip filter |
| 25 | 7315000 | Flow control tip 0,042" orifice (standard) |
| | 7315100 | Flow control tip 0,020" orifice |
| | 7315200 | Flow control tip 0,028" orifice |
| | 7315300 | Flow control tip 0,060" orifice |
| | 7315400 | Flow control tip 0,064" orifice |
| | 7315500 | Flow control tip 0,076" orifice |
| 26 | 7314700 | Tip holder |





Pipecoater-III/900 for 12" - 36" ID Pipes

PIPECOATER-III/900 is designed to coat the inside of pipe or tubing ranging from 300 to 900 mm (12" - 36") ID without the need to rotate pipe or tubing and to apply an even paint film thickness throughout. Generally, any type of coating may be used in this tool that can be airless sprayed.

PIPECOATER-III/900 tool can be connected to a suitable airless paint spray machine of minimum 45:1 ratio. The unit is connected to the end of a pipe lance and connected to the high pressure paint hose coming from the spray pump. An air hose is required to connect to the PIPECOATER-III/900. Once the PIPECOATER-III/900 is positioned within the pipe or tubing regulate the paint and air flow to the correct pressure. The spray gun is triggered to begin the paint flow. The paint will be sprayed through a spin nozzle controlled by the air flow in a 360° spraying pattern.

To stop the PIPECOATER-III/900, release the spray gun trigger and shut off the air supply to the unit. For the best possible result, one man should operate the spray gun while another man pulls the tool through the pipe or tubing.



Advantages

7303000

- Efficiently handles wide range of coatings
- Applies uniform layer at remarkable speed
- No need to rotate the pipe or tubing

ORDERING INFORMATION PIPECOATER-III/900 INTERNAL PIPECOATER ASSEMBLY PIPECOATER-III range are economy models, developed for pipe or tubing ranging from 76 mm to 900 mm (3" - 36") ID. The three models are executed with different centering devices which must be set to the right diameter manually.

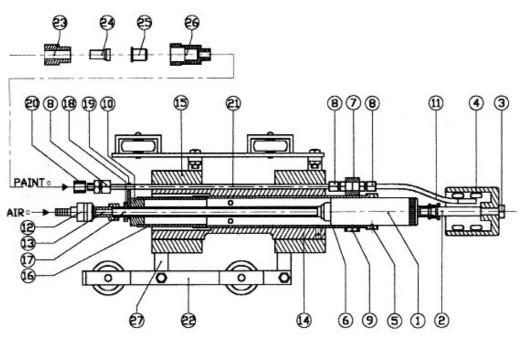
PIPECOATER-III/900 complete unit with centering carriage. For pipes with ID of 300 mm to 900 mm (12" - 36")

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Pipecoater-III/900 for 12" - 36" ID Pipes

| Item | Part no. | Description | | |
|------|----------|--|--|--|
| 1 | 7310000 | Air motor | | |
| 2 | 7310100 | Axle | | |
| 3 | 7310200 | Nut (M10) | | |
| 4 | 7312000 | Rotating head (diameter 69 mm) | | |
| 5 | 7310400 | Bolt (M6 x 8) | | |
| 6 | 7310500 | Aluminium housing | | |
| 7 | 7312100 | Inlet housing | | |
| 8 | 7312200 | Coupling (¼" x 8 mm) | | |
| 9 | 7315600 | Bolt (M10 x 10) | | |
| 10 | 7313700 | Rear end plate | | |
| 11 | 7312500 | Paint tube | | |
| 12 | 2176100 | CCC-38/F Quick coupling | | |
| 13 | 2178100 | IF-14 Quick connect coupling | | |
| 14 | 7313000 | Bushing | | |
| 15 | 3059000 | Centering collars | | |
| 16 | 3025000 | Protection sleeve threaded | | |
| 17 | 7314000 | Paint tube stainless steel | | |
| 18 | 7314100 | Nut | | |
| 19 | 7314200 | Tube holder | | |
| 20 | 7314300 | Nut | | |
| 21 | 7314400 | Paint tube, brass | | |
| 22 | 3057000 | Arm with wheels | | |
| 23 | 7314500 | Filter holder | | |
| 24 | 7314600 | Tip filter | | |
| 25 | 7315000 | Flow control tip 0,042" orifice (standard) | | |
| | 7315100 | Flow control tip 0,020" orifice | | |
| | 7315200 | Flow control tip 0,028" orifice | | |
| | 7315300 | Flow control tip 0,060" orifice | | |
| | 7315400 | Flow control tip 0,064" orifice | | |
| | 7315500 | Flow control tip 0,076" orifice | | |
| 26 | 7314700 | Tip holder | | |
| 27 | 3058000 | Set of centering legs (4 x 6 pieces) | | |





Pipecoater-IV for 1" - 12" ID Pipes

PIPECOATER-IV tool is designed to coat the inside of pipe or tubing ranging from 25 to 300 mm (1" - 12") ID without the need to rotate pipe or tubing and to apply an even paint film thickness throughout. Generally, any type of coating may be used in this tool that can be airless sprayed.

PIPECOATER-IV tool can be connected to a suitable airless paint spray machine of minimum 45:1 ratio. The unit is connected to the end of a pipe lance and connected to the high pressure paint hose coming from the spray pump. An air hose is required to connect to the PIPECOATER-IV. Once the PIPECOATER-IV is positioned within the pipe or tubing regulate the paint and air flow to the correct pressure. The spray gun is triggered to begin the paint flow. The paint will be sprayed through the round spray nozzle controlled by the air flow in a 360° spraying pattern.

To stop the PIPECOATER-IV, release the spray gun trigger and shut off the air supply to the unit. For the best possible result, one man should operate the spray gun while another man pulls the tool through the pipe or tubing.

Advantages

- Efficiently handles wide range of coatings
- · Applies uniform layer at remarkable speed
- No need to rotate the pipe or tubing



ORDERING INFORMATION

PIPECOATER-IV INTERNAL PIPECOATER ASSEMBLY

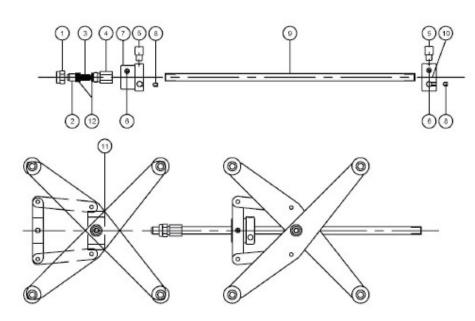
7304001 PIPECOATER-IV – bare – including TNSSTC 6 tip (1.07mm) assy and AB-SS 100 filter (parts 1 – 4, 6 - 10 + 12). Optional with centering collars for pipes with ID: 76 – 125mm (3" to 5") and with 125 – 300mm (5" to 12").

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Pipecoater-IV: 1" - 12"

| | | PARE PARTS |
|------|----------|------------------------------|
| Item | Part no. | Description |
| 1 | 7304008 | Tip nut SS |
| 2 | 7304017 | TNSSTC 0.80 spray tip |
| | 7304018 | TNSSTC 0.90 spray tip |
| | 7304019 | TNSSTC 1 spray tip |
| | 7304020 | TNSSTC 1.5 spray tip |
| | 7304021 | TNSSTC 2 spray tip |
| | 7304022 | TNSSTC 3 spray tip |
| | 7304023 | TNSSTC 4 spray tip |
| | 7304024 | TNSSTC 6 spray tip |
| | 7304025 | TNSSTC 8 spray tip |
| | 7304026 | TNSSTC 9 spray tip |
| | 7304027 | TNSSTC 10 spray tip |
| | 7304028 | TNSSTC 12 spray tip |
| | 7304029 | TNSSTC 14 spray tip |
| | 7304030 | TNSSTC 15 spray tip |
| | 7304031 | TNSSTC 16 spray tip |
| | 7304032 | TNSSTC 18 spray tip |
| | 7304033 | TNSSTC 20 spray tip |
| | 7304034 | TNSSTC 22 spray tip |
| | 7304035 | TNSSTC 24 spray tip |
| | 7304036 | TNSSTC 26 spray tip |
| 3 | 7030414 | Tip filter AB-SS 50 |
| | 7304015 | Tip filter AB-SS 100 |
| | 7304009 | Tip filter AB-SS 200 |
| 4 | 7304003 | Housing SS |
| 5 | 7304005 | Centering device 2" to 5" |
| 6-10 | 7304010 | Pipecoater, bare |
| 11 | 7304006 | Centering carriage 5" to 12" |
| 12 | 7304007 | Nylon washers (set of 2) |





SWS Semi-automatic Winch System

The AIRBLAST semi-automatic winch system is specially developed for the Airblast Internal Pipe Cleaning Equipment such as the Circleblast, Spinnerblast and Jumboblast as well as for the Airblast Pipe Coating Equipment such as the Pipecoater-III/125/300/900.

This machine is designed with a PLC controlled hoisting system to pull at the blast hose with an adjustable constant speed to clean the inside of pipes. The speed can be adjusted from almost zero to 3mtr/minure or more.

The Airblast Winch system can be produced for all kind of power supplies: 230VAC 1 phase, 400VAC 3phases, 12VDC or 24VDC.

The travel speed of the Airblast Pipe Cleaners inside the pipe is operated and controlled by the control box which is mounted on the rigged frame. The control panel features the on/off switch as well the potential meter for the speed control which is adjustable from 0 to 100%. The semi-automatic winch system is made with high grade components to withstand the extreme environment of open blast cleaning, and has protection class IP55.

Advantages

- Constant cleaning of internal surface
- Cleaning with the highest speed possible
- Saving on time and abrasives
- Adjustable setup for the best cleaning speed
- Easy handling and no down-time
- Blast in only one drive through
- Adjustable for all kind of abrasive
- Very rigged construction
- Suitable for all kind of pipe internal diameters
- Semi-automatic, one operator can handle more machines or do other work

| ORDERING INFORMATION | | |
|----------------------|---------------------------------|--|
| SWS Semi- | SWS Semi-automatic Winch System | |
| Part no. | Description | |
| 8968001 | Winch System 1 - 5 mtr./min. | |
| 8968003 | Winch System 2 - 10 mtr./min. | |
| 8969004 | Winch System 2 - 15 mtr./min. | |

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Section 4 - Personal Protection Equipment

| Product | Page |
|---|------|
| Extreme abrasive blasting helmet | 92 |
| ASTRO Abrasive blasting helmet | 93 |
| NOVA Abrasive blasting helmet | 94 |
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| HAF Filter cartridges | 100 |
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Extreme Abrasive Blasting Helmet

The Extreme abrasive blasting helmet is made of a lightweight glass fibre reinforced polyester with a blue rubber coating which limits the sound of rebounding blast particles to a minimum and protects the user from dust with a comfortable overpressure. The yellow airflow indicator shows whether sufficient air is being passed into the blasting helmet. The wire mesh screen and the disposable visor protect the main visor and can be easily exchanged. An exchangeable cotton neck seal ensures comfort and protection. A cape or jacket, available in leather, bisonyl or cotton, protects the user's chest, back, and shoulders. The Extreme can be perfectly combined with the Vortex Air Conditioner or the leather/cotton overall.

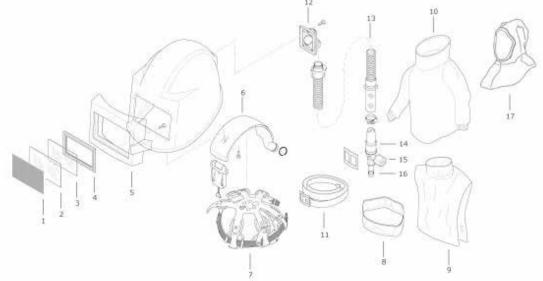
Features and benefits:

- The Extreme has a concentrated field of vision (156 x 102 mm)
- Adjustable headband for increased comfort
- All parts e.g. visors rubber seals are easy to replace
- Unique rubber coating decreases noise level and wear
- Fail safe airflow indicator for increased safety



| ORDERING INFORMATION | |
|----------------------|---|
| Part no. Description | |
| 4050000 | Extreme-I blasting helmet, consist of helmet assembly, breathing tube, regulator, sound silencer, cape and cape |
| 4050100 | Extreme-II blasting helmet, same as above only with leather cape |
| 4050200 | Extreme-III blasting helmet, bare excluding breathing tube, regulator, sound silencer, cape and cape |

| Item | Part no. | Description | Item | Part no. | Description |
|--------|-------------|--|------|----------|---------------------------------------|
| 1 | 4022000 | Wire mesh screen 110 x 165 mm | 10 | 4054000 | Blouse cotton (optional) |
| 2 | 4023000 | Glass window 112 x 166 x 2,5 mm | | 4054100 | Blouse leather (optional) |
| 3 | 4024000 | Acrylate window 102 x 156 x 2,5 mm | 11 | 4015000 | Waist belt |
| 4 | 4025000 | Rubber window gasket | 12 | 4050900 | Air inlet assembly |
| 5 | 4050600 | Window assembly | 13 | 4051000 | Corrugated hose 22mm |
| 6 | 4050800 | Air flow indicator | 14 | 4018000 | Silencer type P |
| 7 | 4028000 | Adjustable headband | 15 | 4019000 | Airflow regulator |
| 8 | 4011000 | Neck bib w/plastic zipper | 16 | 4019100 | Nipple CEJN 1/4" inner thread |
| 9 | 4012000 | Cape nylon | 17 | 4053300 | Cotton comfort hood |
| | 4012100 | Cape leather | | | |
| Option | al Accessor | ies | · | | |
| | 4046100 | Vortex Climate Control Tube complete with be met to supply a continuous flow of cool or wa | | | to breathing tube of Extreme Blast He |



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AIRBLAST

ASTRO Abrasive Blasting Helmet

The ASTRO abrasive blasting helmet is a compact lightweight (1.2 kg) blast helmet with a large flat lens which provides excellent vision without distortion. The Astro abrasive blasting helmet is your number one economy choice which meets standards worldwide including CE, Australian Standards and is approved by NIOSH.

Tear-off lenses

The Tear-off Lens System is a unique system of pre-folded tabs. This means workers can quickly tear off just one layered lens at a time. Contractors have reported a time saving of over 45 minutes a day per blaster using the Tear off Lenses system which results in increased productivity.

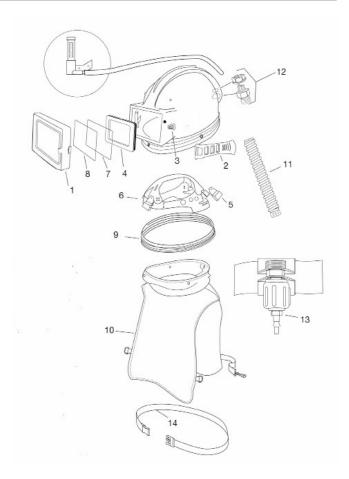
Features and benefits:

- Removable head suspension
- Sturdy visor frame with integral molded hinge
- Optional tear-off lens available
- Low flow indicator
- Hand strap
- Abrasive resistant polyethylene helmet shell
- Flexible breathing tube
- Flow control valve
- Replaceable cape cover band
- Durable nylon cape

| ORDERING INFORMATION | | |
|---|---|--|
| Part no. | o. Description | |
| 4600000 | ASTRO blasting helmet, consist of helmet assembly, breathing tube, regulator and nylon cape | |
| 4600100 ASTRO blasting helmet, same as above only with leather cape | | |

| ASTR | ASTRO Parts List | | | |
|------|------------------|-----------------------------|--|--|
| Item | Part no. | Description | | |
| 01 | 4600300 | Visor | | |
| 02 | 4600400 | Visor strap | | |
| 03 | 4600500 | Cleat | | |
| 04 | 4600600 | Gasket seal | | |
| 05 | 4600700 | Suspension clips (set of 4) | | |
| 06 | 4600800 | Head suspension | | |
| 07 | 4600900 | Inner lens (set of 10) | | |
| 08 | 4601000 | Outer lens (set of 50) | | |
| | 4601001 | Tear-off lens (set of 50) | | |
| 09 | 4601100 | Cape coverband | | |
| 10 | 4601200 | Cape nylon | | |
| | 4601300 | Cape leather | | |
| 11 | 4601400 | Breathing tube | | |
| 12 | 4601500 | Air inlet assembly | | |
| 13 | 4601600 | Flow control valve | | |
| 14 | 4601700 | Belt and buckle | | |

| Optional Accessories | | |
|----------------------|------------------------|--|
| Part no. | Description | |
| 4320010 | Cold Air Tube assembly | |
| 4320011 | Hot Air Tube assembly | |





NOVA Abrasive Blasting Helmet

The NOVA abrasive blasting helmet is one of the most comfortable blasting helmets available. Lightweight pillow foam padding provides maximum comfort and reduces outside noise to a minimum. A soft breathable inner cape allows perfect airflow while keeping out contaminants. The advanced Air Duct Distribution System creates a constant flow of breathable air, prevents fogging and keeps workers cool. The large, double lens offers optimum vision without irritating side glare. Every feature of the NOVA has been designed, manufactured and tested to ensure workers' safety and comfort under even the most demanding conditions.

The Tear off Lenses system is a unique "FIT AND SAVE" system of pre-folded tabs. This means workers can quickly tear off just one layered lens at a time. Contractors have reported a time saving of over 45 minutes a day per blaster which results in increased productivity.



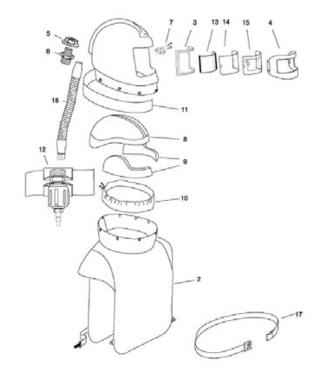
The Nova has been tested and approved to Respiratory Protection standards worldwide including CE and AS/NZS.



| ORDERING INFORMATION | | |
|----------------------|--|--|
| Part no. | Description | |
| 4700000 | NOVA Air Supplied Blasting Helmet, complete with - In-helmet low flow warning device - Breathing air tube assy - Adjustable flow control valve and nylon belt - Nylon cape - CE approved to EN 271 | |

| NOVA Parts List | | |
|-----------------|----------|-----------------------------------|
| Item | Part no. | Description |
| 02 | 4700500 | Nylon cape c/w inner bib |
| 03 | 4702400 | Window frame gasket |
| 04 | 4702500 | Visor with hinge and screws |
| 05/06 | 4702700 | Air inlet assy |
| 07 | 4702800 | Visor latch and screws |
| 08 | 4701100 | Polystyrene helmet liner (medium) |
| 09 | 4701700 | Sidewings (medium) |
| 10 | 4701000 | Inner bib |
| 11 | 4705100 | Cape cover band |
| 12 | 4601600 | Adjustable flow control valve |
| 13 | 4703600 | Inner lens (pack of 10) |
| 14 | 4703800 | Outer lens (pack of 50) |
| 15 | 4703700 | Tear-off lens (pack of 50) |
| 17 | 4601700 | Belt with buckles |
| 18 | 4601400 | Breathing air tube |

| Optional Accessories | | |
|----------------------|------------------------|--|
| Part no. | Description | |
| 4320010 | Cold Air Tube assembly | |
| 4320011 | Hot Air Tube assembly | |



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NOVA 1 Abrasive Blasting Helmet

The NOVA 1 has been tested and approved to Respiratory Protection standards worldwide including CE and AS/NZS. NOVA 1 has been designed specifically for blasting, by blasting experts.

Comfort

A comfortable respirator system dramatically reduces worker fatigue and increases productivity. Lightweight pillow foam padding provides maximum comfort and reduces outside noise to a minimum. A soft breathable inner cape allows perfect airflow while keeping out contaminants. The advanced Air Duct Distribution System creates a constant flow of breathable air, prevents fogging and keeps workers cool. Every feature of the NOVA 1 has been designed, manufactured and tested to ensure workers' safety and comfort under even the most demanding conditions.

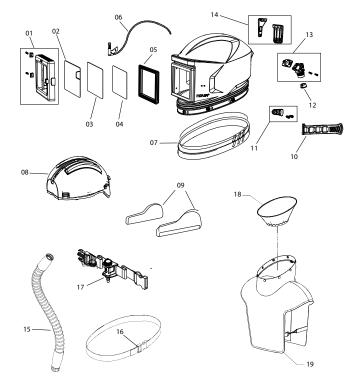
Features and benefits:

- Super tough helmet shell that is UV stabalized and abrasion resistant.
- Adjustable sturdy visor frame to take different lens thicknesses. "FIT AND SAVE" Tear off Lenses system.
- Durable nylon cape with comfortable seal around the necks.
- Unique high-strenght visor strap.
- Flexible breathing tube.
- In-helmet low flow warning device.
- CE approved to EN14594.

| ORDERING INFORMATION | |
|---|---|
| Part no. Description | |
| 4800000 | NOVA 1 Air Supplied Blasting Helmet, complete with nylon cape and constant flow valve |
| 4800110 NOVA 1 Air Supplied Blasting Helmet, complete with nylon cape and adjustable flow control valve | |

| NOVA 1 Parts List | | |
|-------------------|----------|-------------------------------|
| Item | Part no. | Description |
| 01 | 4800300 | Visor kit |
| 02 | 4601001 | Tear-off lens |
| 03 | 4601000 | Outer lens |
| 04 | 4600900 | Inner lens |
| 05 | 4600600 | Window gasket seal |
| 06 | 4703500 | Low flow indicator |
| 07 | 4800900 | Cape cover band |
| 08 | 4701400 | Head dome (sizes S, M & L) |
| 09 | 4701700 | Side wings (sizes S, M & L) |
| 10 | 4800400 | Visor strap |
| 11 | 4800500 | Cleat |
| 12 | 4800800 | Low flow indicator adaptor |
| 13 | 4800700 | Air inlet kit |
| 14 | 4800600 | Support brackets |
| 15 | 4801300 | Breathing tube |
| 16 | 4703400 | Belt |
| 17 | 4801200 | Constant flow valve |
| | 4601600 | Adjustable flow control valve |
| 18 | 4701000 | Inner bib |
| 19 | 4801000 | Nylon cape 71 cm |
| | 4801100 | Leather cape 71 cm |

| Optional Accessories | | |
|----------------------|------------------------|--|
| Part no. | Description | |
| 4320010 | Cold Air Tube assembly | |
| 4320011 | Hot Air Tube assembly | |





NOVA 3 Advanced Performance Blasting Helmet

The ultimate protection and future-proofed performance

The NOVA 3 series respirator combines breakthrough protection technology with advanced comfort and functionality, surpassing even the most rigorous industry standards and the demands of the most quality conscious companies. Designed to optimize safety and productivity, and to minimize worker downtime, the helmet has a host of features that maximize its lifetime value.

Safety above all else

Rigorous safety standards not only protect valued workers, they also maximize efficiency, and maintain companies' hard-earned reputations as suppliers and employers. The NOVA 3 using all conventional safety testing. Meets standards worldwide, including NIOSH, ANSI Z87.1 - 2010+, ANSI Z89.1 - 2012 Type 1 Class C.



Comfortable kit - clear thinking

The NOVA 3's design and engineering distributes the helmet's weight evenly across the head and shoulders for optimum comfort, practicality, and ease of worker movement, reducing fatigue. In addition, a ratchet-adjusted neck pad ensures your head is supported. The ingenious, fully adjustable, internal "Clever Fit Padding" allows helmets to be individually customized. This avoids discomfort and irritation, giving workers a clear head even under the pressures of their work. The padding has a second, vital, purpose. It's positioned to help absorb sound within the helmet, protecting workers' hearing. Padding is easily removed, and fully machine washable, making helmets hygienic and pleasant to wear even in the most extreme temperatures.

The NOVA 3 takes Airblast's goals of protecting workers' safety, optimizing productivity, and minimizing downtime, to a whole new level.

Features and benefits:

- Streamlined air system that direct air to the breathe zone, reducing lens fogging and eliminating head chill.
- Tough, high-pressure moulded helmet shell, manufactured from engineering grade nylon.
- Bellow seal creates a complete barrier to duct and particles.
- Large viewing window that provides optimum downward and peripheral vision.
- "Fit & Save"tear-off lens system that reduces downtime.
- Removable visor for efficient lens replacement.
- Light grey helmet surface reflects heat while the vibrant green visor ensures visibility.
- Field-replaceable air inlet fitting with a unique thread so it can't be installed incorrectly.
- Ratchet adjustable padding system creates secure custom fit.
- Large, glove sized latch that is easy to locate and use.
- Clip on cape seal stops abrasives and dust entering the helmet.
- Cape is securely attached with 8 snap fasteners.
- CE approved tt EN14594.

| ORDERING INFORMATION | |
|----------------------|---|
| Part no. Description | |
| 4900000 | NOVA 3 Air Supplied Blasting Helmet, complete with nylon cape and constant flow valve |
| 4900110 | NOVA 3 Air Supplied Blasting Helmet, complete with nylon cape and adjustable flow control valve |

| Optional Accessories | |
|----------------------|------------------------|
| Part no. Description | |
| 4320010 | Cold Air Tube assembly |
| 4320011 | Hot Air Tube assembly |
| 4904000 | L4 Blast Light Kit |

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NOVA 3 Advanced Performance Blasting Helmet

| NOVA 3 Parts List | | | |
|-------------------|--|---|--|
| Part no. | Description | All kill contain screws and muts when necessary 4900800 | |
| 4900800 | Hinge lock | | |
| 4900900 | Visor mount kit | 4800700 | |
| 4800700 | Air inlet kit | | |
| 4901100 | Low flow indicator adaptor | | |
| 4901200 | Padding connectors (left & right) | | |
| 4800900 | Cape cover band | 4901200 | |
| | | 4809900 | |
| 4900100 | Inner gasket | | |
| 4900200 | Inner lens (pack of 10) | 4900100 | |
| 4900400 | Inner lens frame | 4900400 | |
| 4900500 | Outer lens (pack of 50) | 4900200 | |
| 4900600 | Tear-off lens (pack of 50) | | |
| 4900700 | Visor kit (incl. visor with hinge pin and latch, hinge lock) | 4900700 | |
| | | 4900500 | |
| 4801300 | Breathing tube | 2 | |
| 4801200 | Constant flow valve (fitted on 4900000) | 4601600 | |
| 4601600 | Adjustable flow control valve (fitted on 4901100) | 4801200 | |
| 4320010 | Cold air tube | 4320010 | |
| 4320011 | Hot air tube | | |
| 4703400 | Belt | 43013000 | |
| 4801000 | Nylon cape | 4902900- | |
| 4902500 | Extra lenght nylon cape | 4701000 | |
| 4801100 | Leather cape | | |
| 4902700 | Extra lenght leather cape | | |
| 4902800 | Blast jacket - XL | | |
| 4902900 | Blast jacket - XXL | | |
| | | 4902700 4801100 4902500 | |
| 4901300 | Side padding frames (left & right) | | |
| 4001400 | Side padding foam & covers (A-10) for large head size | 4901900 | |
| 4901500 | Side padding foam & covers (A-15) for medium head size | 4902000 4903000 | |
| 4901600 | Side padding foam & covers (A-20) for small head size | # 18 | |
| 4901700 | Side padding covers (5 pair) | 000 / 100 | |
| 4901800 | Talk side padding covers (5 pair) | | |
| 4901900 | Head liner kit (including clips) | 4902100 4901500 | |
| 4903000 | Adjustable head support | 4901300 4901600 | |
| | | | |



Miniatura Air Supplied Paintspray Hood

A light duty airhood using totally clear acetate components providing a perfect vision. The unique visor clamps ensure easy installation of the disposable visors for protection of the main visor against damage and/or splashes. The soft washable face seal ensures a comfortable protective overpressure around the face. An optional cape can be used to protect the upper and back part of the head and neck against dust and liquid particles. Also available as combi version with an integral safety helmet.

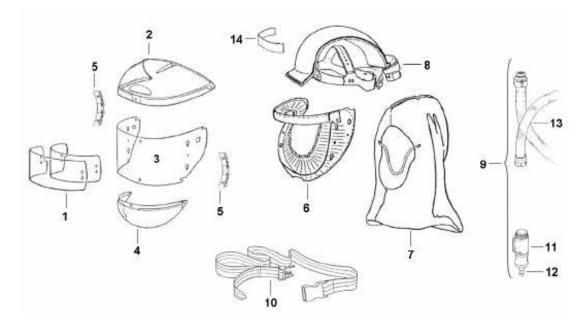
Features and benefits:

- Full face clear visor system allows light in and wide field of vision
- Full face protection including chin and brow guard
- Soft, elastic and washable face seal
- Unique system of spring loaded clamps for disposable visors

| MINIA | MINIATURA Sparte Parts | | |
|-------|------------------------|--|--|
| Item | Part no. | Description | |
| 1 | 4043600 | Disposable outer lens (100 pcs. per set) | |
| 2 | 4044900 | Top shield acetate | |
| 3 | 4044100 | Inner lens acetate | |
| 4 | 4043900 | Bottom shield acetate | |
| 5 | 4043800 | Clamp for disposable window (set of 2) | |
| 6 | 4044800 | Face collar | |
| 7 | 4042000 | Disposable hood | |
| 8 | 4044700 | Adjustable headband with air connection | |
| 9 | 4044200 | Hose 22 mm with bayonet connection complete with: - airflow regulator - waist belt - silencer - nipple | |
| 10 | 4044600 | Waist belt | |
| 11 | 4044400 | Silencer for airflow regulator | |
| 12 | 4019100 | Nipple CEJN with ¼" inner thread | |
| 13 | 4044300 | Hose 22 mm with bayonet connection | |
| 14 | 4019800 | Self-adhesive sweatband | |



| ORDERING INFORMATION | |
|----------------------|---|
| Part no. | Description |
| 4038000 | Miniatura air supplied paintspray hood, complete with: - Hood assembly - Breathing tube - Adjustable air flow control incl. sound silencer - 1 spare face collar - 10 disposable outer lenses - 2 spare self-adhesive sweatband - 3 disposable hoods |



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AIRBIAST

Helmet Air Filter for 1 - 6 users

Airblast Helmet Air Filter (HAF) is designed to remove oil mist, water vapour and particulates down to 0.5 microns from breathing grade compressed air. The Airblast Helmet Air Filter meets OSHA regulation 1910.94 (6) (ii), requiring a trap and carbon filter be installed and regularly maintained to remove objectionable odours, as well as water, oil mist and other particulates. The Airblast HAF is supplied incl. pressure reducing valve to reduce the pressure to the requirements of supplied air respirators, providing that the inlet pressure does not exceed 8,6 bar (125 PSI).

Advantages

- One filter suitable for multiple respirators, up to 6 users
- Polypropylene filter cartridge casing eliminates corrosion hazard
- Filter cartridge lasts up to 3 months (based on 40 hours week)
- Filters can be floor or wall mounted

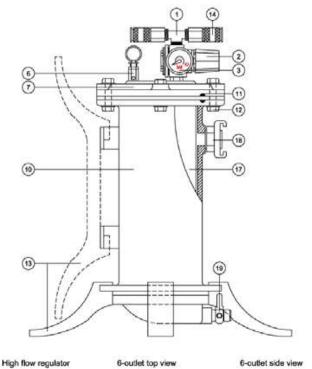


| | ORDERING INFORMATION | |
|--|----------------------|--|
| | Part no. | Description |
| | 4300000 | HAF-I Helmet Air Filter for 1-2 users |
| | 4320000 | HAF-II Helmet Air Filter for 1-6 users |

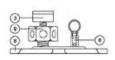
| HAF Parts List | | |
|----------------|----------|--|
| Item | Part no. | Description |
| 01 | 4301000 | 3/8" Tee - brass |
| 02 | 4302000 | 3/8" Pressure regulator |
| 03 | 4303000 | Pressure gauge |
| 04 | 4304000 | 3/8" Pressure regulator – high flow (optional) |
| 05 | 4305000 | Pressure gauge – high flow (optional) |
| 06 | 4306000 | Pressure relief valve |
| 07 | 4307000 | Filter cover for 1 or 2 users HAF |
| 08 | 4308000 | Filter cover for 1-6 users HAF (optional) |
| 09 | 4309000 | Outlet manifold for 1-6 users (optional) |
| 10 | 4310000 | Filter housing |
| 11 | 4311000 | O-ring (set of 2) |
| 12 | 4312000 | Bolt (set of 4) |
| 13 | 4313000 | Base / Wall mount |
| 14 | 2175200 | CCC-38/I Quick coupling 1 or 2 users |
| 15 | 2174200 | CCC-38/O Quick coupling for 1-6 users |
| 16 | 2225500 | Hex nipple 1" |
| 17 | 4250401 | Filter cartridge for HAF |
| 18 | 2170400 | KAG-10 Quick coupling 1"outer thread |
| 19 | 4316000 | Drain valve - brass |

Delivery includes

HAF Assembly, pressure regulator, pressure relief valve, bracket for stand or wall mount, drain valve and filter cartridge.







| Helmet Air Hose - Optional | | |
|----------------------------|--|--|
| Part no. | Description | |
| 2527000 | Helmet Air Hose $\frac{3}{6}$ " - 9 mm ID (9 x 16), 10 bar working pressure | |
| 2527400 | Helmet Air Hose $\frac{3}{6}$ " - 9 mm ID (9 x 16), 10 bar working pressure, coupled 5 meters | |
| 2527500 | Helmet Air Hose 3/8" - 9 mm ID (9 x 16), 10 bar working pressure, coupled 20 meters | |
| 2527700 | Helmet Air Hose $\frac{3}{8}$ " - 9 mm ID (9 x 16), 10 bar working pressure, coupled 40 meters | |



Air Filter Cartridges

The AFC-B100 and AFC-C100 Air Filter Cartridges will fit into many brands of Air Filter Units available on the market. AFC-B100 fits into Airblast/Bullard and AFC-C100 fits into Clemco Helmet Air Filters.

Increased Filter Life

Both Air Filter Cartridges can offer increased filter life with the use of Quality filtration materials. Greater material surface area provides increased absorption of oils, water and odours. The natural fibre felt swabs very efficiently absorbs oil from the air stream allowing the compressed air to flow through to the further stages of moisture and odour removal.

Quality Materials

The highest quality filtration materials which are manufactured to exacting standards have been chosen for the above Air Filter Cartridges to ensure the most efficient and effective filtration.

No Corrosion

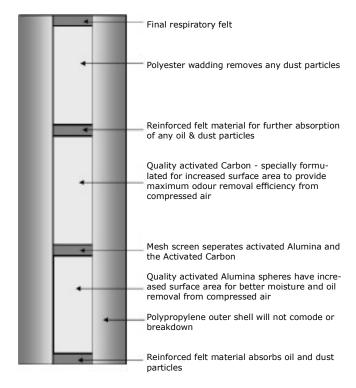
The AFC-B100 and AFC-C100 Air Filter Cartridges are injection moulded polypropylene which will not corrode or collapse like the tin alternatives.

!WARNING! These filter cartridges does not remove carbon monoxide (CO). Carbon Monoxide alarms must be used at all times.



AFC-B100 AFC-C100

| ORDERING INFORMATION | |
|----------------------|-------------|
| Part no. | Description |
| 4250401 | AFC-B100 |
| 4097802 | AFC-C100 |



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AIRBLAST

PX4 Air Belt for NOVA 1 & NOVA 3

Not for every blasting application compressed air is required for the supply of breathing air to the blasting helmet. The PX4 can be used if enough clean ambient air is available, for example outside blasting work, façade restoration, soda blasting, etc. the PX4 can be used. The PX4 is also suitable for operators in the blasting area that need mobility such as a supervisor or pot tender.

The PX4 optimizes user safety, comfort and portability. It is CE certified and exceeds the requirements of AS/NZS, so the user can enjoy the safety of clean breathing air without the restriction of attached airlines, giving them complete flexibility to move around as their job requires.

The PX4 Air Belt assembly consists of a motor/blower unit, high efficiency filter, waist belt and lithium ion battery pack. The motor/blower unit draws ambient air through its high efficiency filter and supplies air to the headgear through a breathing tube.

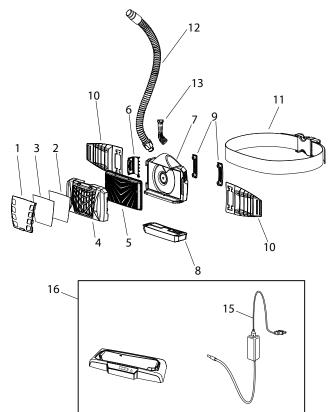


The ultra-efficient multi-speed fan draws air through the air inlet scallops, then through an optional spark arrestor which eliminates any sparks, the air then continues through the pre filter which removes large particles to enhance the life of the cartridge. It is then circulated through the high efficiency cartridge providing you with clean, breathable air.



| ORDERING INFORMATION | | |
|----------------------|----------|------------------------|
| Item | Part no. | Description |
| | 4320030 | PX4 Air Belt, complete |

| PX4 AIR BELT - Parts List | | |
|---------------------------|----------|---|
| Item | Part no. | Description |
| 01 | 4320035 | Door cover |
| 02 | 4320040 | Pre-filter (pack of 10) |
| 03 | 4320041 | Spark arrestor |
| 04 | 4320036 | Filter door |
| 05 | 4320031 | High efficiency filter |
| 06 | 4320034 | Door latch kit |
| 07 | 4320032 | Fan housing |
| | 4320033 | Fan housing - low flow |
| 08 | 4320051 | Battery |
| 09 | 4320043 | Belt loops kit |
| 10 | 4320044 | Belt support (pair) |
| 11 | 4320038 | 2" Belt & nylon buckle |
| | 4320039 | 2" Nomex® belt and acetyl buckle |
| 12 | 4320037 | Air breathing tube for NOVA 1 & NOVA 3 |
| 13 | 4320042 | Flow meter |
| 14 | 4320050 | Battery charger |
| 15 | 4320049 | 24 Volt power supply with power cord |
| 16 | 4320045 | Battery charger and power supply kit - EU |
| | 4320046 | Battery charger and power supply kit - UK |
| | 4320047 | Battery charger and power supply kit - AU |
| | 4320048 | Battery charger and power supply kit - US |





Climate Control Tubes

The Airblast Climate Control Tube for cold air cools compressed breathing air coming into respirators by as much as 18 °C). The Airblast Climate Control Tube for hot air warms compressed breathing air coming into respirators by as much as 17 °C). Both tubes helps maximize worker comfort and increase productivity in cold or hot climates.

The Airblast Climate Control Tubes are fitted with an airflow regulator that allows the user to adjust the outgoing air temperature to suit their requirements. All components of the tube are replaceable and the unit can be disassembled for cleaning and maintenance.

The Airblast Climate Control Tubes are manufactured from non toxic engineering plastic which is extremely robust and ideal for the rigors of the workplace.

- All parts are easily removable for maintenance and cleaning
- Tough engineering plastic designed for harsh conditions
- Regulator to control air temperature and airflow
- Strong webbed belt

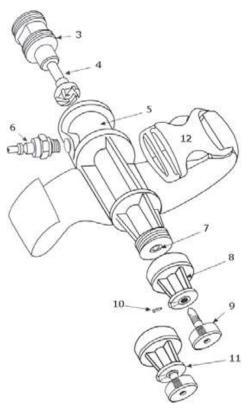
Both models fits to breathing tube of Astro, NOVA, NOVA 1 and NOVA 3 abrasive blasting helmets.





| ORDERING INFORMATION | | |
|-----------------------|---|--|
| CLIMATE CONTROL TUBES | | |
| Part no. Description | | |
| 4320010 | Cold Air Tube assembly | |
| 4320011 | Hot Air Tube assembly | |
| 4045000 | Adaptor to connect to other brand helmets | |

| Item | Part no. | Description |
|------|----------|----------------------------|
| 3 | 4320012 | Top spinner cap |
| 4 | 4320013 | Air spinner |
| 5 | 4320014 | Body |
| 6 | 4320015 | Quick disconnect tail 1/4" |
| 7 | 4320016 | Breaker |
| 8 | 4320017 | Regulator body |
| 9 | 4320018 | Spindle & knob |
| 10 | 4320019 | Locking screw |
| 11 | 4320020 | Regulator assembly |
| 12 | 4703400 | Belt |



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AIRBLAST

Vortex Air Conditioner

The VORTEX Air Conditioner is designed to keep workers wearing air purifying systems comfortable in both hot or cold working conditions using only one device.

The VORTEX is using breathable compressed air to reach temperature ranges up to 20°C cooler or warmer than the inlet temperature.

The VORTEX Air Conditioner is suitable for use in combination with the Extreme blasting helmet.

Specifications

Materials : Aluminium
Weight : 400 gram
Working pressure : 4,5 bar

Performance : 20°C difference cold or warm

Minimum airflow : 160 l/min. (at 4,5 bar dynamic pressure)
Maximum airflow : 350 l/min. (at 4,5 bar dynamic pressure)

Inlet airflow : 900 l/min max.

 $\begin{array}{lll} \mbox{Min. working temp.} & : -10\mbox{°C} \\ \mbox{Max. working temp.} & : +60\mbox{°C} \\ \mbox{Noise level at 5,5 bar} & : 90\mbox{ dB} \\ \mbox{Max. hose length} & : 50\mbox{ mtr.} \\ \end{array}$

| ORDERING INFORMATION | | |
|------------------------|--------------------------------|--|
| VORTEX AIR CONDITIONER | | |
| Part no. | Part no. Description | |
| 4046100 | Vortex Air Conditioning System | |





GX4 Gas Detection Monitor

As you know, compressed breathing air can create a deadly environment. Do you have an intelligent gas monitor which can give you complete confidence in the air you and your employees are breathing? The GX4 is your solution.

Gases like Carbon Monoxide are invisible to all the human senses, yet are commonly found in industrial premises' worldwide. While low level carbon monoxide exposure may not be immediately fatal to employee's, ongoing contact with the gas at low levels has a cumulative effect, causing serious illness and health concerns for employee's long term. With symptoms often confused with the flu, headaches or tiredness, it's a serious problem which is often too easily ignored.

APPLICATIONS:

- · Spray painting.
- · Blasting and confined space application.
- · Chemical handling.
- And many more.

FEATURES:

- Illuminated information display for viewing real time data.
- 103 decibel alarm. This can also be used in conjunction with auxiliary warning devices such as strobe lights.
- Monitor up to four gases simultaneously.
- Strong purpose built case, made from from reinforced polypropylene it is designed for the harshest of conditions.
- · Cartridges can be easily replaced.
- Sturdy mounting bracket for attaching the GX4 to walls or HAF Helmet Air Filter.
- Universal power options for running the GX4 or charging it's internal battery.
- If you are working remotely to the GX4 you can connect a strobe light or strobe light and alarm.
- Complete quick and easy calibration checks with no set points required.
- A range of pre-calibrated gas sensors are available including CO (carbon monoxide), O₂ (oxygen) and H₂S (hydrogen sulfide) and all have a 2 year shelf life.
- Connect from your laptop, tablet, phone or a network to view real time data, download logs and much more.
- Optional robust carry case.





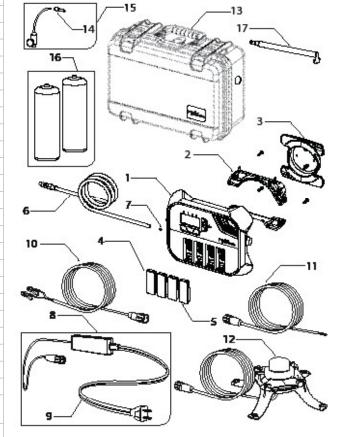
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GX4 Gas Detection Monitor

| GX4 GAS MONITOR | | |
|-----------------|--|--|
| Part no. | Description | |
| 4420000 | GX4 Gas Detection Monitor with mounting brackets including: - 1 x Carbon monoxide sensor cartridge - 1 x EU Power cord - 1 x Air hose to connect the unit to the filter | |
| 4421000 | GX4 Gas Detection Monitor with mounting brackets including: - 1 x Carbon monoxide sensor cartridge - 1 x UK Power cord (for use in the Middle East) - 1 x Air hose to connect the unit to the filter | |
| 4422000 | GX4 Gas Detection Monitor with mounting brackets including: - 1 x Carbon monoxide sensor cartridge - 1 x USA Power cord - 1 x Air hose to connect the unit to the filter | |
| 4423000 | GX4 Gas Detection Monitor with mounting brackets including: - 1 x Carbon monoxide sensor cartridge - 1 x AU/NZ Power cord - 1 x Air hose to connect the unit to the filter | |

| GX4 GAS MONITOR - Parts List | | |
|------------------------------|----------|---|
| Item | Part no. | Description |
| 01 | 4420010 | GX4 Gas Detection Monitor |
| 02 | 4420011 | Mounting brackets (pair) |
| 03 | 4420012 | Wall mounting bracket |
| 04 | 4420013 | Carbon monoxide sensor 10ppm |
| | 4420014 | Carbon monoxide sensor 5ppm |
| 05 | 4420015 | Blank cartridge |
| 06 | 4420016 | Air supply hose & one touch connector |
| 07 | 4420017 | M5 Inlet filter, sintered brass |
| 08 | 4420018 | AC Adaptor and power cord - EU |
| | 4420019 | AC Adaptor and power cord - UK |
| | 4420020 | AC Adaptor and power cord - USA |
| | 4420021 | AC Adaptor and power cord - AU/NZ |
| 09 | 4420022 | Power cord - EU |
| | 4420023 | Power cord - UK |
| | 4420024 | Power cord - USA |
| | 4420025 | Power cord - AU/NZ |
| 10 | 4420026 | Battery clips with 1.8 mtr cable |
| 11 | 4420027 | AUX Cable, bare 15 mtr |
| 12 | 4420028 | AUX Strobe light with 15 mtr cable |
| | 4420029 | AUX Strobe light w/alarm and 15 mtr cable |
| | 4420030 | AUX Field install jack |
| | 4420031 | Power field install jack |
| 13 | 4420032 | Heavy duty field case |
| 14 | 4420033 | Calibration adaptor |
| 15 | 4420034 | Calibration regulator kit 1.5 slpm, incl. item 14 |
| 16 | 4420035 | 34L Zero air and 20ppm CO cylinders |
| | 4420036 | Grade D calibration kit (CO2,CO,O2,N2) |
| 17 | 4420037 | Manifold tube |





Blast Lights (LED) 12V / 24V

Airblast Blast Lights are developed to meet the demand for an easy to use, lightweight, low voltage abrasive blasting light.

Features:

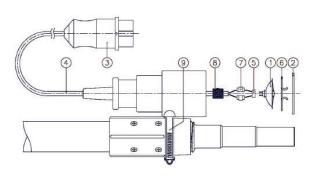
- Highly concentrated output of halogen/LED light, the unit fully illuminates the area on which blasting is taking place.
- Safe to use works with 12 or 24 volt power supply and there's no glass to break - a cheap, strong and easily replaceable plastic lens is used at the front of the unit.
- No light spill or dazzle by using a special bulb and tube fitting, the light is concentrated only on the work area and all back dazzle is eliminated.
- Free to work because the unit is clamped directly on the blast nozzle fitting, the operator has both hands free to operate the blast equipment.
- The blast light can be used alongside all existing deadman handles.

To back up the light, a suitable fully rubber housed transformer is available to connect to a 220 volt 50 hz line, giving a 12 volt output to upto 4 separate sockets for up to 4 lights. Other executions are available on request.



| ORDERING INFORMATION | | |
|----------------------|--|--|
| BLAST LIGHT ABKR | | |
| 5010800 | ABKR-12/20 Blast Light 12 Volt/20 Watt incl. 12 Volt halo bulb, 5 m cable (2 x 0.75 mm²) and CEE-Connector (Male). | |
| 5010100 | ABKR-24/20 Blast Light 24 Volt/20 Watt incl. 24 Volt halo bulb, 5 m cable (2 x 0.75 mm²) and CEE-Connector (Male). | |
| 5016000 | ABKR-12/4 Blast Light 12 Volt/4 Watt incl. 12 Volt LED bulb, 5 m cable (2 x 0.75 mm²) and CEE-Connector (Male). | |

| SPARI | SPARE PARTS | | |
|-------|-------------|--|--|
| Item | Part no. | Description | |
| 1 | 5010700 | Halogen bulb 12 Volt / 20 Watt | |
| | 5010200 | Halogen bulb 24 Volt / 20 Watt | |
| | 5016500 | LED bulb 12 Volt / 4 Watt | |
| 2 | 5010300 | Lens | |
| 3 | 5010400 | CEE Connector, 2 poles, 16A - Male | |
| 4 | 5009500 | Cable (2 x 0.75 mm²), black rubber, RWPK H05RN-F | |
| | 5010500 | Cable (2 x 1.50 mm²), black rubber, RWPK H05RN-F | |
| | 5012000 | Cable (2 x 1.50 mm²), neoprene, NWPK H07RN-F | |
| 5 | 5012100 | Fitting | |
| 6 | 5012200 | Spring clip | |
| 7 | 5012300 | Cable connector | |
| 8 | 5012400 | Rubber plug | |
| 9 | 5012500 | Clamp | |
| | 5012600 | Bolt (not shown) | |
| | 5010600 | CEE Connector, 2 poles, 16A - Female (not shown) | |



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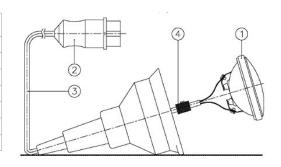
ALPRIAST

Blast Lights

| ORDERING INFORMATION | | | | |
|----------------------|---|--|--|--|
| BLAST LIGHT HALO | | | | |
| 5011000 | HALO-24/100 BLAST LIGHT 24 Volt / 100 Watt with ON/OFF-Switch, Full Rubber housing with reflector. Incl. halogen bulb, 5 m cable (2 x 1.5 mm^2) and CEE Connector (M) * Also available in 12 Volt and 42 Volt execution. | | | |
| 5020000 | HALO-24/100 BLAST LIGHT 24 Volt / 100 Watt. Full Rubber housing with reflector. Incl. halogen bulb, 5 m cable (2 \times 1.5 mm²) and CEE Connector (M). | | | |



| SPARE PARTS | | | | | |
|-------------|----------|--|--|--|--|
| Item | Part no. | Description | | | |
| 1 | 5011100 | Bulb 24 Volt / 100 Watt | | | |
| 2 | 5010400 | CEE Connector 24V / 16A (M) | | | |
| 3 | 5012000 | Cable (2 x 1.50 mm²), neoprene, NWPK H07RN-F | | | |
| | 5013000 | Cable (2 x 2.50 mm²), neoprene, NWPK H07RN-F | | | |
| 4 | 5012700 | Rubber plug | | | |
| | 5010600 | CEE Connector, 2 poles, 16A - Female (not shown) | | | |



| TRANSFORMERS FOR 24V BLAST AND FLOOD LIGHTS. Incl. 3 m (2 \times 1.5 mm2) Grounded cable and 24 Volt 16A CEE Output (Female) - Full rubber housing. Thermal Safeguard against overload. | | | | |
|---|---|--|--|--|
| 5011500 | TRANS MINI - 220V / 24V 120VA - 1 x 24 Volt / 16A CEE output (F) | | | |
| 5011600 | TRANS-MIDI - 220V / 24V 225VA - 2 x 24 Volt / 16A CEE-output (F) | | | |
| 5030100 | TRANS I/1 - 220V / 24V 500VA - 1 x 24 Volt / 16A CEE output (F) | | | |
| 5030200 | TRANS I/2 - 220V / 24V 500VA - 2 x 24 Volt / 16A CEE output (F) | | | |
| 5030300 | TRANS I/3 - 220V / 24V 500VA - 3 x 24 Volt / 16A CEE output (F) | | | |
| 5030400 | TRANS I/4 - 220V / 24V 500VA - 4 x 24 Volt / 16A CEE output (F) | | | |
| 5030500 | TRANS II/2 - 220V / 24V 1000VA - 2 x 24 Volt / 16A CEE output (F) | | | |
| 5030600 | TRANS II/3 - 220V / 24V 1000VA - 3 x 24 Volt / 16A CEE output (F) | | | |
| 5030700 | TRANS II/4 - 220V / 24V 1000VA - 4 x 24 Volt / 16A CEE output (F) | | | |





L4 Blast Light Kit NOVA 3

As you know, blasting in the dark is awkward and dangerous. How can you ensure your workers have enough light to clearly see what they are doing? The L4 Lighting System is your solution, as it provides a steady, highly concentrated output of light to your field of vision.

The L4 Lighting System was developed to overcome the global need for light to assist blasters in tanks and other confined spaces where there is hardly light. It mounts securely to the top of the Nova 3 Blast Helmet, providing light wherever the operator looks.

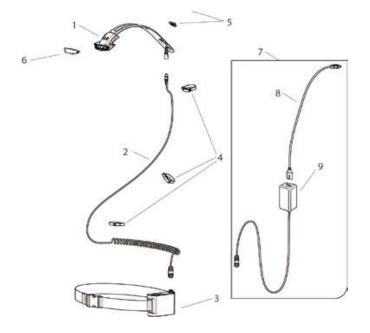
FEATURES:

- Manufactured with durable, long lasting materials.
- Mounts directly to the Nova 3 with no modification required.
- Long lasting Li-ion battery provides up to 12 hours on a single charge.
- · Batteries recharge in 3-4 hours.
- Light-weight battery pack that mounts on your belt.
- Field-replaceable outer lens.
- Efficient, high powered LEDs producing up to 500 lumens of concentrated light output.
- Comes with 5 pre-set brightness settings.



| L4 BLAST LIGHT KIT | | | | |
|--------------------|----------|---------------------------|--|--|
| Item | Part no. | Description | | |
| | 4904000 | L4 Blast Light Kit NOVA 3 | | |

| L4 BL | L4 BLAST LIGHT KIT - Parts List | | | | |
|-------|---------------------------------|---|--|--|--|
| Item | Part no. | Description | | | |
| 01 | 4904100 | Light w/strap & mount unit (includes 4904200) | | | |
| 02 | 4904200 | Light cable | | | |
| 03 | 4904300 | Light battery pack and belt | | | |
| 04 | 4904400 | Cable/hose clips | | | |
| 05 | 4904500 | Light mounting clips | | | |
| 06 | 4904600 | Light outer lens (pack 10 pcs) | | | |
| 07 | 4904700 | Battery charger | | | |
| 08 | 4420022 | Power cord - EU | | | |
| | 4420023 | Power cord - UK | | | |
| | 4420024 | Power cord - USA | | | |
| | 4420025 | Power cord - AU/NZ | | | |



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AIRBLAST

Blasting & Painting Clothing

Overall

The Airblast Blasting Overall has been designed to enhance worker comfort and protect the worker from abrasive rebound.

The heavy duty blasting overalls are fitted with leather reinforced fronts of the sleeves & legs and have leather elbow pieces and a leather neck collar. The front can be closed by a double flap with velcro. The sleeves and legs can be closed with Velcro straps.

- CE certified
- Leather protection pieces
- Double velcro closures
- Comfortable fit

Leather blouse & gloves

Leather blasting blouse & gloves for optimum protection.

Cotton clothing

Cotton comfort blouse, trouser and hood to provide protection from dust and spray.



| | ORDERING INFORMATION | | | |
|---------------------------|---------------------------------------|--|--|--|
| LEATHER / COTTON OVERALLS | | | | |
| Part no. | Part no. Description | | | |
| 4053700 | LO-50, small | | | |
| 4053600 | LO-52, medium | | | |
| 4053500 | LO-54, large | | | |
| 4053400 | 4053400 LO-56, extra large | | | |
| 4053300 | 4053300 LO-58, extra extra large | | | |
| 4053200 | 053200 LO-60, extra extra extra large | | | |

| LEATHER G | GLOVES | |
|-----------|---------------|--|
| Part no. | Description | |
| 4047000 | G-L/90 (pair) | |

| LEATHER BLOUSE | | |
|-------------------------------------|----------------------|--|
| Part no. | Part no. Description | |
| 4054100 Leather blouse - heavy duty | | |

| COTTON CLOTHING | | |
|-----------------|------------------------------|--|
| Part no. | Part no. Description | |
| 4054000 | otton blouse - heavy duty | |
| 4055000 | Cotton trousers - heavy duty | |
| 4053300 | 4053300 Cotton comfort hood | |



Cool Vest

Airblast's revolutionary Cool Vest technology offers unparalleled cooling power. Unlike ice or gel packs that steadily lose their effectiveness. Airblast Cool Vests will remain at a CONSTANT 13° C / 55° F. for hours of cooling. The Cool Vest can help reduce the chance of heat-related illnesses that sometimes occur in today's difficult work environments.

Airblast Cool Vest: lightweight, quickly recharged, no condensation, and constant temperature. Uses a simple, interchangeable, front/back cool pack system that provides continuous cooling to the worker's upper body. The vests are easily adjustable for maximum comfort and flexibility.

Airblast Cool Vest provides:

- Worker Comfort
- Heat Stress Avoidance
- Improved Productivity by 22%
- Engineered to maintain a constant 13° C / 55° F
- Over 2 hours of cooling duration at 32° C / 90°F
- Ergonomic design and fully adjustable for practical in-the-field ease of use
- Recharge in 20 minutes

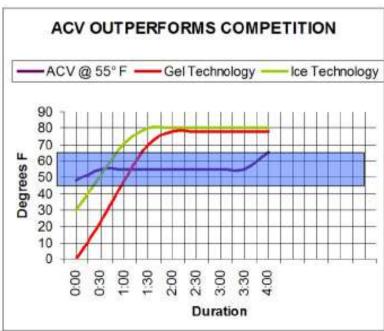


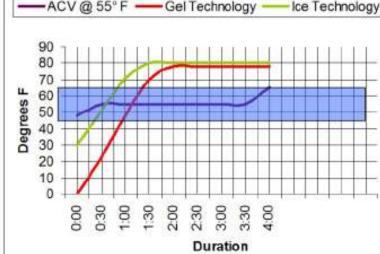
The ACV 2 provides cooling for approximately 2½ hours. The period of cooling depends solely on work activity and environmental conditions. Vest material is flame retardant. Fits medium to large sizes. Weight: 2.9 kg. (6.5 lbs.)



No waiting. No down time. Keep extra cool packs ready for instant on-site changes. The cooling agent within the pack is a safe, non-toxic, and non-carcinogenic formulation. Cool packs may be re-energized thousands of times providing hours of safe, controlled body temperature management. Placed in a cooler of ice water, the cool packs will fully recharge in approximately 20 minutes. However, ice water is not necessary as the phase change technology actually begins recharging the packs whenever they are placed in an environment that is cooler than 13° C / 55° F.





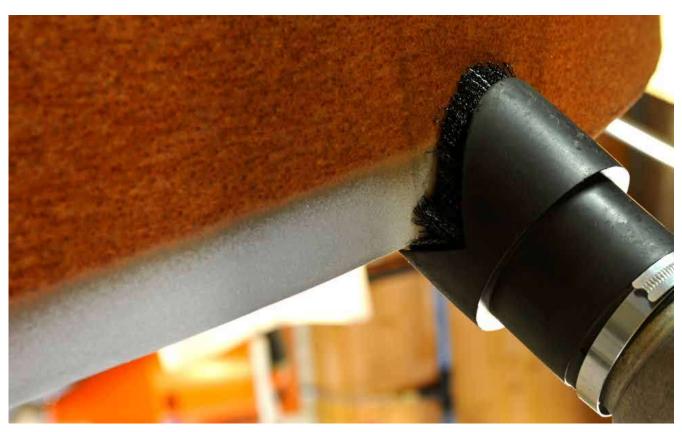


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Section 5 - Dust Free

| Product | Page |
|---|------|
| Aquastorm abrasive wet blasting system | 112 |
| Aquablast wetblast attachment | 113 |
| WIN Water injection nozzles | 114 |
| Educt-O-Matic portable dust free vacuum blaster | 115 |
| AB-1020 EP Dust free vacuum blast machine | 118 |
| AB-1030 EP/PN Dust free vacuum blast machine | 119 |
| AB-1050 EP/PN Dust free vacuum blast machine | 120 |
| AB-1060 EP/PN Dust free vacuum blast machine | 122 |
| AB-1070 EP/PN Dust free vacuum blast machine | 124 |
| AB-61 Vacuum injection blast cabinet | 126 |
| AB-90 Vacuum injection blast cabinet | 127 |
| ABDI-1000 Vacuum injection blast cabinet | 128 |
| ABDI-1300 Vacuum injection blast cabinet | 129 |
| ABDI-1500 Vacuum injection blast cabinet | 130 |
| ABD-1000 Pressure blast cabinet | 131 |
| ABD-1300 Pressure blast cabinet | 132 |
| ABD-1500 Pressure blast cabinet | 133 |
| Blastrooms | 134 |
| UHP High Pressure Waterjetting | 136 |





Aquastorm - Wet Abrasive Blasting System

The Aquastorm system allows blasting at very low and very high pressure to accommodate changes in the surface being cleaned / blasted. In contrast to other blasting procedures this is fully adjustable allowing the operator to change from heavy blasting to gentle cleaning as the surface dictates.

The Aquastorm system handles industrial maintenance applications, such as cleaning or removing layers of concrete, removal of paint by layers, total coating removal to specified degree of cleanliness (white metal etc.) or removal of oxidized layers from steel, with ease. The system is also very effective in sensitive applications such as the petrochemical industry, where sparks or static electricity are prohibitive (by coating each particle of the blast medium with water, the system effectively eliminates this concern).

Another positive effect on ecology and economy, is a 95% dust reduction when using AquaStorm systems. This allows minimized or no containment, and no dust collectors or negative pressure. Further it allows complete and easy access around the entire structure being cleaned / blasted. There is also no need for air supplied hoods, meaning greater operator comfort, as well as public perception of the work being performed. The additional advantage of giving the operator full control of the machine at the blast nozzle by remote control allows for less laborers.

The Aquastorm system is available in a fully pneumatic execution as well as an electric/pneumatic version.

Advantages:

- Very low and very high blast pressures possible meaning any substrate can be blasted
- High coverage
- Consumption of blasting media reduced by up to 60% and very low consumption of water
- Minimized or no containment required
- Long service life of all parts subject to wear
- Dry blasting media not required (saves storage costs)
- Multiple use of blasting media is possible
- Can blast up to 250 m (800 ft.) in height
- Rust inhibitor injection available

Delivery includes:

- the complete blasting unit
- ATSDX 6/50 nozzle
- 20 mtr of 32 x 8 blast hose
- remote control system
- deadman handle
- 20 mtr. twin hose
- operator's manual
- export packaging

Other configurations available upon request.

The Aquastorm can be used is combination with a High Water Pressure (HWP) unit. This system is called the Turbojet system which is a high performance system.





| TECHNICAL SPECIFICATIONS AQUASTORM | | |
|--|------------------|--|
| | AquaStorm 200 | |
| Blast media capacity (ltr.) | 200 | |
| Blast hose connection (mm) | 32 | |
| Empty weight (kgs.) | 185 | |
| Dimensions in cm. (WxLxH) | 890 x 910 x 1380 | |
| Control pressure (bar) | 2 - 10 | |
| Required air input pressure (min max. in bar) | 4,0 - 8,0 | |
| Electric connection (Volt/Watt) | 12/1,2 | |
| Air connection (mm) | 38 | |
| Consumtion of blast media incl. ± 25% of water (min max. in ltr./min.) | 1,0 - 8,0 | |

^{*)} All mentioned values are averages and may vary due to surface conditions, machine use and experiences of the operator.

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Aquablast Wetblast Attachment

The Aquablast Wetblast Attachment is a practical add-on to dry blasting and eliminates about 80% of the dust without lowering blast efficiency. It is suitable for jobs where excessive dust is generated. When used to blast steel surfaces, a rust inhibitor is recommended. The inhibitor can be sprayed on the surface immediately after blasting or can be mixed in a water tank equipped with a pump and sprayed through the wetblast head during blasting.

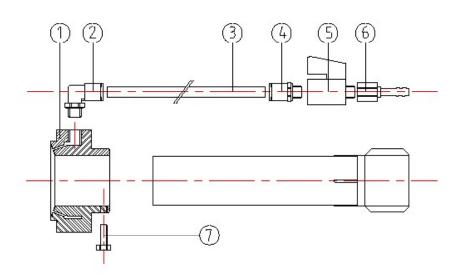
The Aquablast Wetblast Attachment head is equipped with locking screws for mounting on a nozzle, is mixing the water into the blast pattern just after air and abrasive leave the nozzle.

The uniform spray of the Aquablast Wetblast Attachment is achieved by six water jets which surround the nozzle and direct the water flow to a point in front of the nozzle. As the water hits the air/abrasive stream it atomizes to close in the abrasive particles. The water volume can be adjusted using the ball valve. The Aquablast Wetblast Attachment is used in combination with standard tap water or water pumps.



| ORDERING INFORMATION | | | |
|---|---|--|--|
| Part no. Description | | | |
| 5031000 AQUABLAST - WETBLAST ATTACHMENT, COMPLETE Includes water jacket, shut-off valve, flexible hose and pe | | | |
| 5031100 | AQUABLAST - WETBLAST ATTACHMENT, BARE Exclusive of petcock and hose | | |

| ARE PARTS AQUABLAST WETBLAST ATTACHMENT | | | |
|---|----------|------------------------------|--------------|
| Item | Part no. | Description | Qty required |
| 1 | 5031500 | Water jacket | 1 |
| 2 | 5031601 | Elbow coupling 1/4" x 8 mm | 2 |
| 3 | 5031700 | Water hose 6 x 1 mm L-300 mm | 1 |
| 4 | 5031600 | Coupling 1/4" x 8 mm | 1 |
| 5 | 1152000 | Ball valve 1/4" | 1 |
| 6 | 2178900 | Hose barb incl. nut | 1 |
| 7 | 5031800 | Bolt | 3 |





WIN Water Injection Nozzles

Airblast high velocity venturi style nozzles have been designed specifically to give maximum blast cleaning rates, uniform abrasive distribution and efficiency over an extensive operating life. Through the venturi principle the air and abrasive mixture is accelerated as it exits the nozzle. Venturi nozzles increase productivity and reduce abrasive consumption with approximately 40% as compared to straight bore nozzles. Airblast offers a full selection of nozzles with different orifice diameters, sizes, and insert / jacket materials.

WIN Nozzle

The WIN (Water Injection Nozzle) system is a simple, cost effective solution for high production, wet abrasive blasting that can be used with your existing pressure blast equipment. The system can be used with water from a tap or with rust inhibitors supplied through any simple pump. No special equipment is required. The WIN system offers the highest performance possible in wet abrasive blasting technology.

| ORDERING INFORMATION | | | | |
|----------------------|---------------------------------|---------|--------|-------|
| Part no. | Description | Orifice | Lenght | Inlet |
| 2460000 | WIN-4/50 Water Injection Nozzle | 6,4 mm | 149 mm | 25 mm |
| 2461000 | WIN-5/50 Water Injection Nozzle | 7,9 mm | 158 mm | 25 mm |
| 2462000 | WIN-6/50 Water Injection Nozzle | 9,5 mm | 171 mm | 25 mm |
| 2463000 | WIN-8/50 Water Injection Nozzle | 12 mm | 227 mm | 25 mm |



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Educt-O-Matic Portable Dustfree Vacuum Blaster

The Educt-O-Matic is a light-weight, portable abrasive blasting tool with an integral abrasive recovery system. During blasting, abrasive is continually recycled, while dust and other debris are collected in a slip-on dust bag. Interchangeable adapter boots for level surfaces, corners, etc. fit over the swivel blast head to assure efficient recovery on any surface.

Advantages

- Constant cleaning of internal surface
- Cleaning with the highest speed possible
- Saving on time and abrasives
- Adjustable setup for the best cleaning speed
- Easy handling and no down-time
- Blast in only one drive through
- Adjustable for all kind of abrasive
- Very rigged construction
- Suitable for all kind of pipe internal diameters
- Semi-automatic, one operator can handle more machines or do other work



| ORDER | DRDERING INFORMATION | |
|----------|---|--|
| EDUCT-O | -MATIC ASSEMBLY | |
| Part no. | Description | |
| 3091000 | Educt-O-Matic includes attachment set with o round brush angle brush master adaptor 2" (50 mm) discharge hose plywood carry case | |

| EDUC | DUCT-O-MATIC SEPARATE ATTACHMENTS | | |
|------|-----------------------------------|-----------------------------------|--|
| Item | Part no. | Description | |
| A. | 3092000 | AE-2090 Edge attachment | |
| В. | 3093000 | AE-2091 Serrated attachment | |
| | 3093100 | AE-2091-1 Round brush (not shown) | |
| C. | 3094000 | AE-2092 Master adaptor | |
| D. | 3095000 | AE-2093 Angle attachment | |
| | 3095100 | AE-2093-1 Angle brush (not shown) | |
| E. | 3096000 | AE-2094 Flat lip attachment | |
| F. | 3097000 | AE-2095 Blank end | |



Educt-O-Matic Portable Dustfree Vacuum Blaster

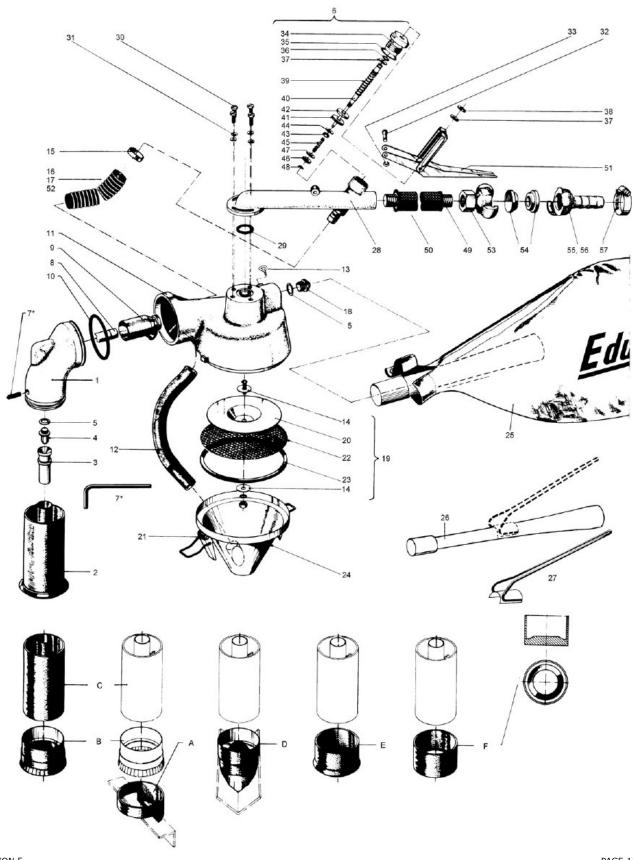
| EDUC | EDUCT-O-MATIC SPARE PARTS | | |
|----------------------------|---------------------------|--|--|
| Item | Part no. | Description | |
| 01. | 3098000 | AE-2001 Blast head | |
| 02. | 3099000 | AE-2002 Standard adaptor | |
| 03. | 3100000 | AE-2004 %" (9 mm) nozzle – TC | |
| 04. | 3102000 | AE-2006 Blast jet | |
| 05. | 3103000 | AE-2007 Jet gasket | |
| 06. | 3103100 | AE-2008Valve assembly | |
| 07. | 3104000 | AE-2005 Thumb screw | |
| 08. | 3105000 | AE-2011 Blast head nipple 3/8"x41/4" (9 x 108mm) | |
| 09. | 3106000 | AE-2012 Swivel connector | |
| 10. | 3107000 | AE-2013 O-ring | |
| 11. | 3108000 | AE-2014 Main body | |
| 12. | 3109000 | AE-2016 Abrasive hose | |
| 13. | 3110000 | AE-2018 Thumb screw | |
| 14. | 3110500 | AE-2019 Baffle washer | |
| 15. | 3111000 | AE-2020 Hose clamp | |
| 16. | 3112000 | AE-2021 Air hose | |
| 17. | 3112500 | AE-2021-1 Spring for air hose | |
| 18. | 3113000 | AE-2022 Suction jet | |
| 19. | 3114000 | AE-2068-1 Sreen assembly | |
| 20. | 3115000 | AE-2023 Baffle (plastic only) | |
| 21. | 3344000 | AE-2027 Locking device | |
| 22. | 3116000 | AE-2068 Screen | |
| 23. | 3117000 | AE-2030 Screen gasket | |
| 24. | 3118000 | 0 AE-2069 Abrasive container w/lock and hose | |
| 25. | 3119000 | AE-2035 Dust bag | |
| 26. | 3120000 | AE-2032-1 Ejector pipe | |
| 27. | 3120100 | AE-2032-1 Dust bag holder | |
| 28. | 3121000 | AE-2042 Valve body | |
| 29. 3122000 AE-2036 O-ring | | AE-2036 O-ring | |

| EDUCT | EDUCT-O-MATIC SPARE PARTS | | | | |
|-------|---------------------------|----------------------------------|--|--|--|
| Item | Part no. | Description | | | |
| 30. | 3122100 | AE-2038 Screw | | | |
| 31. | 3122200 | AE-2039 Washer | | | |
| 32. | 3122800 | AE-2043 Handle pin | | | |
| 33. | 3122900 | AE-2044 Snap ring | | | |
| 34. | 3123000 | AE-2045 Valve bushing | | | |
| 35. | 3124000 | AE-2046 Valve bushing gasket | | | |
| 36. | 3125000 | AE-2047 O-ring (neoprene) | | | |
| 37. | 3126000 | AE-2048 Washer | | | |
| 38. | 3127000 | AE-2049 Snap ring | | | |
| 39. | 3128000 | AE-2050 Primary valve spring | | | |
| 40. | 3129000 | AE-2051 Valve stem | | | |
| 41. | 3130000 | AE-2052 Primary valve seat | | | |
| 42. | 3131000 | AE-2053 Guide washer brass | | | |
| 43. | 3132000 | AE-2054 Hex nut | | | |
| 44. | 3133000 | AE-2055 Washer brass | | | |
| 45. | 3134000 | AE-2056 Second valve spring | | | |
| 46. | 3135000 | AE-2057 Second valve seat | | | |
| 47. | 3137000 | AE-2059 Washer - brass | | | |
| 48. | 3138000 | AE-2060 Snap ring | | | |
| 49. | 3140000 | AE-2061 Pipe nipple | | | |
| 50. | 3141000 | AE-2083 Rubber tube | | | |
| 51. | 3142000 | AE-2065 Valve handle assembly | | | |
| 52. | 3143000 | AE-2070 Swivel nut assembly | | | |
| 53. | 2162900 | KIG-12 Coupling with F thread | | | |
| 54. | 2164000 | CQG-0 Rubber gasket | | | |
| 55. | 2168400 | SKG-19 Coupling w/hose barb 3/4" | | | |
| 56. | 2168200 | SKG-13 Coupling w/hose barb 1/2" | | | |
| 57. | 2172300 | HS-32 Hose clamp | | | |
| 58. | 3147000 | AE-2120 Plywood carrycase | | | |

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Educt-O-Matic Portable Dustfree Vacuum Blaster





AB-1020 EP Dust Free Vacuum Blast Machine

This compact electric-pneumatic driven injection vacuum blasting machine with an average blasting pattern of 16 mm width, is excellent to apply for blast cleaning weld seams, spot blasting of smaller areas, inspection and repair of engines and machinery overhaul, bodywork on vehicles.

Features

- "Stand alone" unit includes automatic dust extraction and abrasive recycling system
- Quickly interchangeable blast head fittings to blast different surface shapes
- Fully pneumatic
- Allows blasting from 3 6 bar)
- Maximum hose length of 5 meters
- · Easy injection blast principle

Benefits

- · Totally dust free environmentally friendly blasting
- Other job site operations can be conducted close to the blasting area
- Zero dust contamination on the job site
- Many common shapes can be blasted with ease
- · Low operation cost due to the use of recyclable abrasive
- Flexible and versatile

Applications:

- Cleaning of paint work
- Removal of floor coatings
- Roughening of various surfaces
- Cleaning of welds
- · Decorative blasting of glass
- Cleaning and roughening of marble, granite and stone



| TECHNICAL SPECIFICATIONS AB1020 | | | | |
|------------------------------------|----------------------|--|--|--|
| | Electrical pneumatic | | | |
| Blast media capacity (ltr.) | 9 | | | |
| Max. hose length (mtr.) | 5 | | | |
| Empty weight (kgs.) | 25 | | | |
| Dimensions in cm. (W x L x H) | 41 x 53 x 93 | | | |
| Max. working pressure (bar) | 6 | | | |
| lax. air consumption (ltr/min.) | 480 | | | |
| lectric power (Watt) | 1000 | | | |
| lectric current (Volts) | 230 | | | |
| verage widht of blast pattern (mm) | 15-17 | | | |
| lax. abrasive size in mm. | 1.0 (18 mesh) | | | |

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AB1030 EP/PN Dust Free Vacuum Blast Machine

All the Airblast vacuum blasting machines are designed to provide closed-system blasting by making the blasthead a small "containment structure". This speeds the job along, whether you are doing large-scale cleaning, or just spot blasting.

The removed coating and corrosion, plus the spent abrasives, are all deposited into a closed waste compartment. The air is filtered before it's exhausted. So the entire operation is virtually dustfree and safe for your crew and the environment.

The 1030 model is the most portable model of the range of Airblast Vacuum Blasting units. It is very well suited for cleaning small areas, and for weld preparation.

Rather than using a pressure blast vessel, the blast media is "lifted" from the machine by a vacuum generated at the blasthead, blasted onto the surface being cleaned and then vacuumed back into the unit for dust removal and reuse.

The recovery vacuum generator for this model is available in a pneumatic as well as an electric execution. The electric powered model is used in situations where the available compressed air source is limited.



Applications:

- Cleaning of paint work
- Removal of floor coatings
- Roughening of various surfaces
- Cleaning of welds
- · Decorative blasting of glass
- Cleaning and roughening of marble, granite and stone

| TECHNICAL SPECIFICATIONS AB1030 | | | | |
|--|----------------------|---------------|--|--|
| | Electrical pneumatic | Pneumatic | | |
| Blast media capacity (ltr.) | 17 | 17 | | |
| Max. hose length (mtr.) | 5 | 5 | | |
| Empty weight (kgs.) | 34 | 34 | | |
| Dimensions in cm. (W x L x H) | 41 x 53 x 114 | 41 x 53 x 132 | | |
| Max. working pressure (bar) | 6 | 7 | | |
| Recommended compressor size (ltr/min.) | 1.000 | 2.300 | | |
| Electric power (Watt) | 1.700 | - | | |
| Electric current (Volts) | 220/240 | - | | |
| Average widht of blast pattern (mm) | 20-22 | 20-22 | | |
| Max. abrasive size in mm. | 1 (18 mesh) | 1 (18 mesh) | | |

Vacuum blasting machine AB1030 EP/PN (suction system) - Delivery includes:

- the complete blasting unit
- 5 m blast hose set consisting of a blast gun with 10mm BC blast nozzle
- grit supply hose
- 2" vacuum hose
- air connector
- 5 meter of electricity cable incl. plug (230V) for the EP version
- 3 standard brushes (brush flat, brush 90° inner corner and brush 90° outer corner)
- operator's manual
- export packaging

Machine options and accessories:

*) Pneumatic filter cleaning system. Beside the standard flat and corner brushes are special shaped brushes available.



AB-1050 EP/PN Dust Free Vacuum Blast Machine

This fully pneumatically driven injection blasting machine with an average blasting pattern of 28-32 mm width is similar as the electric-pneumatic version, often used for blasting the heavier weld seams, grit blasting axes and cylinder shafts, larger machine parts before inspection and repair, shipbuilding, railway industry and maintenance, engines and engine overhaul, bodywork of vehicles and trailers, container overhaul, storage tank and vessel construction. Due to the absence of necessity of an electric power supply, this machine is ideally suited for mobile applications on location 'in the field' and minor repair work on larger projects and removing graffiti. Available in fully pneumatic and electro-pneumatic version.

Features

- "Stand alone" unit includes automatic dust extraction and abrasive recycling system
- Quickly interchangeable blast head fittings to blast different surface shapes
- Fully pneumatic
- Allows blasting from low to high pressure (1 7 bar)
- Maximum hose length of 5 meters
- Can be incorporated into an automatic on-line blasting process
- Easy injection blast principle

Renefite

- Totally dust free environmentally friendly blasting
- Other job site operations can be conducted close to the blasting area
- Zero dust contamination on the job site
- Many common shapes can be blasted with ease
- Low operation cost due to the use of recyclable abrasive
- Flexible and versatile



| | Abrasive type | Obtained surface quality | Average production capacity per hour |
|--|----------------------------------|--------------------------|--------------------------------------|
| STEEL SURFACE | | | |
| Corroded steel, shot primer, light coatings and millscale | Aluminium oxide, garnet | SA 2½ (SP10) | 1,2 - 1,5 m ² /hr. |
| Heavily corroded steel, heavy coatings, chlorinated rubber coating | Aluminium oxide, garnet | SA 2½ (SP10) | 0,5 - 1,0 m²/hr. |
| Steel weld seams | Aluminium oxide, garnet | SA 2½ (SP10) | 50 - 60 mtr./hr. |
| Stainless steel weld seams (decolourisation) | Glass beads | Polishing | 40 - 50 mtr./hr. |
| CONCRETE SURFACE | | | |
| Bricks, natural stones. Cement film, light coating or graffiti removal | Aluminium oxide, olivine sand | Cleaning | 1,5 - 2 m²/hr. |
| Removal of heavy coatings | Aluminium oxide, garnet | Removal of paint layer | 0,5 - 2 m²/hr. |
| Cleaning without damaging | Walnut shell, olivine sand | Cleaning | 1,0 - 2 m ² /hr. |

^{*)} All mentioned values are averages and may vary due to surface conditions, type of abrasive, abrasive quality, machine use and experiences of the operator. Do not use non recyclable abrasive or sand.

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AB-1050 EP/PN Dust Free Vacuum Blast Machine

| TECHNICAL SPECIFICATIONS AB-1050 | | | |
|--|----------------------|------------------|--|
| | Electrical pneumatic | Pneumatic | |
| Blast media capacity (ltr.) | 28 | 28 | |
| Max. hose length (mtr.) | 5 | 5 | |
| Empty weight (kgs.) | 70 | 68 | |
| Dimensions in Mm. (W x L x H) | 530 x 610 x 1320 | 530 x 610 x 1400 | |
| Max. working pressure (bar) | 7 | 7 | |
| Electric power (kW) | 3.000 | - | |
| Electric current (Volts) | 230 | - | |
| Recommended compressor size (ltr/min.) | 1.600 | 3.500 | |
| Average width blast pattern (mm) | 28/32 | 28/32 | |
| Max. abrasive size in mm. | 1.2 | 1.2 | |

Vacuum blasting machine AB-1050

Delivery includes:

- the complete blasting unit
- 5 m blast hose set consisting of a blast gun with 12 mm BC blast nozzle
- grit supply hose
- 2" vacuum hose
- air connector
- 3 standard brushes (brush flat, brush 90° inner corner and brush 90° outer corner)
- operator's manual in English
- export packaging

Machine options and accessories:

*) Pneumatic filter cleaning system. Beside the standard flat and corner brushes there are special shaped brushes available.



AB-1060 EP/PN Dust Free Vacuum Blast Machine

This model "pressure fed" vacuum blasting machine is available in various versions, which makes it able to choose the best suitable machine for the blasting job.

The AB-1060's design is mostly used for vacuum blasting with light and medium weight abrasives such as aluminium oxide, garnet, olivine sand, glass beads and plastics. With an average blasting pattern width of 50 mm, this machine is often used in the following applications; tank construction, heavy steel constructions, yacht and ship construction, weld cleaning and finishing, on- and offshore pipeline industry, thermal metallizing coating processes, rubber roll cladding, aircraft industry, maintenance at refineries, granite and natural stone works, concrete construction and overhaul, road markings and linings, polyester and glass fibre industry, rolling and colander industry (plastics, paper). Available in fully pneumatic and electro-pneumatic version.

Features

- "Stand alone" unit includes automatic dust extraction and abrasive recycling system
- Quickly interchangeable blast head fittings to blast different surface shapes
- Fully pneumatic or electric/pneumatic
- Blasting from low to middle pressure (1,5 5,5 bar)
- Can be incorporated into an automatic online blasting process

Benefits

- Totally dust free environmentally friendly blasting
- Other job site operations can be conducted close to the blasting area
- Zero dust contamination on the job site
- Many common shapes can be blasted with ease
- Low operation cost due to the use of steel abrasive
- Flexible and versatile



| Surface | Abrasive type | Abrasive size | Obtained surface quality | Average production capacity per hour |
|---|---|--------------------------|--------------------------|--------------------------------------|
| Steel: millscale, coatings and or corrosion | Alu-oxyde Chilled iron Steel grit | 0.8-1.2 mm. G17 / G24 | SA 2½ (SP10) | 4 - 6 m ² |
| Weld seams: steel | Alu-oxyde Chilled iron Steel grit | 0.8-1.2 mm. G17 / G24 | SA 2½ (SP10) | 70 - 80 mtr/hr. |

^{*)} All mentioned values are averages and may vary due to surface conditions, abrasive quality, machine use and experiences of the operator.

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AB-1060 EP/PN Dust Free Vacuum Blast Machine

| TECHNICAL SPECIFICATIONS AB-1060 | | | |
|--|----------------------------------|---|--|
| | Pneumatic Single Chamber (PN) | Electric/Pneumatic Single Chamber (EP) | |
| Blast media capacity (ltr.) | 40 | 40 | |
| Max. hose length (mtr.) | 30 | 10 | |
| Empty weight (kgs.) | 525 | 560 | |
| Dimensions in mm. (LxWxH) | 1570 x 750 x 1860 | 1570 x 750 x 1860 | |
| Working pressure (bar) | 1.5 - 5.5 | 1.5 - 5.5 | |
| Recommended compressor size (ltr/min.) | 3.500 - 7.000 | 3.500 | |
| Electric power (Kw) | - | 4.000 | |
| Electric current (V) | - | 400 | |
| Average width blast pattern (mm) | 50 - 75 | 50 - 75 | |
| Max. abrasive size (mm) | 1.5 | 1.5 | |
| Recommended abrasives | Alu-Oxyde | Alu-Oxyde | |

Vacuum blasting machine AB-1060

Delivery includes:

- 10m (EP), 15m (PN) hose set consisting of a blast hose, abrasive recovery hose, a double line control hose with trigger and all necessary hose connectors.
- Hardened aluminium blast head, a blast head inner tube flat, a blast head inner tube 90 and a 6,4 mm boron carbide nozzle.
- Set of standard brushes (brush flat, brush 90° inner corner and brush 90° outer corner).
- Adjustable venturi and pressure gauge for air driven version
- Operator's manual in English
- Warranty

Options and accessoiries:

- Extension blast hose set of 10m (PN)
- Extension blast hose set of 15m (PN)
- Extension blast hose set of 20m (PN)
- Large blast head incl. Borium Carbide Nozzle
- Floor trolley for large blast head



AB-1070 EP/PN Dust Free Vacuum Blast Machine

The AB-1070 vacuum blast machine is an environmentally friendly dust free blasting solution which is easy to use, versatile and powerful. The use of steel abrasive provides cost effective, efficient and powerful blasting as well as close control of the surface preparation. Easily inter-changeable blast head fittings allow a variety of surfaces to be blasted including: flat, inside & outside corners, small & large diameter pipes etc. Additional accessories are available for specific applications such as to blast large horizontal surfaces or the edges of steel plates. As the process is safe and dust free other production processes can be carried out close to the blasting operation.

Features

- "Stand alone" unit includes automatic dust extraction and abrasive recycling system
- Quickly interchangeable blast head fittings to blast different surface shapes
- Fully pneumatic
- Allows blasting from low to high pressure (1 8 bar)
- Maximum hose length of 35 meters
- Can be incorporated into an automatic online blasting process

Benefits

- Totally dust free environmentally friendly blasting
- Other job site operations can be conducted close to the blasting area
- Zero dust contamination on the job site
- Many common shapes can be blasted with ease
- Low operation cost due to the use of steel abrasive
- · Flexible and versatile



| Surface | Abrasive type | Abrasive size | Obtained surface quality | Average production capacity per hour |
|---|---|--------------------------|--------------------------|---|
| Steel: millscale, coatings and or corrosion | Alu-oxyde Chilled iron Steel grit | 0.8-1.2 mm. G17 / G24 | SA 2½ (SP10) | 4 - 9 m ² |
| Steel: heavy corrosion | Alu-oxyde Chilled iron Steel grit | 0.8-1.2 mm. G17 / G24 | SA 2½ (SP10) | 3 - 8 m ² |
| Steel: blasted with shot primer | Alu-oxyde Chilled iron Steel grit | 0.8-1.2 mm. G17 / G24 | SA 2½ (SP10) | 5 - 9 m ² |
| Steel: Chlorinated rubber coating | Alu-oxyde Chilled iron Steel grit | 0.8-1.2 mm. G17 / G24 | SA 2½ (SP10) | 1.5 - 5 m ² |
| Weld seams: steel | Alu-oxyde Chilled iron Steel grit | 0.8-1.2 mm. G17 / G24 | SA 2½ (SP10) | 80 - 120 mtr/hr. (50 mm. width) |

^{*)} All mentioned values are averages and may vary due to surface conditions, abrasive quality, machine use and experiences of the operator.

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AB-1070 EP/PN Dust Free Vacuum Blast Machine

| TECHNICAL SPECIFICATIONS AB-1070 | | | |
|--|----------------------------------|---|--|
| | Pneumatic Single Chamber (PN) | Electric/Pneumatic Single Chamber (EP) | |
| Blast media capacity (ltr.) | 40 | 40 | |
| Max. hose length (mtr.) | 45-60 | 15 | |
| Empty weight (kgs.) | 525 | 590 | |
| Dimensions in mm. (WxLxH) | 1570 x 750 x 1860 | 1570 x 750 x 1860 | |
| Max. working pressure (bar) | 8 | 8 | |
| Electric power (Kw) | | 9.200 | |
| Electric current (V) | | 400 | |
| Recommended compressor size (ltr/min.) | 3.500 - 10.000 | 3.500 - 5.000 | |
| Average width blast pattern (mm) | 50 - 75 | 50 - 75 | |
| Max. abrasive size (mm) | 1.5 | 1.5 | |

Vacuum blasting machine AB-1070

Delivery includes:

- 15 m hose set consisting of a blast hose, abrasive recovery hose, a double line control hose with trigger and all necessary hose connectors.
- Hardened aluminium blast head, a blast head inner tube flat, a blast head inner tube 90 and a 6,4 mm boron carbide nozzle.
- Set of standard brushes (brush flat, brush 90° inner corner and brush 90° outer corner).
- Adjustable venturi and pressure gauge for air driven version
- Operator's manual in English
- Warranty

Options and accessoiries:

- Extension blast hose set of 10m
- Extension blast hose set of 15m
- Extension blast hose set of 20m
- Large blast head incl. Borium Carbide Nozzle
- Floor trolley for large blast head



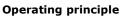
AB-61 Vacuum Injection Blast Cabinet

The Airblast vacuum injection blast cabinets are designed for rust removal, cleaning, slagging, frosting, chipping and polishing. The unit is especially designed for manual blasting of all sorts of smaller items. The AB-61 is equipped with a continuous circulation system for the abrasives and a built-in high efficiency filter system.

| Dimensions | | | | | |
|---------------------------|---------|---------|--------|--|--|
| Cabinet Working area Door | | | | | |
| Height | 2190 mm | 980 mm | 726 mm | | |
| Width | 1200 mm | 1180 mm | 586 mm | | |
| Depth | 1010 mm | 750 mm | | | |

The system is ready to operate and comes complete with:

- 2 flexible rubber openings to operate the nozzle.
- 1 pair of rubber gloves.
- 1 exchangeable window.
- 1 perforated working area.
- 1 nozzle holder with 8 mm boron carbide nozzle, complete with all necessary hoses and connections.
- 1 pneumatical foot switch to operate the nozzle.
- 1 lighting element with special protection cover and 2x18 Watt neon lamps.
- 1 safety switch for exhauster motor.
- 1 adjustable air pressure reducing valve with manometers.
- 1 rubber protection inside backwall.
- 1 door safety switch with magnetic valve.



The abrasive falls into the hopper via the work grating in the working area of the blast cabinet. At the lower end of the hopper, the abrasive falls into the mixing tube, from where it is sucked up through the abrasive hose. The suction force can be adjusted by means of the regulating slide valve. The abrasive hose with abrasive leads to the blast nozzle. A compressed air hose is also connected to the nozzle. The foot pedal is used to apply pressure to the compressed air hose. This creates a vacuum in the abrasive hose, causing the abrasive to be drawn in from the hopper and creating a flow of abrasive. The blasting pressure can be adjusted by means of the pressure reducing valve of the compressed air supply.



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AB-90 Vacuum Injection Blast Cabinet

The Airblast Vacuum Injection Cabinets are designed for rust removal, cleaning, slagging, frosting, chipping and polishing. The unit is especially designed for manual blasting of all sorts of smaller items. The AB-90 is equipped with a continuous circulation system for the abrasives and a built-in high efficiency filter system.

| Dimensions | | | | |
|---------------------------|---------|---------|---------|--|
| Cabinet Working area Door | | | | |
| Height | 1880 mm | 600 mm | 600 mm | |
| Width | 1010 mm | 1000 mm | 1000 mm | |
| Depth | 850 mm | 600 mm | | |

The system is ready to operate and comes complete with:

- 1 frontdoor with safety control switch
- 2 flexible rubber openings to operate the nozzle.
- 1 pair of rubber gloves.
- 1 exchangeable window.
- 1 perforated working area.
- 1 nozzle holder with 6 mm boron carbide nozzle, complete with all necessary hoses and connections.
- 1 pneumatical foot switch to operate the nozzle.
- 1 lighting element with special protection cover and 2x18 Watt neon lamps.
- 1 safety switch for exhauster motor and lighting.
- 1 air pressure reducing valve with build-in filter and manometer.

Operating principle

The abrasive falls into the hopper via the work grating in the working area of the blast cabinet. At the lower end of the hopper, the abrasive falls into the mixing tube, from where it is sucked up through the abrasive hose. The suction force can be adjusted by means of the regulating slide valve. The abrasive hose with abrasive leads to the blast nozzle. A compressed air hose is also connected to the nozzle. The foot pedal is used to apply pressure to the compressed air hose. This creates a vacuum in the abrasive hose, causing the abrasive to be drawn in from the hopper and creating a flow of abrasive. The blasting pressure can be adjusted by means of the pressure reducing valve of the compressed air supply.





ABDI-1000 Vacuum Injection Blast Cabinet

The Airblast vacuum injection blast cabinets are designed for rust removal, cleaning, slagging, frosting, chipping and polishing. The unit is especially designed for manual blasting of all sorts of smaller items.

The cabinet consists of a working chamber with underneath a blast medium funnel. A dust filter with pre-separator is part of the cabinet.

The working chamber is covered with 3 mm rubber on the walls and the door. Attached to the blast cabin, is a pre-separator to separate the heavy parts from the air flow before the air flow enters the dust filter.

Underneath the funnel, the injector is attached.

| Dimensions | | | | | |
|---------------------------|---------|---------|--------|--|--|
| Cabinet Working area Door | | | | | |
| Height | 2490 mm | 1000 mm | 850 mm | | |
| Width | 1050 mm | 1000 mm | 700 mm | | |
| Depth | 1700 mm | 1000 mm | | | |



Delivery includes:

- · revolving door with safety control switch.
- lighting 4x18 Watt.
- 3 perforated grids in working area.
- 1 window exchangeable.
- 1 window securit.
- 2 flexible rubber openings.
- build-in controlpanel with main switch, control safety switches for exhauster and lighting.
- 1 nozzle holder with 8 mm Borium Carbid nozzle.
- blast hose which is guided through the roof of the machine.
- reducing valve (0 10 bar) operated by a pilot valve with manometer on the front of the machine.
- pneumatic footpedal.

Operating principle

The abrasive falls into the hopper via the work grating in the working area of the blast cabinet. At the lower end of the hopper, the abrasive falls into the mixing tube, from where it is sucked up through the abrasive hose. The suction force can be adjusted by means of the regulating slide valve. The abrasive hose with abrasive leads to the blast nozzle. A compressed air hose is also connected to the nozzle. The foot pedal is used to apply pressure to the compressed air hose. This creates a vacuum in the abrasive hose, causing the abrasive to be drawn in from the hopper and creating a flow of abrasive. The blasting pressure can be adjusted by means of the pressure reducing valve of the compressed air supply.

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ABDI-1300 Vacuum Injection Blast Cabinet

The Airblast vacuum injection blast cabinets are designed for rust removal, cleaning, slagging, frosting, chipping and polishing. The unit is especially designed for manual blasting of all sorts of smaller items.

The cabinet consists of a working chamber with underneath a blast medium funnel. A dust filter with pre-separator is part of the cabinet.

The working chamber is covered with 3 mm rubber on the walls and the door. Attached to the blast cabin, is a pre-separator to separate the heavy parts from the air flow before the air flow enters the dust filter.

Underneath the funnel, the injector is attached.

| Dimensions | | | | |
|-------------------------|---------|---------|--------|--|
| Cabinet Working area Do | | | | |
| Height | 2490 mm | 1100 mm | 850 mm | |
| Width | 1350 mm | 1300 mm | 700 mm | |
| Depth | 1700 mm | 1000 mm | | |



Delivery includes:

- · revolving door with safety control switch.
- lighting 4x18 Watt.
- 3 perforated grids in working area.
- 1 window exchangeable.
- 1 window securit.
- 2 flexible rubber openings.
- build-in controlpanel with main switch, control safety switches for exhauster and lighting.
- 1 nozzle holder with 8 mm Borium Carbid nozzle.
- blast hose which is guided through the roof of the machine.
- reducing valve (0 10 bar) operated by a pilot valve with manometer on the front of the machine.
- pneumatic footpedal.

Operating principle

The abrasive falls into the hopper via the work grating in the working area of the blast cabinet. At the lower end of the hopper, the abrasive falls into the mixing tube, from where it is sucked up through the abrasive hose. The suction force can be adjusted by means of the regulating slide valve. The abrasive hose with abrasive leads to the blast nozzle. A compressed air hose is also connected to the nozzle. The foot pedal is used to apply pressure to the compressed air hose. This creates a vacuum in the abrasive hose, causing the abrasive to be drawn in from the hopper and creating a flow of abrasive. The blasting pressure can be adjusted by means of the pressure reducing valve of the compressed air supply.



ABDI-1500 Vacuum Blast Cabinet

The Airblast vacuum injection blast cabinets are designed for rust removal, cleaning, slagging, frosting, chipping and polishing. The unit is especially designed for manual blasting of all sorts of smaller items.

The cabinet consists of a working chamber with underneath a blast medium funnel. A dust filter with pre-separator is part of the cabinet.

The working chamber is covered with 3 mm rubber on the walls and the door. Attached to the blast cabin, is a pre-separator to separate the heavy parts from the air flow before the air flow enters the dust filter.

Underneath the funnel, the injector is attached.

| Dimensions | | | | |
|-------------------------|---------|---------|--------|--|
| Cabinet Working area Do | | | | |
| Height | 2790 mm | 1000 mm | 850 mm | |
| Width | 1560 mm | 1500 mm | 700 mm | |
| Depth | 1700 mm | 1000 mm | | |



Delivery includes:

- · revolving door with safety control switch.
- lighting 4x18 Watt.
- 3 perforated grids in working area.
- 1 window exchangeable.
- 1 window securit.
- 2 flexible rubber openings.
- build-in controlpanel with main switch, control safety switches for exhauster and lighting.
- 1 nozzle holder with 8 mm Borium Carbid nozzle.
- blast hose which is guided through the roof of the machine.
- reducing valve (0 10 bar) operated by a pilot valve with manometer on the front of the machine.
- pneumatic footpedal.

Operating principle

The abrasive falls into the hopper via the work grating in the working area of the blast cabinet. At the lower end of the hopper, the abrasive falls into the mixing tube, from where it is sucked up through the abrasive hose. The suction force can be adjusted by means of the regulating slide valve. The abrasive hose with abrasive leads to the blast nozzle. A compressed air hose is also connected to the nozzle. The foot pedal is used to apply pressure to the compressed air hose. This creates a vacuum in the abrasive hose, causing the abrasive to be drawn in from the hopper and creating a flow of abrasive. The blasting pressure can be adjusted by means of the pressure reducing valve of the compressed air supply.

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ABD-1000 Pressure Blast Cabinet

This compact blast cabinet is primaraly suitable for delicate or lighter work such as:

- cast and construction operations
- removing of mill scale, rust and coating layers
- dulling of non-ferrous metals

The cabinet consists of a working chamber with underneath a blast medium funnel. A dust filter with pre-separator is part of the cabinet. The working chamber is covered with 3 mm rubber on the walls and the door. Attached to the blast cabin, is a pre-separator to separate the heavy parts from the air flow before the air flow enters the dust filter. Underneath the funnel, the injector is attached. The vessel is provided with wear resistant parts to minimize maintenance.

The installation is constructed of 3mm steelplate and finished with a coatinglayer in the colour grey.

| Dimensions | | | | | |
|-------------------------|---------|---------|--------|--|--|
| Cabinet Working area Do | | | | | |
| Height | 2490 mm | 1000 mm | 850 mm | | |
| Width | 1050 mm | 1000 mm | 700 mm | | |
| Depth | 1700 mm | 1000 mm | | | |



Delivery includes:

- revolving door with safety control switch
- lighting 4x18 Watt
- 3 perforated grids in working area
- 1 window exchangeable
- 1 window securit
- 2 flexible rubber openings
- build-in controlpanel with main switch, control safety switches for exhauster and lighting
- 1 nozzle holder with 6 mm Boron Carbide Nozzle
- blast hose 3/4" which is guided through the roof of the machine
- reducing valve (0 10 bar) operated by a pilot valve with manometer on the front of the machine
- electric footpedal to operate the blastvessel

Automatic blasting vessel:

Diameter : Ø 350 mm Max. pressure : 6 bar

Construction:

The blastvessel has a capacity of approximate 17 litres, made from 5 mm steelplate and is provided with an automatic closing dual stage popup valve and grithopper with sieve. Further complete with an electrical 2/2 way inlet valve 1" and abrasive metering valve type "Microvalve".

Operating principle:

The abrasive falls into the hopper via the work grating in the working area of the blast cabinet. From the hopper the abrasive is poured into the blast vessel. By depressing the foot pedal the blast vessel is pressurized and closed by the cone. When the blast vessel is filled and pressurized the abrasive is transported to the working area of the blast cabinet via the abrasive hose. The abrasive hose with abrasive leads to the blast nozzle. The ratio between compressed air and abrasive can be adjusted by using the abrasive metering valve and the air regulator of the compressed air supply.



ABD-1300 Pressure Blast Cabinet

The Airblast Pressure Blast Cabinets are designed for manual or automatic shotblasting of all sorts of items. The general jobs done in these cabinets are continuous and power work, like: cast and construction operations, the removing of mill scale, rust, coating layers to dull non-ferrous metals

The execution is according the compressed air system. The shotblasting vessel is constructed directly under the shotblasting chamber and provided with wear resistant parts which need little maintenance. The dust filter installation is constructed behind the working space, has a special deflector plate to separate the dust from the airflow. The two catridges filters with automatic pulsing system remove the finest dust.

The back-wall of the working area and side door is completely covered with 3mm rubber. The installation is constructed of 3mm steel plate and finished with a coating layer in the colour grey.

The Airblast Pressure Blast Cabinet with pressure blast method offers 3-4 times the production and impact of the suction/induction blast method. The high production method should be considered when there is a large area to be blasted, or where heavy rust, multiple layers of paint, or heavy oxides and scale must be removed.

| Dimensions | | | | | |
|-------------------------|---------|---------|--------|--|--|
| Cabinet Working area Do | | | | | |
| Height | 2490 mm | 1100 mm | 850 mm | | |
| Width | 1350 mm | 1300 mm | 700 mm | | |
| Depth | 1700 mm | 1000 mm | | | |



Delivery includes:

- revolving door with safety control switch
- lighting 4x18 Watt
- 3 perforated grids in working area
- 1 window exchangeable
- 1 window securit
- 2 flexible rubber openings
- · build-in controlpanel with main switch, control safety switches for exhauster and lighting
- 1 nozzle holder with 6 mm Boron Carbide Nozzle
- blast hose 3/4" which is guided through the roof of the machine
- reducing valve (0 10 bar) operated by a pilot valve with manometer on the front of the machine
- electric footpedal to operate the blastvessel

Automatic blasting vessel - dimensions:

Diameter : Ø 350 mm Max. pressure : 6 bar

Construction:

The blastvessel has a capacity of approximate 17 litres, made from 5 mm steelplate and is provided with an automatic closing dual stage popup valve and grithopper with sieve. Further complete with an electrical 2/2 way inlet valve 1" and abrasive metering valve type "Microvalve".

Operating principle:

The abrasive falls into the hopper via the work grating in the working area of the blast cabinet. From the hopper the abrasive is poured into the blast vessel. By depressing the foot pedal the blast vessel is pressurized and closed by the cone. When the blast vessel is filled and pressurized the abrasive is transported to the working area of the blast cabinet via the abrasive hose. The abrasive hose with abrasive leads to the blast nozzle. The ratio between compressed air and abrasive can be adjusted by using the abrasive metering valve and the air regulator of the compressed air supply.

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AIRBLAST

ABD-1500 Pressure Blast Cabinet

The Airblast Pressure Blast Cabinets are designed for manual or automatic shotblasting of all sorts of items. The general jobs done in these cabinets are continuous and power work, like: cast and construction operations, the removing of mill scale, rust, coating layers to dull non-ferrous metals

The execution is according the compressed air system. The shotblasting vessel is constructed directly under the shotblasting chamber and provided with wear resistant parts which need little maintenance. The dust filter installation is constructed behind the working space, has a special deflector plate to separate the dust from the airflow. The two cartridges filters with automatic pulsing system remove the finest dust.

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| Dimensions | | | | | |
|-------------------------|---------|---------|--------|--|--|
| Cabinet Working area Do | | | | | |
| Height | 2790 mm | 1000 mm | 850 mm | | |
| Width | 1560 mm | 1500 mm | 700 mm | | |
| Depth | 1700 mm | 1000 mm | | | |



Delivery includes:

- swing doors with safety controller
- lighting 4x18 Watt
- · 3 perforated grids in working area
- 1 window exchangeable
- 1 window securit
- 2 flexible rubber openings
- · build-in controlpanel with main switch, control safety switches for exhauster and lighting
- 1 nozzle holder with 8 mm Boron Carbide Nozzle
- blast hose 3/4" which is guided through the roof of the machine
- reducing valve (0 10 bar) operated by a pilot valve with manometer on the front of the machine
- pneumatic footpedal to operate the blastvessel

Automatic blasting vessel - dimensions

Diameter : Ø 350 mm Max. pressure : 6 bar

Construction:

The blastvessel has a capacity of approximate 17 litres, made from 5 mm steelplate and is provided with an automatic closing dual stage popup valve and grithopper with sieve. Further complete with an electrical 2/2 way inlet valve 1" and abrasive metering valve type "Microvalve".

Operating principle:

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Blast Rooms

Each Airblast Blast Room is tailor made for the specific requirement of each individual customer – your operational demands are unique, why should you compromise with a standard solution?

Each blast room element is engineered to be in balance with the other elements – this ensures that the flow of products, the flow of abrasive, and the flow of dust is smooth and uniform.

After a thorough investigation and analysis of the objectives and goals of the blast room our team of engineers draw upon years of experience and an extensive installed base of blast rooms in operation around the world to ensure that the Airblast Blast Room proposal satisfies all of the criteria as well as allowing opportunities for future development.



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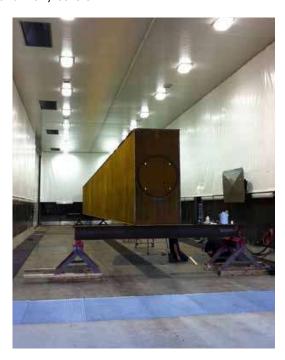
After a thorough investigation and analysis of the objectives and goals of the blast room our team of engineers draw upon years of experience and an extensive installed base of blast rooms in operation around the world to ensure that the Airblast Blast Room proposal satisfies all of the criteria as well as allowing opportunities for future development.

As each Airblast Blast Room is designed specifically on a project by project basis the possibilities for customization are endless: multiple blasters operating on one room; product access through one end or both ends of the blast room; abrasive recovery options including: sweeping pit, cross conveyor, U shape, H shape, and complete floor automatic recovery with conveyor system or scrappers; down draft or cross draft dust extraction; automatic grit recycling incorporating magnetic separation.

For additional flexibility Airblast can provide a combined blast and paint room: once the blasting is completed and the abrasive recovered a separate paint extraction system is activated and painting of the product can begin. The reduced product handling provides additional quality control benefits as well as cost savings.

Airblast has an extensive reference list of installed blast rooms around the world working with companies such as Keppel Fells Singapore, Gdansk Shipyard in Poland, Zamil Steel in Saudi Arabia and many others.





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AIRBLAST

Blast Rooms

Each Airblast Blast Room is engineered to the highest quality standards and is supplied with region specific certification. The key elements and processes in a blast room are detailed below:

Abrasive Management

After impacting the substrate abrasive falls to the floor and through the grating into the recovery system, or remains of the floor to be manually moved into the recovery system in the case of sweeping pit, cross conveyor, U & H shape recovery systems. The abrasive is guided onto the recovery system by a V-hopper section designed to ensure that overload is impossible. Airblast scrapper and conveyor recovery systems both utilse totally enclosed, sealed for life, maintenance free motors. The recovery system transports the abrasive to the bucket elevator (which utilizes Columbus buckets to ensure that overload is impossible) which delivers the abrasive into the cascade cleaning system with double air wash and vibrating screen abrasive classification. From the cascade cleaner the abrasive is deposited in a silo ready for return to the blast pot and reuse.

Dust Management

Dust laden air is extracted from the room through wall mounted ducts and enters the inlet plenum of the collector where heavy particles fall immediately into the hopper. As the air flows through the filter cartridges dust is deposited on the outside of the filtering media. Solenoid valves introduce jets of high-pressure air into each pair of cartridges alternately - the resulting reverse airflow cleans the filter cartridges. Dust removed from the filter surface settles into the hopper. As each pair of filter cartridges is cleaned in succession the operation is uninterrupted. Air inlet grids return 80% - 90% of the air back into the blast room, this is critical especially in climate controlled blast rooms.

Electrical Panel

The Electrical Panel is the central point from which each of the elements of the blast room can be controlled and monitored. Preloaded start up and shut down sequence programs ensure ease of use and the inclusion of the Star-triangle starter guards against electric overload.









Airblast Blast Room Video



Ultra High Pressure Water Jetting

We offer a full range of High Pressure (HP) & Ultra High Pressure(UHP) plunger pumps and water jetting equipment. Every pump & unit we supply is tested and certificated for performance prior to despatch.

Our range of pumps operate at pressures from 70 to 2750 bar and flow rates up to 773 lpm with ratings from 30 to 375 kW (40 to 500 hp). The pumps are ruggedly constructed and produced in nine frame sizes, each including a range of plunger sizes. This allows selection of the ideal pump for the job. Close-coupled reduction gearbox drives are available, with a choice of gear ratio to suit most prime mover speeds. Also available are SAE engine adaptor housings allowing the pumps to be flange mounted to diesel engines, ensuring perfect alignment and making installation simple. The power end of the pump features cast iron casings with splash or pressure lubrication and oil cooling, according to the application. Pump heads are manufactured from stainless steel as standard. The in-line valve



arrangement prevents the adverse effects of cyclic stress within the headblock, while allowing all working components to be easily removed on site for service. Solid ceramic plungers extend the life of the self adjusting plunger seals. The UB-range of UHP pumps include design features that allows seals and valves to be monitored without tools and maintenance on individual cylinders.

Typical Applications:

- Water & abrasive blasting
- Surface preparation (coatings & corrosion removal)
- Pipe cleaning & de-scaling
- Tank & vessel cleaning
- Sub-sea cleaning & cutting
- Floor, road & runway cleaning
- Pressure testing
- Cold cutting
- Road re-texturing & white line removal
- Heat exchanger tube cleaning
- Hydrodemolition

Water Jetting Units

Skid, site or road trailer and truck mounted units are available with or without sound reduction enclosures, driven by a choice of diesel engines or electric motors for use in safe or hazardous areas (ATEX compliant where required). All fabrications are grit blasted and high quality powder coated for adurable finish. For offshore applications fully certified crashframes or containers are available with paint finishes to customer specification. Every unit supplied by Airblast is robust, simple to operate and maintain, and designed for longevity. Diesel engines and electric motors are sourced from world leading manufacturers and comply with the latest international standards. Simple control panels are used throughout the product range avoiding the need for PLC systems, ensuring reliability & easy trouble shooting. High capacity water filters and stainless steel suction line fittings are used as standard and boost pumps fitted for higher pressure applications. Shutdown switches are fitted where necessary to monitor various pump and prime mover functions.

Accessories

To complement the pump sets, a comprehensive range of water jetting accessories is available to cover every application:

- Hand held jetting guns land and underwater
- Foot control valves
- Unloader and diverter valves
- Surface cleaning jets pencil, fan and rotating
- Pipe and tube cleaning jets fixed and rotating
- Heat exchanger cleaning manual and automatic
- Tank cleaning heads
- Floor, road and runway cleaning
- · Water abrasive blasting
- High pressure hoses, flexible and rigid lances



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Ultra High Pressure Water Jetting

Worldwide Support

Backed by a comprehensive spares stock holding, we have dedicated Service Engineers who travel nationally and internationally keeping our pumps running round the clock. We also work closely with our overseas agents who have been trained in the selection, operation and maintenance of our product range ensuring they can provide the vital after sales service demanded by today's fast moving industry.

| WATER JETTING PUMPS OVERVIEW | | | | | | | | |
|------------------------------|----------------|-----|-----------------|------------|-------------------|---------------|--------------|----------------|
| | Plunger dia | | ninal rating | | Nominal flow rate | | Pres | sure |
| Model | mm | kW | hp | lpm | igpm | usgpm | bar | psi |
| HPS400 | 14 35 | 30 | 40 | 16 103 | 3.6 22.6 | 4.4 27.2 | 1000 160 | 14500 2320 |
| HPS650 | 18 35 | 48 | 65 | 27 103 | 6 22.6 | 7.2 27.2 | 1000 250 | 14500 3625 |
| HPS1000 | 20 50 | 75 | 100 | 28 177 | 6.2 38.9 | 7.5 46.8 | 1400 220 | 20300 3190 |
| HPS2200 | 24 55 | 160 | 220 | 53 279 | 11.7 61.3 | 14.1 73.9 | 1400 310 | 20300 4495 |
| HPS3000 | 30 75 | 225 | 300 | 84 484 | 18.5 106.4 | 22.3 128.2 | 1400 250 | 20300 3625 |
| HPS5000 | 30 75 | 375 | 500 | 141 806 | 31 177.4 | 37.3 213.7 | 1400 250 | 20300 3625 |
| UB10 | 11 | 48 | 65 | 10.3 | 2.3 | 2.8 | 2600 | 38000 |
| UB15 | 14 | 75 | 100 | 13.8 | 3 | 3.7 | 2750 | 40000 |
| UB30 | 18 22 | 160 | 220 | 30 45 | 6.6 9.8 | 8 11.8 | 3000 2000 | 43500 29000 |

The chart above shows extreme pressure/flow combinations with smallest & largest plungers fitted. All pumps have a range of plunger sizes other than the UB 10 & 15.





Notes

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Section 6 - Blastman Robotics

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| Blastman B16S | 150 |
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| Blastman MBU | 158 |
| Blastman Transfer cars | 160 |



Built for blasting

The unique Blastman Robot delivers innovative solutions, applying the very latest advanced technologies to overcome surface pre-treatment challenges.

Increasingly the number one choice for blast-cleaning installations in the entire world is the Blastman Robot, which can be incorporated in the supply of entire abrasive blast-cleaning and surface treatment lines.



Blastman B20CX



VouTubo

Built for blasting

The Blastman B20CX is designed for the most demanding blasting environments. The Blastman B20CX is an ideal solution to replace traditional manual blasting. The robot is controlled by an operator sitting in the control cabin. The Blastman B20CX can also be used in automatic mode as a fullfeatured robot. The Blastman B20CX robot is the perfect choice for diverse products from individual items to mass production.

The Blastman B20CX robot applications include: railway rolling stock, all kinds of steel structures and castings.

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AIRBLAST

Blastman B20CX

Robot configuration

| | | Range | Max. speed | Type |
|--------|------------------------------|-----------|------------|------|
| Axis 1 | Robot bridge longitudinal | 5 - 100 m | 0,3 m/s | Lin. |
| Axis 2 | Arm/cabin carriage across | 3 - 35 m | 0,2 m/s | Lin. |
| Axis 3 | Rotation of the telescope | 360° | 18,7°/s | Rot. |
| Axis 4 | Arm/cabin vertical (telesc.) | 2 - 6 m | 0,26 m/s | Lin. |
| Axis 5 | Shoulder | 175° | 21,5°/s | Rot. |
| Axis 6 | Elbow | 225° | 19,9°/s | Rot. |
| Axis 7 | Arm head | 360° | 180°/s | Rot. |
| Axis 8 | Nozzle | 270° | 215°/s | Rot. |

Operation modes

Manual Automatic

Parameter based automatic

Teaching methods

Teach In (option) PTP (option) Offline (option) Parameter based (option)

Operational param.

Technical

Voltage 380-500V 50/60Hz

Contr. voltage 24 VDC Sealing * IP65

Assembly Roof mounted Weight ** 5100 kg

- * Appl. to electrics in the blast room
- ** Depends on width

Options

Control

- Manipulator without robot features
- License for software updates
- PTP Teaching by teach pendant
- Offline teaching
- VPN connection for remote diagnosis and SW updates
- Mobile monitoring
- Control of blast room machineries

Convenience

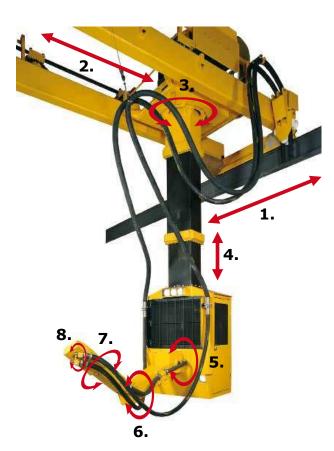
- AC in Control cabin
- Radio in Control cabin

Blast equipment

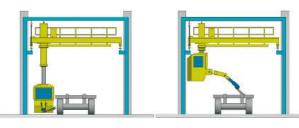
- Complete operational blast room
- Blast pot for robot
- Blast hose
- Blast hose connectors
- Blast nozzles

Other

- Rails for the robot
- Transfer car for the work piece
- Warranty extension
- Installation services













Blastman B20S



Built for blasting

The Blastman B20S is a gantry-type robot with telescopic and joint booms to direct the blasting nozzles. The Blastman B20S robot typically consists of eight (8) robot axis. Due to the overhead crane type design, and movable telescopic arm, the robot has excellent reachability and can blast even the most complex workpieces whilst moving within the entire area of the blast room.

The Blastman B20S robot is always customized to fit into the dimensions of the blast room and to meet the requirements of the work piece to be blasted. With its telescopic arm the robot can even reach inside rail cars through windows or other holes to blast clean interior surfaces. Blastman B20S robot applications include: railway rolling stock, all kinds of steel structures and castings.

Blastman B20S robot applications include: railway rolling stock, all kinds of steel structures and castings.

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AIRBLAST

Blastman B20S

Robot configuration

| | | Range | Max. speed | Type |
|--------|---------------------------|-----------|------------|------|
| Axis 1 | Robot bridge longitudinal | 5 - 100 m | 0,3 m/s | Lin. |
| Axis 2 | Arm carriage across | 3 - 35 m | 0,25 m/s | Lin. |
| Axis 3 | Rotation of the telescope | 360° | 18,7°/s | Rot. |
| Axis 4 | Arm vertical (telescope) | 2 - 6 m | 0,26 m/s | Lin. |
| Axis 5 | Shoulder | 175° | 21,5°/s | Rot. |
| Axis 6 | Elbow | 225° | 19,9°/s | Rot. |
| Axis 7 | Arm head | 360° | 180°/s | Rot. |
| Axis 8 | Nozzle | 270° | 215°/s | Rot. |

Operation modes

Manual Automatic

Parameter based automatic

Teaching methods

Teach In (option) PTP Offline (option)

Parameter based (option)

Operational param.



Voltage 380-500V 50/60Hz

Contr. voltage 24 VDC Sealing * IP65

Assembly Roof mounted Weight ** 5100 kg

* Appl. to electrics in the blast room

** Depends on width

Options

Control

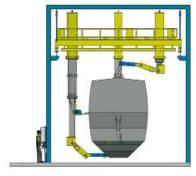
- License for software updates
- Offline teaching
- VPN connection for remote diagnosis and SW updates
- Mobile monitoring
- Control of blast room machineries

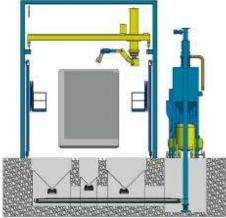
Blast equipment

- Complete operational blast room
- Blast pot for robot
- Blast hose
- Blast hose connectors
- Blast nozzles

Other

- Rails for the robot
- Transfer car for the work piece
- Warranty extension
- Installation services







Blastman B20C-S



YouTube

Built for blasting

The Blastman B20CS is a bridge type 8-axis blast cleaning robot designed to blast large work pieces. The B20CS has two separate bridges: one to carry the robot arm and one to carry the movable operator cabin. An operator can steer the robot with joysticks from the operator cabin which moves on 4-axis. When the B20CS is used as a robot the operator cabin bridge can be driven into the other end of the blast room.

The functionality of the B20CS robot is similar to B20S model: it is customized to fit into the dimensions of the blast room and to meet the requirements of the work piece to be blasted. With its telescopic arm the robot can even reach inside rail cars through windows or other holes to blast clean the interior surfaces. The Blastman B20CS robot applications include: railway rolling stock, transformers, diverse steel structures and castings.

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AIRBLAST

Blastman B20C-S

Robot configuration

| | | Range | Max. speed | Type |
|---------|---------------------------|-----------|------------|------|
| Axis 1 | Robot bridge longitudinal | 5 - 100 m | 0,3 m/s | Lin. |
| Axis 2 | Arm carriage across | 3 - 35 m | 0,25 m/s | Lin. |
| Axis 3 | Rotation of the telescope | 360° | 18,7°/s | Rot. |
| Axis 4 | Arm vertical (telescope) | 2 - 6 m | 0,26 m/s | Lin. |
| Axis 5 | Shoulder | 175° | 21,5°/s | Rot. |
| Axis 6 | Elbow | 225° | 19,9°/s | Rot. |
| Axis 7 | Arm head | 360° | 180°/s | Rot. |
| Axis 8 | Nozzle | 270° | 215°/s | Rot. |
| Axis 9 | Cabin bridge | 5 - 100 m | 0,3 m/s | Lin. |
| Axis 10 | Cabin carriage | 3 - 35 m | 0,25 m/s | Lin. |
| Axis 11 | Cabin telescope rotation | 360° | 20°/s | Rot. |
| Axis 12 | Cabin telescope | 2 - 6 m | 0.26 m/s | Lin. |

Operation modes

Manual Automatic

Parameter based automatic

Teaching methods

Teach In PTP (option) Offline (option) Parameter based (option)

Operational param.

Technical

Voltage 380-500V 50/60Hz

Contr. voltage 24 VDC Sealing * IP65

Assembly Roof mounted Weight ** 10 000 kg

- * Appl. to electrics in the blast room
- ** Depends on width

Options

Control

- License for software updates
- Offline teaching
- VPN connection for remote diagnosis and SW updates
- Mobile monitoring
- Control of blast room machineries

Convenience

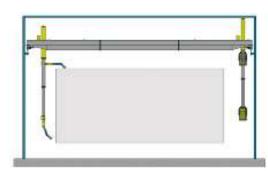
- AC in control cabin
- Radio in control cabin

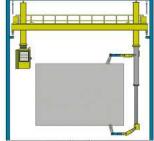
Blast equipment

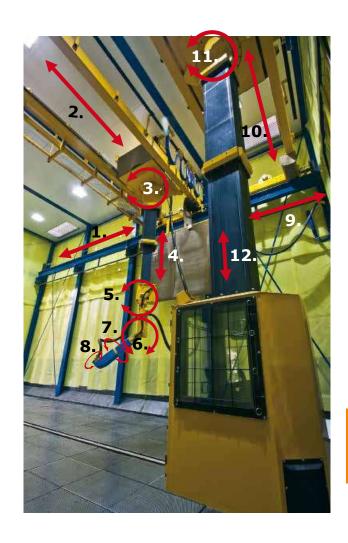
- Complete operational blast room
- Blast pot for robot
- Blast hose
- Blast hose connectors
- Blast nozzles

Other

- Rails for the robot
- Transfer car for the work piece
- Warranty extension
- Installation services









Blastman B20ML (man-lift)

Built for blasting

The Blastman B20ML is a gantry-type man lift with telescopic boom to move the operator platform around the workpiece. The Blastman B20ML has been engineered for both blast and paint rooms.

The Blastman B20ML operates as an overhead crane and provides the best possible access around large work pieces without any scaffolding, movable boom lifts, or ladders. The Blastman B20ML can be installed in paint booths replacing the traditional scaffoldings and boom lifts.



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Blastman B20ML (man-lift)

Manlift configuration

| | | Range | Max. speed | Type |
|--------|--------------------------|-----------|------------|------|
| Axis 1 | Bridge longitudinal | 3 - 100 m | 0,3 m/s | Lin. |
| Axis 2 | Platform carriage | 3 - 35 m | 0,25 m/s | Lin. |
| Axis 3 | Platform telesc.rotation | 360° | 20°/s | Rot. |
| Axis 4 | Platform telescope | 2 - 6 m | 0,26 m/s | Lin. |

Operation modes

Manual by push buttons External outside blast room

Operational param.

Max load: 150 kg Safety certificate

Technical

Voltage 380-500V 50/60Hz Contr. voltage 24 VDC

Sealing * IP65 Assembly Roof mounted Weight ** 4500 kg

- * Appl. to electrics in the blast room ** Depends on height

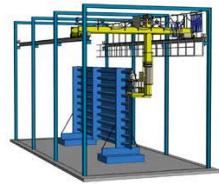
Options

Blast equipment

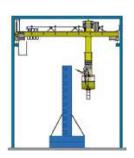
- Complete operational blast room
- Blast pot for robot
- Blast hoses
- Blast hose connectors
- Blast nozzles

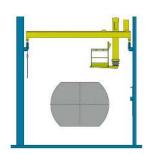
Other

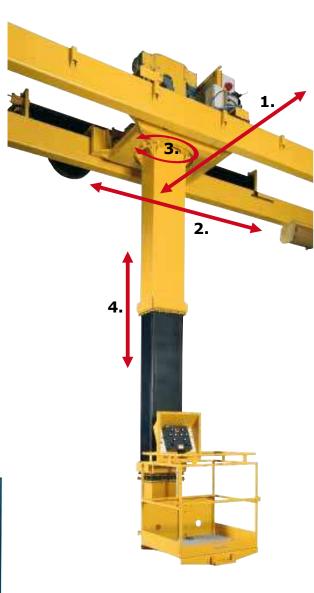
- Rails for the manlift
- Warranty extension
- Installation services













Blastman B16CX

Built for blasting The Blastman B16CX is an ideal solution to replace traditional manual blasting. The robot is controlled by an operator sitting in the control cabin. The Blastman B16CX can also be used in automatic mode as a fullfeatured robot. The Blastman B16CX robot is the perfect choice to blast diverse products from individual items to mass production.

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AIRBLAST

Blastman B16CX

Robot configuration

| | Range | Max. speed | Type |
|----------------------------|----------|------------|------|
| Axis 1 Main frame horiz. | 3 - 50 m | 0,3 m/s | Lin. |
| Axis 2 Arm and cabin vert. | 2 - 10m | 0,3 m/s | Lin. |
| Axis 3 Arm rotation | 180° | 25,2°/s | Rot. |
| Axis 4 Shoulder | 175° | 21,5°/s | Rot. |
| Axis 5 Elbow | 225° | 19,9°/s | Rot. |
| Axis 6 Arm head | 360° | 180°/s | Rot. |
| Axis 7 Nozzle | 270° | 215°/s | Rot. |

Operation modes

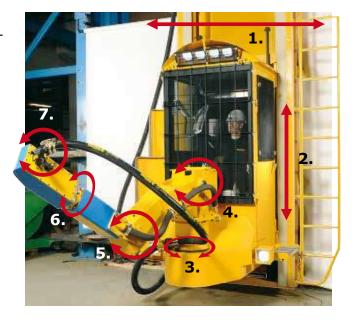
Automatic

Parameter based automatic

Teaching methods

Teach In (option)
PTP (option)
Offline (option)
Parameter based (option)

Operational param.



Technical

Voltage 380-500V 50/60Hz

Contr. voltage 24 VDC Sealing * IP65

Assembly Wall mounted Weight ** 5100 kg

*Appl. to electrics in the blast room

** Depends on height

Options

Control

- Manipulator without robot features
- License for software updates
- PTP teaching by teach pendant
- Offline teaching
- VPN connection for remote diagnosis and SW updates
- Mobile monitoring
- Control of blast room machineries

Convenience

- AC in control cabin
- Radio in control cabin

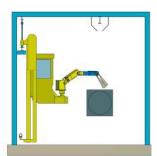
Blast equipment

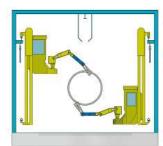
- Complete operational blast room
- Blast pot for robot
- Blast hose
- Blast hose connectors
- Blast nozzles

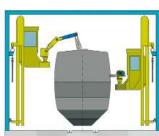
Other

- Rails for the robot
- Transfer car for the work piece
- Warranty extension
- Installation services









SECTION 6 PAGE 149



Blastman B16S

Built for blasting

The Blastman B16S is a "wall mount-type" blasting robot. The B16S robot operates on the wall of the blast room. The main frame of the robot moves the robot arm in the longitudinal direction of the blast room on rails which are fixed on the walls of the blasting chamber. The hoist carriage moves the horizontal robot arm vertically on the main frame. The robot arm connected to the carriage is to direct and move the blasting nozzle. The Blastman B16S robot typically consists of seven (7) robot axis.

A pair of Blastman B16S robots combined with overhead (monorail) conveyor provide an efficient and flexible blasting solution for even the most complicated work pieces.





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AIRBLAST

Blastman B16S

Robot configuration

| | | Range | Max. speed | Type |
|--------|-------------------|----------|------------|------|
| Axis 1 | Main frame horiz. | 3 - 50 m | 0,3 m/s | Lin. |
| Axis 2 | Robot arm vert. | 2 - 10m | 0,3 m/s | Lin. |
| Axis 3 | Arm rotation | 180° | 25,2°/s | Rot. |
| Axis 4 | Shoulder | 175° | 21,5°/s | Rot. |
| Axis 5 | Elbow | 225° | 19,9°/s | Rot. |
| Axis 6 | Arm head | 360° | 180°/s | Rot. |
| Axis 7 | Nozzle | 270° | 215°/s | Rot. |

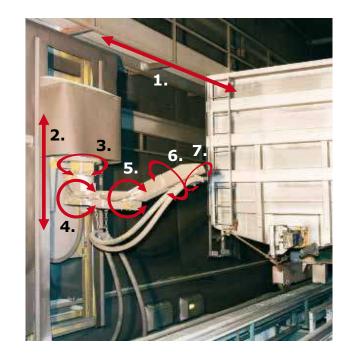
Operation modes

Manual (external contr. cabin) Automatic Parameter based automatic

Teaching methods

Teach In (option with ext. cabin) PTP Offline (option) Parameter based (option)

Operational param.



Technical

Voltage 380-500V 50/60Hz Contr. voltage 24 VDC

Sealing * IP65 Assembly Wall mounted Weight ** 4500 kg

*Appl. to electrics in the blast room

** Depends on height

Options

Contro

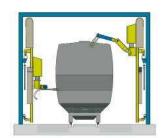
- Manipulator without robot features
- License for software updates
- Offline teaching
- VPN connection for remote diagnosis and SW updates
- Mobile monitoring
- Control of blast room machineries

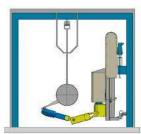
Blast equipment

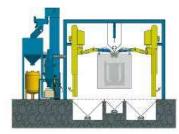
- Complete operational blast room
- Blast pot for robot
- Blast hoses
- Blast hose connectors
- Blast nozzles

Other

- Rails for the robot
- Transfer car for the work piece
- Warranty extension
- Installation services









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Blastman B16ML (Man-lift)

Built for blasting

The Blastman B16ML is robust and specifically engineered for the harsh blast room environment. The robot helps the operator move the blast nozzle around the workpiece. The man lift can also be used for touch up, inspection, and quality control.

The lift is controlled by the operator using a control panel located on the platform. The lift travels on a rail system fixed to the wall of the blast room. The longitudinal movement (left and right movement of the lift) allows the lift to travel back and forth along the length of the blast room. The hoist of the platform (up and down movement of the platform) provides the ability to elevate the operator platform from a lowered position to the maximum height. The platform on which the operator stands can be rotated in order to access objects across the full width of the blast room.





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Blastman B16ML (Man-lift)

Manlift configuration

| | | Range | Max. speed | Type |
|--------|-------------------|----------|------------|------|
| Axis 1 | Main frame horiz. | 3 - 50 m | 0,3 m/s | Lin. |
| Axis 2 | Platform vertical | 2 - 10m | 0,2 m/s | Lin. |
| Axis3 | Platform rotation | 180° | 20°/s | Rot. |

Operation modes

Operational param.

Manual by push buttons External outsiode the blast room

Max load: 150 kg Safety certificate

Technical

Voltage 380-500V 50/60Hz

Contr. voltage Sealing * 24 VDC IP65

Wall mounted Assembly Weight ** 4500 kg

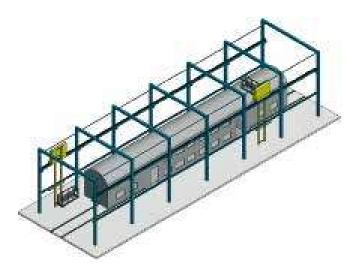
Options

Blast equipment

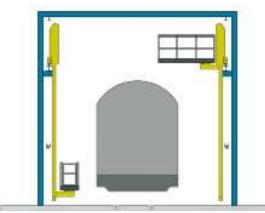
- Complete operational blast room
- Blast pot for robot
- Blast hoses
- Blast hose connectors
- Blast nozzles

Other

- Rails for the manlift
- Warranty extension
- Installation services





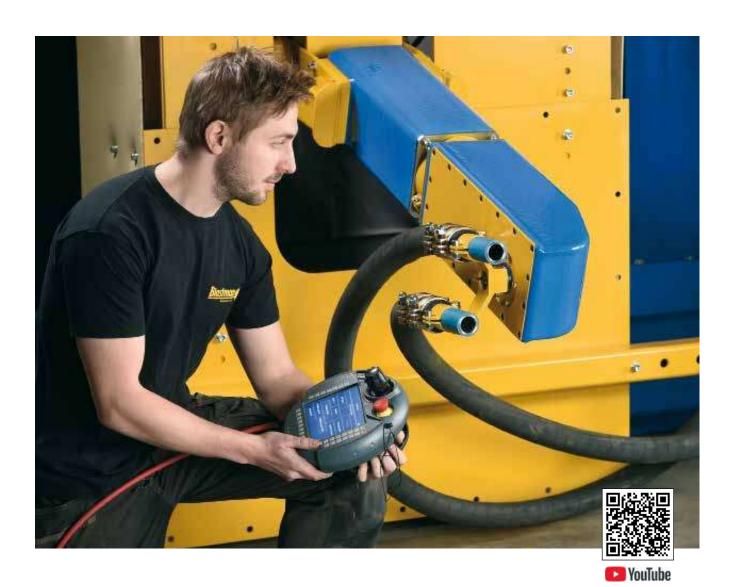


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^{*}Appl. to electrics in the blast room ** Depends on height



Blastman B12S



Built for blasting

The Blastman B12S is a "wall mount-type" blasting robot developed for blasting tubular work pieces such as sections of wind turbine towers. The B12S robot operates on the wall of the blast room. The main frame of the robot moves the robot arm in the longitudinal direction of the blast room on rails which are fixed on the walls of the blast room. The purpose of the robot arm connected to the carriage is to direct and move the blasting nozzle. The Blastman B12S robot typically consists of four (4) internal robot axis and one external axis which control the rotating stand of the work piece.

The Blastman B12S robot applications include: railway rolling stock, all kinds of steel structures and castings.

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AIRBLAST

Blastman B12S

Robot configuration

| | Range | Max. speed | Type |
|--------------------------|----------|------------|------|
| Axis 1 Main frame horiz. | 3 - 50 m | 0,3 m/s | Lin. |
| Axis 2 Shoulder | 145° | 20°/s | Rot. |
| Axis3 Arm head | 360 | 180°/s | Rot. |
| Axis4 Nozzle | 270 | 215°/s | Rot. |
| Axis 5 Rotating stand | | | Ext. |

Operation modes

Manual (external contr. cabin) Automatic

Parameter based automatic

Teaching methods

Teach In (option with ext. cabin)

Offline (option)

Parameter based (option)

Operational param.

| Nozzle diam. | 6 - 19 mm |
|----------------|-------------------------|
| Nozzle diam. | 1/4" - 3/4" |
| No. of nozzles | 1 or 2 |
| Air pressure | 4 - 11 bar |
| Air pressure | 50 - 150 psi |
| Cleaning rate | 200 m ² /h |
| Cleaning rate | 2150 ft ² /h |

Technical

Voltage 380-500V 50/60Hz Contr. voltage 24 VDC Sealing * IP65

Assembly Wall mounted Weight ** 1500 kg

* Appl. to electrics in the blast room

** Depends on height

Options

Control

- License for software updates
- Offline teaching
- VPN connection for remote diagnosis and SW updates
- Mobile monitoring
- Control of the rotating units
- Control of blast room machineries

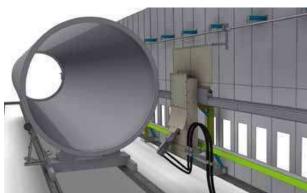
Blast equipment

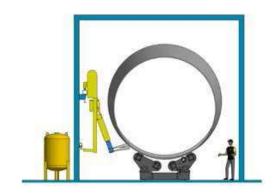
- Complete operational blast room
- Blast pot for robot
- Blast hoses
- Blast hose connectors
- Blast nozzles

Other

- Rails for the robot
- Warranty extension
- Installation services







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Blastman B20LW





Built for blasting

The Blastman B20LW is a gantry-type robot with six (6) axes. The robot's overhead crane type design allows the robot to move all around the workpiece and blast clean it from all sides. The robot arm is moving along a vertical beam allowing blasting at the top and bottom of the workpiece. The simple design of the B20LW makes it easy to maintain and very reliable.

The dimensions of the B20LW are always customized to match the size of the blast room and to meet the requirements of the workpiece. The small size of the robot makes it ideal for narrow blast rooms, that cannot house a larger traditional blasting robot.

Blastman B20LW robot applications include: railway rolling stock, all kinds of steel structures and castings.

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Blastman B20LW

Robot configuration

| | | Range | Max. speed | Type |
|--------|---------------------------|---------|------------|------|
| Axis 1 | Robot bridge longitudinal | 5-100 m | 0,3 m/s | Lin. |
| Axis 2 | Arm carriage across | 3-35 m | 0,25 m/s | Lin. |
| Axis 3 | Rotation of the telescope | 360° | 18,7°/s | Rot. |
| Axis 4 | Arm vertical | 2-6 m | 0,26 m/s | Lin. |
| Axis 5 | Arm head | 360° | 180°/s | Rot. |
| Axis 6 | Nozzle | 270° | 215°/s | Rot. |

Operation modes

Manual (external contr. cabin) Automatic

Parameter based automatic

Teaching methods

Teach In (option with ext. cabin) PTP

Offline (option)

Parameter based (option)

Operational param.

| Nozzle diam. | 6 - 19 mm |
|----------------|-------------------------|
| Nozzle diam. | 1/4" - 3/4" |
| No. of nozzles | 1 or 2 |
| Air pressure | 4 - 11 bar |
| Air pressure | 50 - 150 psi |
| Cleaning rate | 200 m ² /h |
| Cleaning rate | 2150 ft ² /h |

Technical

Voltage 380-500V 50/60Hz

24 VDC Contr. voltage Sealing * IP65

Assembly Wall mounted Weight ** 5100 kg

*Appl. to electrics in the blast room ** Depends on height

Options

Control

- License for software updates
- Offline teaching
- VPN connection for remote diagnosis and SW updates
- Mobile monitoringControl of blast room machineries

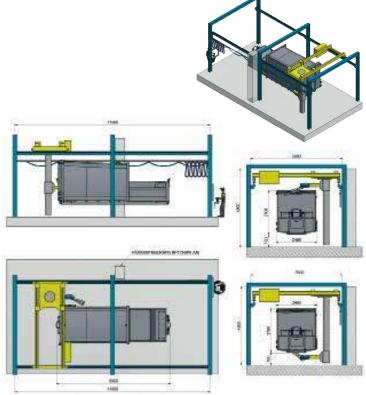
Blast equipment

- Complete operational blast room
- Blast pot for robot
- Blast hoses
- Blast hose connectors
- Blast nozzles

Other

- Rails for the robot
- Transfer car for the work piece
- Warranty extension
- Installation services





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Blastman MBU





Built for blasting

Blastman MBU is a movable blasting robot/manipulator, which provides very high cleaning power with large blasting nozzles.

The smart operating interface and drive mechanism

Blastman MBU provides excellent flexibility for your blasting application.

Operator, who is sitting in the air conditioned and ergonomically engineered operator cabin, controls the blasting and movements of the Blastman MBU by means of joy sticks and operation touch screen.

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AIRBLAST

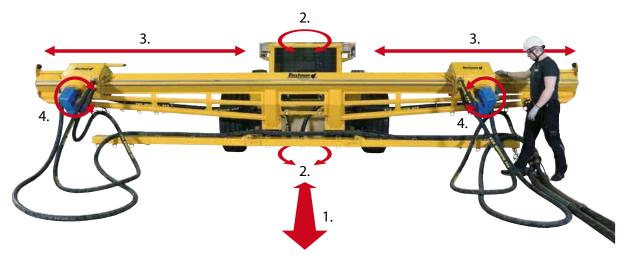
Blastman MBU

Robot configuration / horizontal boom

| | | Max. move | Max. speed | Type |
|--------|---------------------------|--------------|------------|------|
| Axis 1 | Vehicle drive | configurable | 0,6 m/s | Lin. |
| Axis 2 | Vehicle turn (both axles) | +-30° | 5,5°/s | Rot. |
| Axis 3 | Linear movement | 13000 mm | 0,4 m/s | Lin. |
| Axis 6 | Nozzle | 65° | 180°/s | Rot. |

horizontal boom

| Weight | 1200 kg |
|----------------------------|-----------------|
| Lenght | 800 mm |
| Width | 7000 / 13000 mm |
| The extensions to the boom | 3000 mm |
| Height | 1500mm |

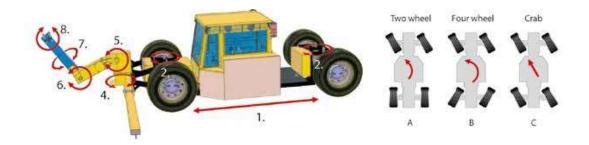


Robot configuration / arm

| | | Max. move | Max. speed | Type |
|--------|---------------------------|--------------|------------|------|
| Axis 1 | Vehicle drive | configurable | 0,6 m/s | Lin. |
| Axis 2 | Vehicle turn (both axles) | +-30° | 5,5°/s | Rot. |
| Axis 3 | Linear movement | 13000 mm | 0,4 m/s | Lin. |
| Axis 4 | Arm rotation | 180° | 25,5°/s | Rot. |
| Axis 5 | Shoulder | 175° | 21,5°/s | Rot. |
| Axis 6 | Elbow | 225° | 19,9°/s | Rot. |
| Axis 7 | Arm head | 360° | 180°/s | Rot |
| Axis 8 | Nozzle | 270° | 215°/s | Rot. |

Vehicle

| Weight | 4100 kg |
|--------|---------|
| Lenght | 5000 mm |
| Width | 2600 mm |
| Height | 1700mm |



Operation modes

Manual Automatic Parameter based automatic

Teaching methods

Teach In (option) PTP (option) Offline (option) Parameter based (option)

Operational param.

Technical

Voltage 380-500V 50/60Hz
Contr. voltage 24 VDC
Power supply 80 Amp
Sealing * IP65
Assembly On wheels

SECTION 6 PAGE 159



Blastman Transfer Cars



Built for blasting

In order to serve our customers with their blasting applications we have developed supporting machines and systems for blast rooms. It is often quite a challenge to move objects into a blast room and cleaned objects out from a blast room - we have therefore developed a product family of transfer cars for different loads. Blastman Transfer Cars operate reliably and accurately even if the object is standing on the car during the blasting process.

One our most popular models has been the adjustable pair of transfer cars, which can be adjusted according to the dimensions of the work piece.

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AIRBLAST

Blastman Transfer Cars

Technical

Axis 1 Longitudinal 3 - 100 m 0,3 m/s Lin Axis 2 Rotation (optional) 20°/s Rot.

Operation modes

Operational param.

Manual by push buttons Max load/unit: 60t External outside the blast room Max load/pair: 120t

Technical

Voltage 380-500V 50/60Hz
Contr. voltage 24 VDC
Sealing * IP65
Assembly On the rails

Weight **

- * Appl. to electrics in the blast room
- ** Depends on load

Options

Control

- Electrical drives
- Hydraulic drives
- Wireless control
- Positioning
- Linked into line automation

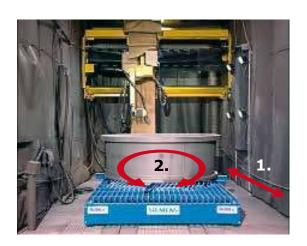
Other

- Rails for the transfer car robot
- Warranty extension
- Installation services













SECTION 6 PAGE 161





World leader in the supply of reliable and advanced robotic abrasive blast-cleaning systems

Blastman Robotics Ltd has over 30 years experience in delivering tailored applications for road and rail transport, foundries, wind power and energy, diverse steel structures, aerospace and much more.

Our goal is to provide our customers with exceptional added value

...through innovative and tailored solutions, which combine greater efficiency, reliability and flexibility, unsurpassed quality and greatly improved safety. These pioneering solutions are based on the strongest possible commitment to ongoing learning, exploration and development, enabling us to adapt to and meet new challenges.

Maintaining your chosen system throughout the entire life of the facility and supporting your company's changing needs, Blastman Robotics Ltd takes pride in being your dedicated, supportive and reliable partner.

From rail rolling stock to aerospace, Blastman's advanced robotic solutions are by far the most economical and reliable business choice.





Easy to use and teach

Blastman robots are extremely easy to use. They can be controlled manually, using two joysticks, where as other functions are available through a user-friendly touch screen.

Teaching of the robot is carried out by controlling the robot manually and recording the run. There are also other teaching methods, such as point-to-point and offline, available as optional features.

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Section 7 - Shot Blasting Machines

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RC-Line Shot Blasting Machines

The RC-line roller conveyer machines available in in 3 different versions. The S (Standard) & H (Heavy Duty) are shot blasting machines designed to process plates, sections, angles, pipes and others. Industries are shipyard, steel structure companies, steel stock holders, machine builders. The S & H version machines can be carried out with a pré heater, automatic painting unit and dryer.

The C (Construction) machine is specially designed for post -fab structural components to be used in industries such as shipyard, automobile, motorcycle, bridge, machine and others to be used in industries such as steel structure, machine builders, shipyards and subcontracters.









| Туре | S/H/C 15.410 | S/H/C 25.610 | S/H/C 33.801 | S/H/C 45.1010 |
|---|---------------------|---------------------|---------------------|----------------------|
| Effective cleaning width (mm) | 1500 | 2500 | 3300 | 4500 |
| Room feed-in size (mm) | 1550×600 | 2600×600 | 3400×600 | 4600×600 |
| Length of workpiece (mm) | 1200-12000 | 3000-12000 | 2400-12000 | 4500-18000 |
| Speed of wheel conveyer (stepless speed variation in mtr./min.) | 0.5-4 | 0.5-4 | 0.5-4 | 0.5-4 |
| Beam size reference (mm) | 1000×300 | 1300×300 | 2 x 800×300 | 2 x 1000×300 |
| Quantity of shot blasting (kg./min.) | 4 x 250 | 6 x 250 | 6 (8) x 360 | 8 x 360 |
| First enclosed quantity (kg.) | 4000 | 4500 | 8000 | 11000 |
| Roll brush adjusting height (mm) | 600 | 600 | 600 | 600 |
| Filter capacity (m³/hr.) | 8000 | 12000 | 16000 | 24000 |
| Exterior size (mm) | 15200×5370 ×6797 | 31200×8070 ×7500 | 44042×6385 ×7758 | 45000×7830 ×11117 |
| Power (except for dust cleaning) (kw) | 113.5 | 204.8 | 224.55 | 293.6 |

All machine types are available in S (Standard), H (Heavy Duty) and C (Construction) version.



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SH-Line Shot Blasting Machines

The SH-Line is compact in design, does not require a pit, and consists of units featuring single hook, double hook, lifting and non-lifting style designed to blast all kind of foundry parts, structural components, non-ferrous alloy parts.





| Туре | Model | Cleaning workpiece size (diameter x height) | Carrying capacity per unit hook (kgs.) |
|---------|---------------|--|--|
| SH376 | Single-hanger | 800×1200 | 600 |
| SH376E | Double-hanger | 800×1200 | 600 |
| SH378 | Single-hanger | 1000×1500 | 800 |
| SH378E | Double-hanger | 1000×1500 | 800 |
| SH3710 | Single-hanger | 1200×1500 | 1000 |
| SH3710E | Double-hanger | 1200×1500 | 1000 |
| SH3720 | Single-hanger | 1500×2000 | 2000 |
| SH3720E | Double-hanger | 1500×2000 | 3000 |
| SH3730 | Single-hanger | 1500 x 2000 | 3000 |
| SH3750 | Double-hanger | 2000×2500 | 5000 |



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TB-Line Shot Blasting Machines

The TB15GN, TB(R)32 and TB28GN machines can be used to remove sand and rust from cast, forged and welded parts as well as aluminum and other non-ferrous parts. This series is especially effective for hard-to-clean parts, non-fragile parts, and non-core castings. These machines are also available in full automation.







| Туре | ТВ326 | TB3210 | TBR3210 |
|--------------------------------|--------------------|--------------------|--------------------|
| Productivity (T/h) | 0.6 - 1.2 | 3 - 5 | 1.5 - 2.5 |
| Loading weight (kg) | 200 | 800 | 600 |
| Max. weight of one piece (kg) | 10 | 15 | 30 |
| Diameter of roller (mm) | 650 | 1000 | 1000 |
| Available capacity (m³) | 0.15 | 0.4 | 0.3 |
| Pill impelling volume (kg/min) | 100 | 250 | 250 |
| Dedusting air volume (m³/h) | 2200 | 6000 | 5000 |
| Power dissipation (kw) | 12.6 | 32.6 | 24.3 |
| Appearance dimension (mm) | 3681 x 1650 x 5800 | 3644 x 2926 x 5856 | 3972 x 2600 x 4768 |
| Total weight (kg) | 2340 | 5843 | 7400 |

| Туре | TB15GN | TB28GN |
|--------------------------------|-------------|-------------|
| Size of roller (mm) | 1090 x 1245 | 1245 x 1778 |
| Diameter of roller (mm) | 1092 | 1250 |
| Working cubage (m³) | 0.43 | 0,79 |
| Max. weight of one piece (kg) | 227 | 363 |
| Max. size of one piece (mm) | 1000 | 1000 |
| Loading weight (kg) | 800 | 3500 |
| Pill impelling volume (kg/min) | 480 | 340 x 2 |
| Impeller head power (kw) | 22 | 30 |



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MR-Line Shot Blasting Machines

The MR38 & MR48 are Multiple-Step Rotating Point machines featuring overhead rail and continuous duty operation.

These machines can be used to clean rust and sand from casting and work pieces to be fitted to vehicles such as bolsters and side frames, as well as other types of steel structure and mechanical parts.

These machines can be integrated in wet and powder paint lines and are very efficient and low cost maintenance.



| Туре | MR383 / MR483 | MR385 / MR485 | MR4810 |
|---------------------------------------|--------------------|--------------------|--------------------|
| Cleaning workpiece size (dia in mm) | 800 x 1200 | 1000 x 1500 | 1000 x 2500 |
| Number of workpiece position | 2 | 2 | 2 |
| Quantity of impeller head | 4 | 4 | 6 |
| Impeller head volume (kg/min) | 4 x 250 | 4 x 250 | 6 x 250 |
| Impeller head power (kw) | 4 x 15 | 4 x 15 | 6 x 15 |
| Max. hanging weight (kg) | 300 | 500 | 1000 |
| Productivity hanger (/h) | 30 - 60 | 30 - 60 | 40 - 60 |
| Cleaning workpiece size (mm) | 7680 x 2000 x 2900 | 7680 x 2000 x 2900 | 7680 x 2000 x 3800 |
| Total Air rate volume (m³/h) | 17000 | 19000 | 19000 |
| Power (except for dust cleaning) (kw) | 73.15 | 73.15 | 114.72 |

| Туре | MR583 | MR585 | MR5810 | MR588 |
|---------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Cleaning workpiece size (dia in mm) | 800 x 1500 | 800 x 1200 | 1300 x 2800 | 550 x 2200 |
| Number of workpiece position | 2 | 3 | 2 | 2 |
| Quantity of impeller head | 4 | 6 | 6 | 4 |
| Impeller head volume (kg/min) | 4 x 250 | 6 x 360 | 6 x 330 | 4 x 480 |
| Impeller head power (kw) | 4 x 15 | 6 x 22 | 6 x 22 | 4 x 22 |
| Max. hanging weight (kg) | 300 | 500 | 1000 | 800 |
| Productivity hanger (/h) | 40 | 55 | 50 | 30 |
| Cleaning workpiece size (mm) | 3062 x 1800 x 2800 | 8500 x 1800 x 3885 | 8500 x 2300 x 4800 | 6800 x 2600 x 3325 |
| Total Air rate volume (m³/h) | 16000 | 18000 | 18000 | 17200 |
| Power (except for dust cleaning) (kw) | 74.5 | 186.85 | 186.85 | 121.05 |



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HP-Line Shot Blasting Machines

The HP-line Shot Blasting Machines are designed for mono hanger rails for heavy duty construction. industries as agriculture, automotive, steel structures, very useful for full automated production plants.

All machines can be integrated in wet and powder paint lines and are also available in custom build



| Туре | НР20Н | НР50Н | HP3740H | HP3720H | |
|---|-------------------------|-------------------------|------------------------|------------------------|--|
| Exterior size of cle- aning casting (mm) | 5880 x 3185 x 957 | 4000 x 3270 x 1320 | 2500 x 4650 | 2000 x 3200 | |
| Type of impeller head | XQH400 | XQH400 | XQH350 | XQH350 | |
| Power (kw) | 8 x 18.5 | 8 x 18.5 | 8 x 15 | 12 x 11 | |
| Quantity of shot blasting (kg/min) | 8 x 280 | 8 x 280 | 8 x 250 | 8 x 250 | |
| Power (except for dust cleaning) (kw) | 187.4 | 187.4 | 148.3 | 168.3 | |
| Total Air rate volume (m³/h) | 30000 | 30000 | 19000 | 19000 | |
| External dimension (mm) | 18000 x 8150 x 11300 | 21000 x 7000 x 11509 | 14000 x 6200 x 7500 | 19000 x 7200 x 7080 | |



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PB-Line Shot Blasting Machines

The PB-Line Shot Blasting Machines (inner & outer) are suitable for the surface treatment of internal pipe and related products, available in different sizes for various industries such as oil & gas, steel stockholders and food industry.

Due to the high power turbines (45 Kw) on these machines we are capable to work in high production plants. The transport system makes it possible to work with various sizes in the proces.



| Туре | Cleaning size Cleaning speed (diameter in mm) (mtr/min) | | Purposes |
|---------|---|--------|-------------------------------------|
| OPB100 | 50 - 300 | 2 - 10 | |
| OPB720 | 159 - 720 | 2 - 6 | |
| OPB1200 | 219 - 1016 | 1 - 6 | Outer wall of shot blasting machine |
| OPB1500 | 325 - 1600 | 1 - 6 | |
| OPB2800 | 1016 - 2800 | 1 - 2 | |
| IPB100 | 50 - 300 | 1 - 4 | |
| IPB700 | 325 - 720 | 1 - 2 | Inner wall of shot |
| IPB1000 | 720 - 1016 | 1 - 4 | blasting machine |
| IPB1500 | 1016 - 1500 | 1 - 4 | |



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TT-Line Shot Blasting Machines

The TT-Line, TT36 & TT76 are designed to blast clean middle and large sized work pieces rotating on a trolley providing a bright and profiled surface, designed for heavy industries.



| Туре | TT365C | TT3610 | TT3620 | TT765C | | TT7620 | TT7630 |
|--|--------------------------|--------------------------|----------------------------|--------------------------|--------------------------|----------------------------|---------------------------|
| Cleaning workpiece size (mm) | 2500 x 1300 | 2500 x 1500 x 280 | 4000 x 3000 x 700 | 2500 x 1300 | 2500 x 1500 x 280 | 4000 x 3000 x 700 | 4000 x 2000 |
| Blasting capacity (kg/min) | 2 x 260 | 4 x 250 | 4 x 250 | 2 x 260 | 4 x 250 | 4 x 250 | 4 x 250 |
| Lifting capacity of elevator (t/h) | 40 | 60 | 75 | 40 | 60 | 75 | 60 |
| Separation quantity of separator (t/h) | 40 | 60 | 75 | 40 | 60 | 75 | 60 |
| Ventilation volume (m³/h) | 13200 | 240000 | 21000 | 13200 | 240000 | 21000 | 21500 |
| Power (except for dust cleaning) (kw) | 39.2 | 186.45 | 185.25 | 39.2 | 188.45 | 185.25 | 83.2 |
| External dimension (mm) | 9000 x 4200 x 9290 | 14900 x 500 x 8700 | 16900 x 6540 x 10020 | 9000 x 4200 x 9290 | 14900 x 500 x 8700 | 16900 x 6540 x 10020 | 9168 x 7680 x 10874 |



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RS-Line Shot Blasting Machines

The RS265, RS2615, and the RSES1422 Round Spring shot blasting machines have been specifically designed to acheive the perfect result when blasting round springs. Round springs offer a unique blasting challenge - complete blasting coverage is vital in the critical environment in which the springs operate. Positioning of the blast wheels is crutial in achieving the desired result.





| Туре | RS265 | RS2615 | RS1422 |
|---|--|--|----------------------------------|
| Maximum size of cleaning work | Gear wheel Ф1500×1700 Inner gear Ф400×2000 Height 200-500 | Gear wheel Φ 3000×1500 Inner gear Φ 400×2500 Height 200-500 | Diameter 50-300 Length: ≤ 700 |
| Diameter of revolving table (mm) | 1500 | 3000 | - |
| Diameter of small movement revolving table (mm) | 500 | 1000 | - |
| Carrying capacity of revolving table (kg) | 5000 | 15000 | - |
| Power of shot blasting (kw) | 3 x 18.5 | 3 x 18.5 | 30 |
| Mobile impeller head power (kw) | 1 x 18.5 | 1 x 18.5 | - |
| Quantity of shot blasting (kg/min) | 4 x 280 | 4 x 280 | 420 |
| Type of dust catcher (m³/h) | HR4-16 | HR4-32 | JZC40 |
| Total air rate volume (m³/h) | 10000 | 22000 | 5940 |
| Power (except for dust cleaning) (kw) | 107.15 | 119.3 | 40.05 |
| External dimension (mm) | 9350 x 3750 x 8790 | 12000 x 5250 x 8750 | 8230 x 762 x 1752 |



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TP-Line Shot Blasting Machines

The TP-line of Turning Plate shot blasting machines are designed to blast small to medium sized work pieces on a rotating plate. The units can be used to blast many different types of workpiece including forged and cast parts, car wheels and provides a bright and profiled surface. Available in Ferro and non-Ferro performance.



| Туре | | TP3512 | TPF3512 | TPF3525F |
|------------------------------------|----------------------------|--------------------|--------------------|--------------------|
| Dimension (of cleaning c | liameter) hamber (mm) | 1350 × 560 | 1350 x 860 | 2854 x 560 |
| Cleaning wor | kpiece size (mm) | 600 x 250 x 250 | 600 x 250 x 500 | 600 x 500 x 250 |
| Turntable | Loading weight (kg) | 400 | 400 | 1000 |
| car | Diameter (mm) | 1200 | 1200 | 2500 |
| Wheelblast | Blasting capacity (kg) | 200 | 2 x 120 | 2 x 250 |
| equipment | Power (kw) | 11 | 2 x 7.5 | 2 x 15 |
| Lifting capacity of elevator (t/h) | | 15 | 15 | 30 |
| Separation q | uantity of separator (t/h) | 15 | 15 | 30 |
| First loading | capacity (kg) | 400 | 400 | 1500 |
| Ventilation volume (m³/h) | | 2800 | 2800 | 5200 |
| External dimension (mm) | | 1500 x 3450 x 3780 | 1900 x 1900 x 4165 | 4260 x 3647 x 5366 |
| Power (exceptions) | | 24.5 | 24.5 | 35.2 |



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MB-Line Shot Blasting Machines

The MB-Line Mesh Belt shot blast machines provide a frequency controlled speed variable mesh belt surface on which a variety of parts can be uniformly blasted. The high quality mesh belt ensures that the work piece remains in the perfect position to be blasted. As each part is blasted in a controlled fashion this technology is perfect for thin-walled parts which could be damaged when impacting other parts (for example inside a tumble blasting machine). Capable of fully automatic operation the MB-Line machines are the perfect shot blasters to improve the quality and consistency of your castings, forgings, or other small parts.



| Туре | MB1000/4 | MB1000/8 | MB1250/4 | MB1250/8 |
|-----------------------------|---------------|---------------|---------------|---------------|
| Net width | 1000 mm | 1000 mm | 1250 mm | 1250 mm |
| Max. load capacity | 1200 kgs | 1200 kgs | 1200 kgs | 1200 kgs |
| Max. workpiece weight | 100 kgs | 100 kgs | 100 kgs | 100 kgs |
| Max. workpiece section size | 1500 x 500 mm |
| No. of blasting wheels | 4 | 8 | 4 | 8 |
| Dust air volume | 15000 m³/hr. | 15000 m³/hr. | 15000 m³/hr. | 15000 m³/hr. |
| The total power | 97.5 KW | 97.5 KW | 97.5 KW | 97.5 KW |



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Notes

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| RC-80-160 Grit recycling system | 184 |
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AIRVAC Portable Vacuum Recovery System

The Airblast AIRVAC is a robust, compact, highly efficient, pneumatic recovery unit.

Features

The Airblast AIRVAC is capable of recovering spent abrasives or any other form of solid materials, ranging in size up to 20 mm over a distance of up to 30 metres. The unit is fully air operated and only requires 250 cfm of air at 85 psi pressure (7 m3/min. at 5.8 bar). No other form of power is required to operate the unit. A simple modification converts the AIRVAC into a ventilation unit for ducting air from tanks etc.

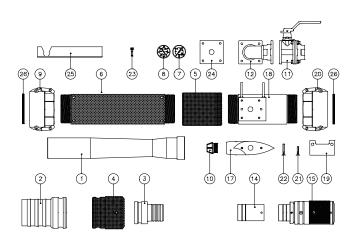
Accessories

A full range of accessories are available, such as suction and material conveying hoses suitable for conveying all bulk materials and blasting media. Reinforced and flexible hose for light cleaning. PVC vacuum hose for industrial cleaning. Light rubber hose for the suction of abrasive materials and durable rubber hose for heavy duty suction and retrieval. In addition a full range of couplings, connectors, suction hose manifolds compliment the range.



| ORDERING INFORMATION AIRVAC MARK III Assembly | | |
|---|---------|--|
| Part no. | 3064000 | |
| Weight | 27 kgs. | |

| AIRVAC Optional Accessories | | |
|-----------------------------|--|--|
| Part no. Description | | |
| 2183000 | 2½" (62 mm) antistatic flexible plastic hose | |
| 2184000 | 4" (100 mm) antistatic flexible plastic hose | |



| Item | Part no. | Description | Qty |
|------|----------|---|-----|
| 01 | 3065000 | AV-1 Venturi tube | 1 |
| 02 | 3066000 | AV-2 Discharge hose coupling | 2 |
| 03 | 3067000 | AV-3 Suction hose coupling insert | 1 p |
| 04 | 3068000 | AV-4 Suction hose coupling | 2 |
| 05 | 3069000 | AV-5 Mixing chamber | 1 |
| 06 | 3070000 | AV-6 Venturi sheath | 1 |
| 07 | 3071000 | AV-7 Pressure gauge | 1 |
| 08 | 3072000 | AV-8 Vacuum gauge | 1 |
| 09 | 3073000 | AV-9 Discharge coupler | 2 |
| 10 | 3074000 | AV-10 Nozzle | 2 |
| 11 | 3075000 | AV-11 Air valve | 1 |
| 12 | 3076000 | AV-12 Manifold assembly | 4 |
| 13 | 3077000 | AV-13 Pump assembly (body with aerofoil fitted) | 1 |
| 14 | 3078000 | AV-14 Restrictor | 1 |
| 15 | 3079000 | AV-15 Gulper (adjustable) | 1 |
| 16 | 3080000 | Dust collector door handle | 4 |
| 17 | 3081000 | AV-17 Aerofoil | 4 |
| 18 | 3082000 | AV-18 Body | 2 |
| 19 | 3083000 | AV-19 Leg bracket | 1 |
| 20 | 3084000 | AV-20 Body coupler | 1 |
| 21 | 3085000 | AV-21 Location screw - short (2 p/set) | 1 |
| 22 | 3086000 | AV-22 Location screw - long (2 p/set) | 1 |
| 23 | 3087000 | AV-23 Manifold screw (4 p/set) | 1 |
| 24 | 3088000 | AV-24 Manifold gasket | 1 |
| 25 | 3089000 | AV-25 Nozzle key | 1 |
| 26 | 3090000 | AV-26 Seal ring (camlock) | 1 |

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AIRBLAST

AIRVAC with Cyclone Separator

The Airvac with Cyclone Separator is a compact air-operated abrasive vacuum system that recovers abrasives for recycling. It is both efficient and cost effective.

Vacuum Recovery System

Incorporating the Airvac as the prime mover, it can produce above 14" Hg of vacuum when connected to an air supply of 250 cfm at 7 bar (100 psi). At these levels 3-5 tonne per hour recovery rates can be attained.

With just two units, a hopper/cyclone and a dust collector, the unit is flexible, extremely robust and easy to use, with the performance of larger more expensive machines. The system will in fact recover solids up to 50mm (2") in diameter over distances in excess of 100 metres, dependent upon particle size, type of material, volume and pressure of air supply.

Maintenance and operator attention is reduced to a minimum, as the Airvac has only one moving part. With no electrical power required, there's no risk of fire or explosion, particularly important in inflammable areas. The system conforms to all health and safety at work acts, particularly in respect of the lower noise levels – 83db at 2 metres.

Method of Operation

All material is recovered through the gulper suction head and is drawn via the rubber lined hose into the cyclone.

The vortex created in the cyclone separates the very fine dusts from the heavier particles which fall, under gravity, into the hopper.

A dump valve on the hopper is operated by an adjustable timer which can be set to suit the rate of recovery.

All material dust travels along the flexible intermediate hose to the filter box. Inside the box the 18 filter socks collect the dust as the airstream passes through.

Clean air is discharged through the JetPump each time the machine stops by reverse pulsing into the dust compartment situated at the bottom of the filter box.

Technical Specification

Power Source : Compressed air - 250CFM @ 7 bar (100PSI).

Suction Hose : 21/2" I.D.

Recovery Rate: 3 to 5 tonne per hour of expendable media dependent on hose lengths.

Weight: 600 kgs.

Filtration : Cyclonic primary filter with a 18 sock PNF dust collection system.



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ABVAC Mobile Vacuum Recovery System

ABVAC is an electric-powered suction unit mounted onto a rigid stand equipped with retractable legs. The unit is designed for the collection of anything from dust up to 50mm debris into a big bag and is ideal for both mobile use and for fixed installations. The unit can also be combined with an abrasive storage hopper to allow recovered abrasive to be reused.

The retractable legs make it easy to move around and they allow the discharge outlet height to be adjusted to fit any size of big bag. It's transportability means that the unit is mostly used as a free-standing suction unit with the connection of a 3" or 4" hose. However, it is also suitable for fixed installations connected to a fixed installed pipe system with multiple suction outlets.



Optimal Solution

As the unit is designed and equipped with an outlet for connecting a big bag, it can be used without a separate drop out box. The unit requires no compressed air and offers huge airflow per kW. The high suction capacity, together with its flexible discharge system, makes the unit very useful in most grit recovery situations.

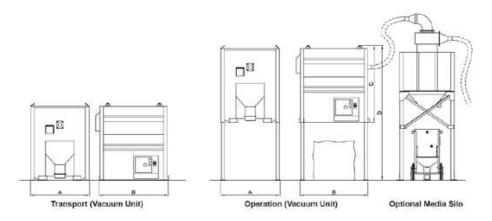
Due to its flexibility, the ABVAC unit gets access to most areas where cleaning needs to be carried out, increasing media recovery rates usually limited by long runs of hose. The unit is easily manoeuvred using a standard forklift truck or crane.

Why ABVAC

- Automatic big bag filling of collected material.
- CEE power intake for 32 or 63 A respectively.
- Filter system for dry and moist material.
- Automatic ATM filter cleaning system, without compressed air.
- Easy height adjustment to suit various big bags.
- Improved safety and lower labour costs.
- · Various options of safety filters.

Available with a wide range of flexible hoses, tools and extensions.

| Model | ABVAC 165 | ABVAC 165 | Optional Abrasive Silo |
|---------------------------------------|-----------|-----------|---------------------------|
| Weight, kg (empty) | 1130 | 1130 | ø |
| Max Vacuum, mbar | 290 | 400 | and lable |
| Max. Air Volume m³/h (unloaded) | 1100 | 1100 | es and |
| Electrical Motor, kW | 16,5 | 25 | a Ši |
| Voltage Frequency, V/Hz | 400/50 | 400/50 | |
| Filter surface, m ² | 10 | 10 | Various capacitie |
| Noise Level dB(A) (1 m/5 m distancea) | 75/70 | 75/70 | Val apa |
| Dimension dust inlet, dia mm | 108 | 108 | Ŭ |



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AB710 Heavy Duty Recovery & Cleaning System

This robust and extremely powerful system is designed for the recovery of blasting shot. Equipped with automatic pneumatic pinch valve and automatic self-cleaning NCF filter. Most of the dust is separated from the blasting shot or from the collected granulates. The dust is channelled into its own container, while the blasting shot or granulated material is fed back into the blasting pot, onto conveyors or into other containers.

Features

- Extremely high vacuum for suction of heavy material over long horizontal and vertical distances
- ♦ Dust separation from collected granules and grit
- ♦ Automatic filter cleaning and silo discharge

Applications:

- ♦ Cleaning of floors
- ♦ Cleaning of machines
- ♦ Cleaning of blasted area
- ♦ Removing of abrasive



| TECHNICAL DATA | METRICAL | IMPERIAL |
|----------------------------------|-----------------------|----------------------|
| Max. vacuum | 7800 mm WC | 307 in WC |
| Max. air flow | 318 Nm³/hr | 187 cfm |
| Compressed air consumption | 5,3 Nm³/min | 187 cfm |
| Compressed air pressure | 700 kPa | 7 bar |
| Noise level | 75 dB(A) | - |
| Main filter: | 43162001 | - |
| Main filter area: | 3,15 m² | 33,9 sq.ft |
| Main filter approval category: | H12 | - |
| Main filter type: | NCF | - |
| Main filter material: | PET w/membrane | - |
| Main filter cleaning method: | Pressurized air | - |
| Container gros volume: | 67 + 220 litres | 17,7 + 58,1gallon |
| Container practical volume: | 67 + 220 litres | 17,7 + 58,1gallon |
| Standard suction inlet diameter: | 63 mm | 2,5 inches |
| Standard suction hose diameter: | 63 mm | 2,5 inches |
| Standard suction hose length: | 10 metres | 32,8 feet |
| Standard suction hose quality: | PUR | - |
| Length x Width x Height: | 1875 x 1000 x 3025 mm | 74 x 39 x 119 inches |

Note: The vacuum cleaner is fully equipped and ready for immediate use.

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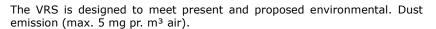


ABVR Series Vacuum Recovery System

Airblast ABVR series vacuum recovery system is designed to recover spent dry recyclable abrasives from a blasting area into a silo for subsequent return to the blast cleaning equipment or, in the case of expendable abrasives, for disposal into a waste hopper.

After depositing the abrasive into the silo, the vacuum flow containing air and dust continues on to the suction unit, where the dust particles in this stream are removed by high performance filter cartridges prior to exhausting air to atmosphere.

The VRS is of strong construction with sturdy maintenance access doors and contains the filter section fitted with safety relief valve and automatically sequenced reverse pulse-jet filter cleaning system, motor compartment housing an electric drive motor and a vacuum pump complete with exhaust silencer. This unit is also fitted with an electric control panel.





A feature of AIRBLAST ABVR series vacuum recovery system is the capability to vacuum clean any residual dust and abrasive particles from the blast cleaned surfaces to meet the high specifications laid down in National and International Standards of surface preparation.

| SPECIFICATIONS | | | | | |
|------------------------|---|--|--|--|--|
| Model | ABVR-90 | ABVR-75 | ABVR-45 | ABVR-30 | |
| Power supply | 3-Phase 415/ 50Hz | | | | |
| Process air volume | 3600 CMH | 3120 CMH | 2640 CMH | 1900 CMH | |
| Vacuum pressure | | 500 | mbar | | |
| Drive | | V-belt | driven | | |
| Rotational speed | | 1250 |) rpm | | |
| Electric motor | 90 kW IP55 class F | 75kw IP55 class F | 45 kW IP55 class F | 30 kW IP55 class F | |
| Dust filtration | Cycl | lone and cartridge dust coll | ector continuous pulse-jet | valve | |
| Over vacuum protection | | Vacuum r | elief valve | | |
| Protection | | Wrong phase, ov | erload, dust Level | | |
| Filter cleaning | | Periodic rev | verse air jet | | |
| Filter efficiency | 0.05% | | | | |
| Air cleaning | | Oil / water separa | ator @ 6 to 10 bar | | |
| Noise level | | 85 dB @ 5 m | radius scale A | | |
| Vacuum hose size | 4" / 5" / 6" | 4" / 5" | 4" | 3" | |
| Machine structure | | Open-skit | mounted | | |
| Start-stop method | | Star- | Delta | | |
| Control panel | | IP54 overloa | ad protection | | |
| Display gauges | Running amperes, vacuum | | | | |
| Recommended silo | 8 tons | 8 tons 8 tons 5 tons 4 tons | | | |
| Weight | approx 5000 kgs. | approx 4500 kgs. | approx 3000 kgs. | approx 2650 kgs. | |
| Dimensions | 3.45 x 2.25 x 2.5 mtr. | 2.67 x 2.2 x 2.12 mtr. | 2.4 x 1.9 x 1.9 mtr. | 2.0 x 1.6 x 1.9 mtr. | |
| Recovery rate | Up to 10 tons/hr, 40m vertical (suction), 15m horizontal (machine to silo) | Up to 8 tons/hr, 30m vertical (suction), 15m horizontal (machine to silo) | Up to 5 tons/hr, 25m vertical (suction), 15m horizontal (machine to silo) | Up to 3.5 tons/hr, 20m vertical (suction), 15m horizontal (machine to silo) | |

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RC-50-20 Grit Recycling System

The RC-50-20 is a mobile abrasive recycling machine which can be used inside or outside. Several types of reusable abrasive can be recycled by the RC-50-20, the rate of recycling depends upon the type of abrasive being processed. Used abrasive is manually fed into the intake hopper from where it is collected by the bucket elevator and transported up the funnel. At the top of the funnel the abrasive is poured onto the spreading plate which ensures an even, shallow and wide flow down into the cascade cleaner. Inside the cascade cleaner the larger particles are separated into a dust bag, and the smaller particles are extracted by a separate cartridge filter which features solenoid controlled automatic pulse cleaning. Depending upon which abrasive is being recycled the unit can be adjusted to ensure that the abrasive flow and particle separation are fine tuned to be as effective as possible. The cleaned abrasive is deposited into a hopper ready for reuse. The unit is manufactured in Europe from 3mm and 5mm steel to the highest quality standards. The motors and gearboxes are sealed and lubricated for life. The unit requires an electrical connection of 400 volts – 50 Hz as well as compressed air.

TECHNICAL SPECIFICATIONS

Dimensions (in standing position):
Height : 4.000 mm
Width : 1.500 mm
Depth : 1.800 mm
Weight (empty) : 650 kg.

DELIVERY INCLUDES

E 50 ELEVATOR

Total height : 4.000 mm

Capacity : 50 liter per minute

Motor power : 0,75 kW

Electrical power : 400 Volt, 50/60 Hz.

Made from 2 and 3 mm sheet steel, reinforced with steel profile. Equipped with a motor, gearbox, dust free rolling element, and an inspection hatch.

K 350 CASCADE CLEANER

Height : 650 mm Width : 350 mm

Made from 3 and 5 mm steel plate. The cleaner is mounted between the elevator and the stock silo.

PF 1-L DUSTFILTER (FOR CASCADE CLEANER)

Cartridge Filter with automatic continuous solenoids which activate pulse cleaning. Filter installation made from 3 mm steel plate with sleeve profiles and reinforcements. The filter installation consists of the following components: Undercarriage with preseparator and dust silo with rubber plug valve, Filter cabinet with integrated compressed air filter cartridge and cleaning system and a Fan.

Technical specifications

Exhaust capacity : 960 m³/h Static pressure : 1,200 Pa Motor power : 0.75 Kw

Motor voltage : 400 Volt-50/60 Hz

Filter cartridge : 1 pc. Filter area : $325 \times 15 \text{ m}^2$

Filter material : polyester nonwoven NA 806

Max. dust emission : < 1.5 mg/nm³

Dedusting : automatically by compressed air; max. 6 bar

Valves : 1 pieces 1½" G

Pulse pressure : ± 5 bar Pulse cycle time : adjustable

Exhaust pulse : 1 cartridge equivalent

Noise level : 78 dBA

Dust extraction : PVC bag

S-200 HOPPER

Abrasive silo 200 litre. Made from 3 mm sheet steel, reinforced with steel profile and equipped with a grit valve and closing lid.

ELECTRIC PANEL

Complete with automatic switch controllers, mainswitch, failure lamp and control buttons.

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RC-50-150 Grit Recycling System

The RC-50-150 is an abrasive recycling system which can be used inside or outside. Several types of reusable abrasive can be recycled by the RC-50-150 into bigbags or blast vessels. The rate of recycling depends upon the type of abrasive being processed.

Operating principle:

Dust laden air enters through the inlet plenum of the collector, where heavy particles fall immediately into the hopper. As the air flows through the filtercartridges, dust is deposited on the outside of the filtering media. The filtercartridges are cleaned automatically and continually without interrupting the operation of the dustcollector. An adjustable timer controls the cycletime. Solenoid valves introduce jets of high-pressure air into the cartridges in turn, through the venturi opening above each cartridge. The resulting reverse airflow cleans the filter cartridges. Dust removed from the filter surface settles into the hopper. As each pair of filter cartridges is cleaned in succession, the remaining stay.

The used abrasive has to be put into the abrasive hopper, then it comes in a regulated flow to the elevator. From the elevator it comes in the rotary sieve, with holes \emptyset 4, 5 and 6 mm at choice, if the abrasive is polluted with big parts like coating scale, woodchips, glass, etc. these contaminats are separated through the rotating movement of the sieve. The sieve is supplied complete with a dust exhaust connection. After the sieve the abrasive flowis through a cascade system.



The air wash action can be regulated to control the size of the reusable abrasive. Dust and non-usable (to fine) abrasive are automatically discharged and collected in big bags or extracted by the separate filter. The cleaned abrasive will fall into the abrasive silo and is ready to be store into bigbags or into blast vessels.

The system is supplied complete with: crane hooks, inspection covers and flexibel dust-exhaust ducting to the bigbags.

TECHNICAL SPECIFICATIONS

Dimensions (in standing position):
Height : 4.780 mm
Width : 2.180 mm
Depth : 2.180 mm
Weight (empty) : 3.500 kg

Total electrical power : 2 kW 400 Volt - 50/60 Hz.

Compressed air : 5 bar Capacity silo : 1.600 Liter Capacity elevator : 3.000 Liter/hour

> for garnet this is 2,3 x 3.000 / 1000 = 6.9 ton/hour > for steel grit this is 4,5 x 3.000 / 1000 = 13.5 ton/hour

DELIVERY INCLUDES

ABRASIVE HOPPER WITH INLET SIEVE

Opening dimensions: Width approx. : 700 mm

Depth approx. : 500 mm Height approx. : 650 mm

Made of 3 mm. Steel plate complete with sieve and grit regulating system to prevent bucket conveyor overload.

BUCKET ELEVATOR E-50

Gear motor : 0,75 kW Capacity : 50 ltr./min.

Closed dust free bearing system. Special belt with Columbus buckets.

AUTOMATIC SELF CLEANING ROTARY SCREEN TZ-80 (capacity 80 Liter per minute)

Made of 2 mm and 3 mm steel plate, reinforced with profiles. Provided with motor reductor 0,37 kW 400 Volt, dust-closed bearings and an inspection cover.

Abrasive Cleaning: The rotary sieve must be used if the abrasive is polluted with big parts like coating-scale, wood chips, glass, etc.. The contamination is separated through the rotating movement of the sieve. Further, the sieve comes complete with a dust exhaust connection.

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RC-50-150 Grit Recycling System

GRIT CLEANING SYSTEM

Consisting of one heavy-duty cascade system with double air wash action of the abrasive, mounted directly onto the outlet of the elevator. Oversized materials are separated by screens in the bucket elevator hopper. Cascade cleaner is connecting with a sucting ducting Ø 180 mm to the filterunit.

The air wash action can be regulated to control the size of re-usable abrasive. The dust and non-useable abrasive (too fine) are discharged automatically and collected in big bags or extracted by the separate filter.

Technical specifications

Exhaust capacity : 960 m³/h Total pressure : 1.200 Pa

Motor power : 0.75 Kw, 400/690 Volt, 3-Ph, 50 Hz

Filter cartridge : 1 pc. Ø 325 x 1000 mm

Filter area : 15 m^2 Filter material : polyester fabric Filter percentage : 99,9 % Max. dust emmision : < 1,5 mg/nm^3

Cleaning : continuous by compr. air max. 5 bar

Solenoid valves : 1 pcs (1" G)
Cleaning pressure : 4 bar
Cycle time : adjustable

Sequence : 1 cartridge simultaneous

Dust collecting bags: PVC bag

ABRASIVE STORAGE SILO 1500 LTR

Silo constructed of 3mm steel plate and profiles complete with abrasive stop and connection for 2 bigbags or 2 blast vessels.

ELECTRIC PANEL

Complete with automatic switch controllers, mainswitch, failure lamp and control buttons.

STEEL FRAME CONSTRUCTION

All components are mounted within a sturdy steel frame complete with crane hooks, so in this case the unit is easy to transport and requires little down-time to set up.

All components are mounted within a sturdy steel frame, so the unit is easy to transport and requires little downtime to set up.

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RC-80-160 Grit Recycling System

The RC-80-160 is an abrasive recycling system which can be used inside or outside. Several types of reusable abrasive can be recycled by the RC-80-160 into bigbags or blast vessels. The rate of recycling depends upon the type of abrasive being processed.

Operating principle:

Dust laden air enters through the inlet plenum of the collector, where heavy particles fall immediately into the hopper. As the air flows through the filter cartridges, dust is deposited on the outside of the filtering media. The filter cartridges are cleaned automatically and continually without interrupting the operation of the dust collector. An adjustable timer controls the cycletime. Solenoid valves introduce jets of high-pressure air into the cartridges in turn, through the venturi opening above each cartridge. The resulting reverse airflow cleans the filter cartridges. Dust removed from the filter surface settles into the hopper. As each pair of filter cartridges is cleaned in succession, the remaining stays.

The used abrasive has to be put into the abrasive hopper, then it comes in a regulated flow to the elevator. From the elevator it comes in the rotary sieve, with holes \emptyset 4, 5 and 6 mm at choice, if the abrasive is polluted with big parts like coating scale, woodchips, glass, etc. these contaminats are separated through the rotating movement of the sieve. The sieve is supplied complete with a dust exhaust connection. After the sieve the abrasive flowis through a cascade system.



The air wash action can be regulated to control the size of the reusable abrasive. Dust and non-usable (to fine) abrasive are automatically discharged and collected in big bags or extracted by the separate filter. The cleaned abrasive will fall into the abrasive silo and is ready to be store into bigbags or into blast vessels.

The system is supplied complete with: crane hooks, inspection covers and flexibel dust-exhaust ducting to the bigbags.

TECHNICAL SPECIFICATIONS

Dimensions (in standing position):
Height : 4.780 mm
Width : 2.180 mm
Depth : 2.180 mm
Weight (empty) : 3.000 kg

Total electrical power : 2,75 kW 400 Volt - 50/60 Hz.

Compressed air : 5 bar
Capacity silo : 1.600 Liter
Capacity elevator : 4.800 Liter/hour

> for garnet this is 2,3 x 4.800 / 1000 = 11 ton/hour > for steel grit this is 4,5 x 4.800 / 1000 = 21 ton/hour

DELIVERY INCLUDES

ABRASIVE HOPPER WITH INLET SIEVE

Opening dimensions: Width approx. : 700 mm

Depth approx. : 500 mm Height approx. : 650 mm

Made of 3 mm. Steel plate complete with sieve and grit regulating system to prevent bucket conveyor overload.

BUCKET ELEVATOR E-80

Gear motor : 1,5 kW
Capacity : 80 ltr./min.

Closed dust free bearing system. Special belt with Columbus buckets.

AUTOMATIC SELF CLEANING ROTARY SCREEN TZ-80 (capacity 80 Liter per minute)

Made of 2 mm and 3 mm steel plate, reinforced with profiles. Provided with motor reductor 0,37 kW 400 Volt, dust-closed bearings and an inspection cover.

Abrasive Cleaning: The rotary sieve must be used if the abrasive is polluted with big parts like coating-scale, wood chips, glass, etc.. The contamination is separated through the rotating movement of the sieve. Further, the sieve comes complete with a dust exhaust connection.

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RC-80-160 Grit Recycling System

GRIT CLEANING SYSTEM

Consisting of one heavy-duty cascade system with double air wash action of the abrasive, mounted directly onto the outlet of the elevator. Oversized materials are separated by screens in the bucket elevator hopper. Cascade cleaner is connecting with a sucting ducting \emptyset 180 mm to the filterunit.

The air wash action can be regulated to control the size of re-usable abrasive. The dust and non-useable abrasive (too fine) are discharged automatically and collected in big bags or extracted by the separate filter.

Technical specifications

Exhaust capacity : 960 m³/h Total pressure : 1.200 Pa

Motor power : 0.75 Kw, 400 Volt, 3-Ph, 50 Hz Filter cartridge : 1 pc. \emptyset 325 x 1000 mm

Filter area : 15 m²
Filter material : polyester fabric
Filter percentage : 99,9 %
Max. dust emmision : < 1,5 mg/nm³

Cleaning : continuous by compr. air max. 5 bar

Solenoid valves : 1 pcs (1" G)
Cleaning pressure : 4 bar
Cycle time : adjustable

Sequence : 1 cartridge simultaneous

Dust collecting bags: PVC bag

ABRASIVE STORAGE SILO 1500 LTR

Silo constructed of 3mm steel plate and profiles complete with abrasive stop and connection for 2 bigbags or 2 blast vessels.

FLECTRIC PANEL

Complete with automatic switch controllers, mainswitch, failure lamp and control buttons.

STEEL FRAME CONSTRUCTION

All components are mounted within a sturdy steel frame complete with crane hooks, so in this case the unit is easy to transport and requires little down-time to set up.

All components are mounted within a sturdy steel frame, so the unit is easy to transport and requires little downtime to set up.

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Can Crusher

The Airblast Can Crusher crushes all types of metal cans, tins, paint drums and paint pails up to 30 litres, compacting cans up to a sixth of their original size with ease.

This not only offers cost savings on waste skip transport charges to landfill sites but also helps to maintain a safer, tidier workspace.

Once a paint drum to be processed is placed within the can crusher, the joystick is depressed to start the approximate 20 second cycle, during which the door is locked by an automatic safety system.

Containers positioned in the can crusher are automatically pierced without removing the lids, alternatively the same devices drain solvent deposits when required for desposal and a removable drip tray catches any paint, oil or other liquids which may be expelled from the container during the crushing cycle.

Features

- ♦ Safe and easy operation
- ♦ No electrical installation required
- ♦ Full height viewing window
- ♦ Robust construction
- Maintenance free
- ♦ Powder coat finish



| TECHNICAL DATA | | | | |
|----------------------|---------------------------------------|--|--|--|
| Overall height | 2020 mm | | | |
| Overall width | 665 mm | | | |
| Overall depth | 485 mm | | | |
| Depth when door open | 810 mm | | | |
| Crusher time cycle | 20 seconds (based on a 30 litre pail) | | | |
| Air requirements | 215dm3/cycle @10bar/145psi | | | |

| ORDERING | ORDERING INFORMATION | | | | |
|----------|----------------------|--|--|--|--|
| Part no. | Description | | | | |
| 8985000 | Can Crusher 30 ltr. | | | | |

Can Crusher 5 litre bench top machine and 205 litre drum models also available.

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A-Series Venturi Blowers

Airblast Venturi Air Blowers are a perfect solution for ventilating or extracting hazardous and explosive vapors from tanks, as well as a variety of other functions. Additionally, it can be used to cool down machinery or workers. Its function is to accept high pressure air from a compressor and using the venturi principle create a suction trough the base of the unit. Maximum air pressure: 140 PSI.

Construction:

- Constructed with galvanized steel
- Single piece cast aluminum inlet housing
- Sturdy steel galvanized steel diffuser
- · Static ground attached to base of unit
- Steel handle
- · Quick coupling inlet connection
- Multiple inlet ports

| ORDERING INFORMATION | | | | |
|----------------------|-----------------------|--|--|--|
| Part no. | Description | | | |
| 8850002 | A-1000 Venturi Blower | | | |
| 8850003 | A-1200 Venturi Blower | | | |
| 8850006 | A-2900 Venturi Blower | | | |
| 8850008 | A-4100 Venturi Blower | | | |
| 8850009 | A-6200 Venturi Blower | | | |



SAFETY PRECAUTIONS

An electric ground or static ground is attached to the base of all air blowers. When using this air blower in a volatile atmosphere, attach a ground wire to discharge any static electricity, preventing a build-up of static electricity. Airblast pneumatic air blowers have no moving parts and are ideal for venting hazardous areas. The bases are made from a high quality aluminium alloy. Aluminium scraped across rusty steel can sometimes cause a smear. A heavy smear of aluminium on steel (being struck with some object) can cause an incendiary spark. Take precautions not to drag the base on steel tanks, etc.

While there are no moving parts to the air blowers, all of the performance ratings in this brochure are based on a unit that had a clean air reservoir and nozzle jets that are of the proper diameter and not plugged in any way. Care should be taken to prevent clogging of the nozzle jets and a periodic cleaning with a steam cleaner would be appropriate maintenance. Secure the air blower in place prior to turning on the air supply or it may move from its intended position.

| | AIR FLOW | | | | | |
|--------|----------|-------------------|----------|----------------------|---------|----------|
| | , | AIR CONSUMED (CFN | 1) | TOTAL AIR FLOW (CFM) | | |
| Model | 60 PSIG | 80 PSIG | 100 PSIG | 60 PSIG | 80 PSIG | 100 PSIG |
| A-1000 | 31 | 41 | 51 | 863 | 1076 | 1205 |
| A-1200 | 31 | 41 | 51 | 1135 | 1308 | 1465 |
| A-2900 | 60 | 81 | 101 | 2560 | 3020 | 3698 |
| A-4100 | 108 | 142 | 178 | 4215 | 4810 | 5435 |
| A-6200 | 189 | 252 | 380 | 6182 | 7304 | 8220 |

| DIMENSIONS | | | | | | |
|------------|---------------------------|-----------------------------|---------------------------------|-------------------------|---------------------------------|-------------------------|
| Model | Overall Length (mm) | Diameter of Base (mm) | Diameter Top of Horn (mm) | Inlet Size (inch) | Bolt Circle Diameter (mm) | Net Weight (kgs.) |
| A-1000 | 426 | 186 | 153 | 1/2 | 167 | 2,5 |
| A-1200 | 775 | 186 | 178 | 1/2 | 167 | 4 |
| A-2900 | 1124 | 286 | 318 | 1 | 267 | 10 |
| A-4100 | 1170 | 365 | 362 | 1 | 346 | 17 |
| A-6200 | 1220 | 432 | 400 | 1 | 394 | 20 |

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AIRBLAST

AB-JF Jet Fans

The Airblast Jet Fan is a four-bladed vaneaxial fan which operates through a high velocity jet of compressed air which is ejected from the trailing edge of the blade. This results in the forward rotation of the fan wheel just like a jet plane is pushed forward by the high-velocity jet ejected from the rear of the jet engine.

Features:

- Use for general ventilation in any location where compressed air is available.
- Suiteable for ventilation of tanks, process vessels, or other confined areas for the removal of hazardous fumes or contaminated air from welding, sandblasting and other operations.
- Rated operating pressure 3-8 bar (40-110 PSI).
- Design allows for lower RPMs while still moving significant air volumes.
- Bearings are repacked with a hi-tech synthetic lubricant for longer life.
- Propeller balanced by removing material from end of blades.
- Use as blower or exhauster.
- Electro polished stainless steel fan guard.
- Heat treated to T6 aircraft aluminum specifications.
- Super-duty, high quality, high pressure air seal for longer service.
- Six guide vanes to smooth air flow eliminating turbulence.

Construction:

- Fan blade and housing: Spark resistant 356 aluminum heat treated to T6 aircraft aluminum specification.
- Fan Guards: Stainless steel; meets OSHA requirements.
- · Shaft: Stainless steel.
- Locking mechanisms: Stainless steel lock shield, bear hug retainer.
- Bearings: Premium ball bearings sealed with a high-performance synthetic grease.
- Flanges: Matches 20" & 24" American Petroleum Institute tank opening.
- Convertible design: Use for supply or turn it around and use as an exhauster; flange mountings are identical on both sides.

| ORDERING INFORMATION | | | | | | |
|----------------------|------------------|--|--|--|--|--|
| Part no. | Description | | | | | |
| 8850090 | AB-JF 20 Jet Fan | | | | | |
| 8850007 | AB-JF 24 Jet Fan | | | | | |

| | OPTIONAL | | | |
|----------------------------------|----------|--|--|--|
| Description | | | | |
| 20" API Flange Plate (508 mm) | | | | |
| 24" API Flange Plate (609.66 mm) | | | | |

| | Performance CFM against static pressure | | | | | | | | | | | |
|------------|---|--------------|--------|--------|-------------|----------|----------|--------|----------|-------|-------|-----|
| Compres. | Average | Air | | CA | PACITY (CFM |) AGAINS | T STATIC | PRESSU | JRE (IN. | WC) | | |
| air (PSIG) | RPM | Usage CFM | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| AB-JF20 | | | | | | | | | | | | |
| 40 | 2,080 | 60 | 5,920 | 3,580 | 1,650 | 220 | 0 | | | | | |
| 60 | 2,695 | 114 | 7,600 | 5,870 | 3,860 | 2,350 | 1,200 | 200 | 0 | | | |
| 80 | 3,225 | 186 | 9,100 | 7,730 | 6,000 | 4,410 | 3,180 | 2,140 | 1,190 | 270 | 0 | |
| 100 | 3,670 | 292 | 10,420 | 9,200 | 7,850 | 6,260 | 4,770 | 3,650 | 2,680 | 1,850 | 1,070 | 350 |
| AB-JF24 | | | | | | | | | | | | |
| 40 | 1,565 | 76 | 8,104 | 2,391 | 0 | | | | | | | |
| 60 | 2,053 | 147 | 11,005 | 7,312 | 2,649 | 0 | | | | | | |
| 80 | 2,570 | 225 | 12,848 | 9,969 | 6,223 | 3,397 | 1,225 | 0 | | | | |
| 100 | 3,138 | 338 | 16,136 | 13,975 | 11,295 | 8,350 | 6,326 | 4,638 | 2,950 | 1,261 | 0 | |

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Compressed Air Aftercoolers

Compressed-air conditioning is indispensable for ensuring fault-free performance of blasting and paintspraying equipment as well as for compressed air tools. Conditioned compressed air contributes to improving the quality of blasted surfaces since most of the oil and water have been removed from the compressed air. Conditioned air improves productivity, reduces maintenance and lowers operating costs.

Air-Cooled Compressed Air After-Coolers

Airblast air-cooled after coolers uitlize free and readily available atmospheric air as the cooling medium. The hot and with moisture laden compressed air is effectively treated to reduce and eliminate the moisture load on downstream equipment. The units are available as electrically or pneumatically operated models and are supplied complete with a moisture separator and oiler for pneumatic motors and are fitted in a heavy duty transport frame.

Compressed Air Filters

Airblast filters protect compressed air dryers, equipment, instrumentation and processes by removing compressor oils, dirt, rust and other types of contaminants. We supply air filters of various types; ceramic filters capable of filtering up to 3 microns and fibre membrame filters for filtering up to 0.01 microns. All filter elements are designed and built to provide maximum reliability and service life at the lowest possible pressure drop.

Capacities are based upon the following conditions:

Ambient temperature : 21°C - 35°C

Working pressure : 7 bar (max. 12 bar)

Rel. humidity : 60% Air inlet temperature : 120°C

Delta T : 9°C (above ambient temperature)



| ORDERING INFORMATION | | | | |
|----------------------|-------------|----------------------------|-----------------------|--|
| Art. nr. | Model | Nominal capacity (m³/min.) | Air consumption (Ipm) | |
| 5082000 | ABAC-30 PN | 3 | 250 | |
| 5082500 | ABAC-40 PN | 4 | 300 | |
| 5083500 | ABAC-65 PN | 6 | 450 | |
| 5084000 | ABAC-80 PN | 8 | 500 | |
| 5084500 | ABAC-120 PN | 12 | 600 | |
| 5085000 | ABAC-160 PN | 16 | 750 | |
| 5085500 | ABAC-200 PN | 20 | 750 | |
| 5086000 | ABAC-250 PN | 25 | 950 | |

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DC-6, DC12 & DC-20 Mobile Dust Collectors

Compact, transportable, flexible and well designed - These are the main features of the Airblast mobile dust collection systems, either standard or designed specifically for the job on hand. A complete range of easy-to-transport filter units, cartridge or bag type for use on shipyards, bridges or for many other blast cleaning operations. Most popular sizes are suitable for 6.000, 12.000 and 20.000 cubic meters per hour.

Operating principle

Dust laden air enters through the inlet plenum of the collector, where heavy particles fall immediately into the hopper. As the air flows through the filter cartridges, dust is deposited on the outside of the filtering media. The filter cartridges are cleaned automatically and continually without interrupting the operation of the dust collector. An adjustable timer controls the cycle-time.

Solenoid valves introduce jets of high-pressure air into each pair of cartridges in turn, through the venturi opening above each cartridge.



The resulting reverse airflow cleans the filter cartridges. Dust removed from the filter surface settles into the hopper. As each pair of filter cartridges is cleaned in succession, the remaining stay in operation. Extremely high dust loading is handledeasily.

Further complete with electrical panel with automatic switch controllers, main switch, signalling lamps and control buttons for 1 ventilator and control unit for cartridge cleaning valves.

| Me | OBILE DUST COLLECTOR | S | |
|--|-----------------------------------|-----------------------------------|-----------------------------------|
| | DC-6 | DC-12 | DC-20 |
| Exhaust capacity (m³/hr) | 6.000 | 12.000 | 20.000 |
| Static pressure (Pa) | 2000 | 2000 | 3000 |
| Electric motor (kW) (Volt) (Phase) (Hz) | 5,5 400 3 50 | 12 400 3 50 | 30 400 3 50 |
| Filter cartridges (pcs.) | 6 | 12 | 20 |
| Filter area (m²) | 93,6 | 187,2 | 312 |
| Filter material | polyester fabric Type NA - 806 | polyester fabric Type PE - 806 | polyester fabric Type NA - 806 |
| Filter percentage (%) | 99,9 | 99,9 | 99,9 |
| Max. dust emission (mg/nm³) | < 3 | < 3 | < 3 |
| Collecting bags (pcs.) | 2 | 4 | 4 |
| Connection (Ø mm) | 1 x 300 | 2 x 300 w/regulating valve | 3 x 300 w/regulating valve |
| Cleaning air pressure | conti | nuous by compressed air max. | 5 bar |
| Nr. of solenoid valves | 6 (1" G) | 4 (1½" G) | 8 (1½" G) |
| Pulsation pressure (bar) | ± 4 | ± 5 | ± 5 |
| Cycle time | | adjustable | |
| Sequence | 1 cartridge simultaneous | 3 cartridges simultaneous | 2 or 3 cartridges simultaneous |
| Inspection hatch | 1 pc. | 2 pcs. | 1 pc. |
| Weight (kgs) | ± 900 | ± 1260 | ± 2300 |
| Dimensions Total lenght (mm) Width (mm) Height (mm) | 2300 1150 2150 | 3350 2050 2350 | 4500 2000 2400 |

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DC-12/ATEX Mobile Dust Collector

Mobile "explosion proof" cartridge dust-filter unit suitable for dust extraction during metallization with 85/15 zink/aluminium wire or 100% zink made of steel sheet 3 mm reinforced with steelprofiles.

Consisting of:

- Complete ATEX Explosion proof cartridge dust-filter suitable for dust-extraction during metallization with 85/15 zink/ aluminium wire and blasting. Max. KST 250 bar•m/s.
- Explosion panel positioned on top of the filter unit.
- Directly driven ventilator suitable for zone 21.
- Ventilator is provided with an encasing for noise reduction,
 Noise level approx. 72 dbA.
- Ducting including back pressure valve and special preseparator.
- Air exhaust is including silencer.
- The complete installation is grounded, ground terminal will be provided by the customer; connection close to the filterunit.



| MOBILE DUST COLLECTORS | | | | |
|---|------------------------------------|--|--|--|
| DC-12 ATEX | | | | |
| Exhaust capacity (m³/hr) | 6.000 | | | |
| Max. KST-value (bar•m/s) | 250 | | | |
| Total pressure (Pa) | 3200 | | | |
| Electric motor (kW) (Volt (Hz) | 7,5 400/690 50 | | | |
| Fan | EX II 3D T 80 °C - directly driven | | | |
| Filter cartridges (pcs.) | 12 | | | |
| Filter area (m²) | 187,2 | | | |
| Filter material | anti static | | | |
| Filter category | BIA category M | | | |
| Filter percentage (%) | 99,9 | | | |
| Max. dust emission (mg/nm³) | < 0,2 | | | |
| Cleaning | automatic pressure air; max. 6 bar | | | |
| Hose connection (Ø mm) | 300 | | | |
| Cleaning pressure (bar) | ± 5 | | | |
| Sequence | adjustable | | | |
| Filter percentage (%) | 99,9 | | | |
| Pneumatic connection | 1/2" | | | |
| Dust collecting (drum in ltr.) | 50 | | | |
| Weight (kgs) | ± 1150 | | | |
| Dimensions Total lenght (mm) Width (mm) Height (mm) | 4410 1580 2440 | | | |

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Air-Cooled Dehumidifiers - Far East version

The Airblast Air-Cooled Dehumidifiers are used for drying air of up to 100% relative humidity (RH) with temperatures from -30 °C to +40 °C.

The applications are numerous and wide spread. Below are some examples:

- Surface treatment during internal blasting and painting of tanks
- Shipping industry, both for permanent and temporary applications
- Controlling humidity levels in production processes
- Protection of equipment sensitive to corrosion
- Climatic improvements in damp areas

Airblast Dehumidifiers are delivered as a complete unit with fans, filters, rotor and controls. The dehumidifier is ready for site installation and connection to standard-size ducting.

Each dehumidifier will be custom designed according to the local conditions and the needs of the customer.



| AIR-COOLED DEHUMIDIFIERS - FAR EAST VERSION | | | | | |
|---|----------------|----------------|----------------|----------------|--|
| | DH6000S | DH9000S | DH12000S | DH18000S | |
| Process airflow (m³/hr) | 6000 | 9000 | 12000 | 18000 | |
| Compressor power (HP/kW) | 40/30 | 50/37 | 60/45 | 110/82 | |
| Compressor capacity (kW/hr) | 150.5 | 191.4 | 207 | 379.6 | |
| Process blower (kW) | 5.5 | 11 | 15 | 30 | |
| Reheating capacity (kW) | 27 | 27 | 27 | 54 | |
| Condenser fans (kW) | 2*2.2 | 3*2.2 | 3*2.2 | 6*2.2 | |
| Static pressure (Pa/H2O) | 2000 | 2500 | 3000 | 4000 | |
| Power consumption (kW) | 66.9 | 81.6 | 93.6 | 179.2 | |
| Condenser | | Copper tube / | Aluminium fins | | |
| Evaporator | | Copper tube | / Copper fins | | |
| External dimension LxWxH (mm) | 2800x2200x2220 | 3800x2300x2420 | 3800x2300x2520 | 5920x2300x2500 | |
| Weight (metric ton) | 2.8 | 3.5 | 4 | 7 | |
| Discharge dimension (mm) | 2 - Ø 280 | 3 - Ø 280 | 4 - Ø 280 | 6 - Ø 280 | |

Note (All Models):

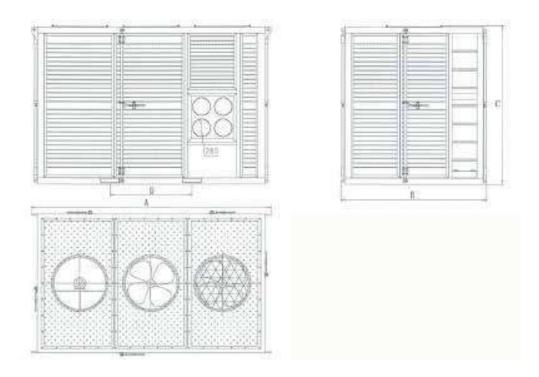
- 1. Power supply: 3-phase plus earth 415V / 50 Hz
- 2. Refrigerant: R22
- 3. Cooling step control: 25%~50%~75%~100%
- 4. Cooling Media: Air
- 5. Discharge condition: 25 ± 3 °C/RH below 45%
- 6. We have the policy to improve our equipment continuously & shall reserve the rights to change the dimensions and specs without prior notice.

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Air-Cooled Dehumidifiers - Far East version

| DIMENSIONS | | | | | |
|------------|---------|---------|----------|----------|--|
| | DH6000S | DH9000S | DH12000S | DH18000S | |
| A (mm | 2800 | 3800 | 3800 | 5920 | |
| B (mm) | 2200 | 2300 | 2300 | 2300 | |
| C (mm) | 2220 | 2420 | 2520 | 2500 | |
| D (mm) | 1300 | 1300 | 1300 | 1300 | |



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Air-Cooled Dehumidifiers - Middle East version

The Airblast Air-Cooled Dehumidifiers are used for drying air of up to 100% relative humidity (RH) with temperatures from $+45~^{\circ}\text{C}$ and above.

The applications are numerous and wide spread. Below are some examples:

- Surface treatment during internal blasting and painting of tanks
- Shipping industry, both for permanent and temporary applications
- Controlling humidity levels in production processes
- Protection of equipment sensitive to corrosion
- · Climatic improvements in damp areas

Airblast Dehumidifiers are delivered as a complete unit with fans, filters, rotor and controls. The dehumidifier is ready for site installation and connection to standard-size ducting.

Each dehumidifier will be custom designed according to the local conditions and the needs of the customer.



| AIR-COOLED DEHUMIDIFIERS - MIDDLE EAST VERSION | | | | | |
|--|----------------|------------------------|---------------------------|----------------|--|
| | DH6000S | DH9000S | DH12000S | DH18000S | |
| Process airflow (m³/hr) | 6000 | 9000 | 12000 | 18000 | |
| Compressor power (HP/kW) | 60/45 | 80/60 | 100/75 | 140/105 | |
| Compressor capacity (kW/hr) | 207 | 277 | 340 | 490 | |
| Process blower (kW) | 5.5 | 11 | 15 | 30 | |
| Reheating capacity (kW) | 27 | 54 | 54 | 72 | |
| Condenser fans (kW) | 3*2.2 | 4*2.2 | 6*2.2 | 8*2.2 | |
| Static pressure (Pa/H2O) | 2000 | 2500 | 3000 | 4000 | |
| Power consumption (kW) | 85 | 134 | 157 | 225 | |
| Condenser | Co | opper tube / Aluminium | fins / Stainless structu | ire | |
| Evaporator | | Copper tube / Copper f | ins / Stainless structure | 9 | |
| External dimension LxWxH (mm) | 3800x2300x2500 | 4900x2300x2500 | 5900x2300x2520 | 6500x2300x2500 | |
| Weight (metric ton) | 3.8 | 5.5 | 7 | 8 | |
| Discharge dimension (mm) | 2 - Ø 300 | 3 - Ø 300 | 4 - Ø 300 | 6 - Ø 300 | |

Note (All Models):

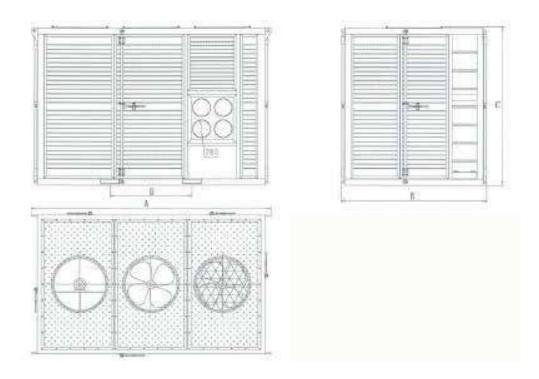
- 1. Power supply: 3-phase plus earth 415V / 50 Hz
- 2. Refrigerant: R22
- 3. Cooling step control: 25%~50%~75%~100%
- 4. Cooling Media: Air
- 5. Discharge condition: 25 ± 3 °C/RH below 45%
- 6. We have the policy to improve our equipment continuously & shall reserve the rights to change the dimensions and specs without prior notice.

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Air-Cooled Dehumidifiers - Middle East version

| DIMENSIONS | | | | | |
|------------|---------|---------|----------|----------|--|
| | DH6000M | DH9000M | DH12000M | DH18000M | |
| A (mm | 3800 | 4800 | 5900 | 6500 | |
| B (mm) | 2300 | 2300 | 2300 | 2300 | |
| C (mm) | 2500 | 2500 | 2520 | 2500 | |
| D (mm) | 1300 | 1300 | 1300 | 1300 | |



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Section 10 - Inspection

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DTH-100 Digital Thermometer

The DTH-100 Digital Thermometer allows immediate measurement of the substrate temperature.

The digital display clearly indicates the prevailing temperature and auto-updates as the temperature changes.

The ergonomic housing ensures a comfortable fit into the palm of the hand or easy storage in a pocket. The unit is supplied in a protective pouch for safe and easy storage.

The rigid stainless steel ribbon surface contact probe is secured into the body of the housing when not in use protecting against accidental damage. By folding the probe out of the housing through 180 degrees the unit turns on and becomes ready for use. The battery saving auto-shut-off feature turns off the product after five minutes of inactivity.

Accurate temperature information is important to ensure, for example, that the substrate remains within the advised temperature parameters of the coating system, or to ensure that the substrate temperature remains above the prevailing dew point.

A calibration certificate traceable to UKAS is available as a cost option upon request.

| | ORDERING INFORMATION | | | | | |
|----------|---|--------------|-----|-----|---------|--|
| Part no. | Part no. Product Range Range temperature Accuracy Cal Cert Part No. | | | | | |
| 7861000 | DTH-100 Digital Thermometer - Metric | -50 to 300°C | 1°C | ±1% | 7861005 | |
| 7861001 | DTH-100 Digital Thermometer - Imperial | -50 to 572°F | 1°C | ±1% | 7861005 | |

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MTH-110/111 Magnetic Thermometer

The MTH-110 Magnetic Thermometer allow immediate measurement of the substrate temperature.

The MTH-110 Magnetic Thermometer measures surface temperature. The thermometer can easily be placed on ferrous substrates with the strong magnet on the back. Surface temperature can be read out in both °C and °F. Measuring Range is -10°C to + 70°C; +14°F to +160 °F. The diameter of the thermometer is 63 mm. Can be used in vacuum. No plastic parts on the outside of the thermometer.

The MTH-110 Magnetic Thermometer for surface temperature comes in a genuine leather pouch with belt-clip.



| | ORDERING INFORMATION | | | | |
|----------|------------------------------|----------------------------------|--|--|--|
| Part no. | Product | Range | | | |
| 7861100 | MTM-110 Magnetic Thermometer | -10° to +70°C +14°F to 160 °F | | | |



DPM-120 Dewpoint Meter

The DPM-120 is a multi-functional instrument which can be used to measure, record, and analise the important climatic parameters in the surface treatment of metal substrates: air temperature, surface temperature, relative humidity, dew point. Additional information such as the time and date of readings taken are recorded for future reference. The ergonomic and tough DMP-120 is supplied in a convenient protective carry case.

Accurate temperature and humidity information is important to ensure, for example, that the substrate remains within the advised temperature parameters of the coating system, or to ensure that the substrate temperature remains above the prevailing dew point.

Features

- Large illuminated graphic display
- ♦ One-hand operation
- Simple menu-driven user interfaceExtensive data-logging capabilities, readings are time and date stamped and stored on the gauge
- \diamond USB-Interface connects the unit to the PC for programming and downloading data.
- ♦ To be used as "on the spot" inspectors tool or "stand-alone" data logger
- ♦ Heavy duty ergonomic case
- Set limits for each parameter
- ♦ Acoustic and visual alarms
- ♦ Select Celsius / Fahrenheit
- Automatic trend indicator shows the trend of climatic conditions (rising, falling, stable)
- ♦ High-end industrial sensors and built- in probes
- ♦ Integrated 'back-up' LED flashlight
- DewLog temperature and humidity monitoring software included
- ♦ Two year valid calibration certificate

Complies with Internationa Standards:

ISO 8502-4, ASTM D3276-05, BS 7079-B4, NACE RP prop 97.

| Sa. |
|-----|
| |
| |

| SPECIFICATIONS DPM-120 DEWPOINT METER - PART NO. 7861200 | | | | | |
|--|-----------------------------|--|--|--|--|
| Humidity | | | | | |
| • | Accuracy | (080 °C, 0176 °F) ± 3 % RH | | | |
| • | Measurement resolution | 0.1 % | | | |
| • | Measurement range | 0100 % RH | | | |
| Temperature Ta (ai | r) | | | | |
| • | Accuracy | ± 0.5 °C, ± 1 °F (over the full measurement range) | | | |
| • | Measurement resolution | 0.1 °C, 0.1 °F | | | |
| • | Measurement range | - 20+ 80 °C, - 4+ 176 °F | | | |
| Temperature Ts (Su | ırface) | | | | |
| • | Accuracy | ± 0.5 °C, ± 1°F (over the full measurement range) | | | |
| • | Measurement resolution | 0.1 °C, 0.1 °F | | | |
| • | Measurement range | - 30+ 60 °C, - 22+ 140 °F | | | |
| Temperature Ts (Su | ırface External) | | | | |
| • | Accuracy | ± 0.5 °C, ± 1 °F (over the full measurement range) | | | |
| • | Measurement resolution | 0.1 °C, 0.1 °F | | | |
| • | Measurement range | - 30+ 60 °C, - 22+ 140 °F | | | |
| Display | | Graphical presentation with backlight | | | |
| • | Operating temperature range | - 20 °C60 °C, - 4+ 140 ° | | | |
| Keys | | | | | |
| • | Menu | 3 | | | |
| • | On / off | 1 (electronic) | | | |
| • | LED flashlight | 1 (electronic) | | | |

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DPM-120 Dewpoint Meter

| Memory | | |
|-------------------|---------------------------------|--|
| • | Туре | Dynamic |
| • | Memory size manual logging | 6000 records |
| • | Record content manual logging | time/date, humidity,Ta, Ts, Td,Tdelta, status byte for alarm. |
| • | Memory size interval logging | 12000 records |
| • | Record content interval logging | R Humidity, Ta and Ts. Other parameters and date and time are calculated. |
| • | Batches | 8 Batches max. |
| Measurement / Fea | atures | |
| • | Limits | Adjustable for each parameter |
| • | Lo-Hi Alarms | Beep sound , symbol in display and RED Led. |
| • | Hold/freeze function | Yes |
| • | Data storage | Two modes: Manual and interval(auto) |
| • | Data recall | Gauge displays average, min/max of each batch. Downloading to PC possible via optional adapter. |
| | | |
| • | Battery indicator | Yes, detailed. |
| • | Trend indicator | Yes |
| • | User interface | Menudriven through up/down/enter key. |
| • | Languages | 4 languages, English, German, French, Spanish |
| • | Extra | Built-in bright white LED orientation flashlight. |



WHM-130 Whirling Hygrometer

The WHM-130 can be used to calculate the prevailing dew point temperature quickly, easily, and economically in combination with a dew point calculation table.

Accurate dew point temperature information is important to ensure that the substrate temperature remains above the prevailing dew point thus avoiding condensation on the substrate.

Rapid rotation of the WHM-130 results in air movement around the thermometer bulbs, one of which measures the ambient temperature, the other measures the wet bulb (being housed in a reservoir in a fabric sleeve). The resulting temperature readings can be used with the dew point calculation table or dew point calculator to show the dew point. The WHM-130 is supplied in a hard plastic protective case.

A calibration certificate traceable to UKAS is available as a cost option upon request.

Complies with International Standards: BS 2842, ASTM E 337 B.



| | ORDERING INFORMATION | | | | | | |
|----------|--|--|--|--|--|--|--|
| Part no. | Part no. Product Range Resolution Accuracy Cal Cert Part No. | | | | | | |
| 7861300 | 7861300 WHM-130 Whirling Hygrometer -5 to 50°C 0,5°C ±2% 7861320 | | | | | | |

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DPC-140 Dewpoint Calculator

The DPC-140 Dew Point Calculator can be used in conjunction with the WHM-130 Whirling Hydrometer (or an electronic temperature and relative humidity meter) to calculate the prevailing dew point temperature quickly, easily, and economically.

Accurate dew point temperature information is important to ensure that the substrate temperature remains above the prevailing dew point thus avoiding condensation on the substrate.

The DPC-140 is easy to use to establish the dew point: once the temperature readings have been recorded from the WHM-130 Whirling Hydrometer. Determine the dew point by putting the dry bulb temperature (upper white scale 1) against the wet bulb temperature (upper black scale). Read the dewpoint in window 2 against the earlier determined wet bulb temperature.

The DPC-140 is supplied in a protective case.



| | ORDERING INFORMATION | | | | |
|---|---------------------------------|--|--|--|--|
| Part no. | Part no. Product Range Accuracy | | | | |
| 7861400 DPC-140 Dewpoint Calculator -10 to 50°C ±1% | | | | | |



SSM-200 Soluble Salt Meter

A new inspection tool has been developed to replace the Bresle patch method for soluble salt determination. This Soluble Salt Meter, for which United States Patent No. 8,252,600 was issued on August 28 2012, was designed around the current Bresle patch salt inspection method. The SSM test protocol exactly duplicates the Bresle process, except that measurements are automated and there are no consumables (except distilled water). The complete test sequence requires only one minute. The SSM is approved as an authorized alternative to the Bresle patch method.

Benefits

- Accurate, easy measurements
- ♦ Memory stores up to 1000 measurements for download and analysis
- ♦ Repeatable results
- Rugged, industrial hardened measurement device
- Simple operating instructions
- ♦ Reduced process steps (17 steps reduced to 6 steps)
- Reduced process time (only one minute reading to reading)
- ♦ Eliminate process induced surface contamination (sticky residue)
- ♦ Equipment easily transportable (tank inspections)
- Improved safety (syringes/needles eliminated)
 - Operator error minimized
 - Metered water injection
 - Automatic data recording feature (configured to work with coating technical file)



SPECIFICATIONS

Standards Equivalent to ISO Standard 8502-9 (Field method for the conductometric determina-

tion of water-soluble salts; The Bresle method) inaccordance with NACE SP0508-2008.

Measurement area 1250 mm (circular) fixed foot print

Attachment method Magnetic with silicone seal (no effect on surface quality; proven to seal over deep pits)

Water injection method Automated, with simple press of fixed volume dispenser

Dose $3 \pm 0.05 \, \text{ml}$

Measurement process steps

Weight (instrument only)

Total process time 60 seconds (Measurement to Measurement)

Measurement range 0-100 μ S/cm Resolution 1 μ S/cm \pm 3 μ S/cm

Surface temperature range Temperature probe accuracy $\pm 3 \mu \text{S/cm}$ $\pm 5 \mu \text{S/cm}$ $5-50^{\circ}\text{C}(41-122^{\circ}\text{F})$ $\pm 0.3^{\circ}\text{C}(\pm 0.54^{\circ}\text{F})$

Diameter of curvature: - Standard measuring head >=44 inch/1100mm

- Measuring head 1 26<=>42inch/650<=>1050mm - Measuring head 2 14<=>24inch/350<=>600mm - Measuring head 3 8<=>12inch/200<=>300mm

Readout µS/cm or mg/m2

780gr.

Memory Holds up to 1000 measurements (10 batches of upto 100 measurements each)

Connectivity via USB with PC or laptop

Power supply Lithium-ion rechargeable battery

Power supply
IPRating
Dimensions (instrument only)

Lithium-ion rechargeable battery
IP54
21x10x8cm

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SSM-200 Soluble Salt Meter

ORDERING INFORMATION

The SSM can be purchased in two versions: the "Lite" version which includes 50 measurements with the possibility to purchase additional measurements as and when required, and the "Unlimited" version which can take unlimited readings. The "Lite" version provides the possibility to reduce the initial purchase price of the SSM and to purchase additional readings for specific projects. The "Lite" version can be upgraded to the "Unlimited" version by purchasing a licence.

| Part no. | Description | |
|----------|--|--|
| 7862000 | SSM-200 Soluble Salt Meter Kit ("Unlimited" version), includes: Soluble Salt Meter SSM adapter flat surface Dispenser Power supply USB cable and PC Software Calibration fluid Carrying case Certificate of performance Unlimited credit measurements | |
| 7862001 | SSM-200 Soluble Salt Meter Kit ("Lite" version). Same as above only with 50 measurements. | |
| 7862004 | Upgrade license from "Lite" version to "Unlimited" version | |
| 7862005 | 100 measurements | |
| 7862011 | Adapter pipe diameter 65-105cm (26"-42") | |
| 7862012 | Adapter pipe diameter 35-60cm (14"-24") | |
| 7862013 | Adapter pipe diameter 20-30cm (8"-12") | |
| 7862014 | Set of adapters pipe diameter 20-105cm (8"-42") | |
| 7862015 | Performance check for SSM-200 with certificate | |



BTK-220 Bresle Test Kit

The presence of salts on the substrate can lead to the premature failure of the coating system. Most high performance coating systems require that the substrate be cleaned to a recognized standard before the application of the coating.

Once the bresle patch is applied to the surface to be tested distilled water can be analysed using the conductivity meter before being injected into and then extracted from the bresle patch the required amount of times before being analysed again in the conductivity meter. The difference in the two readings show the conductivity of the water, by multiplying the result by 0.4 the presence of salts expressed in parts per million is shown.

The BTK-220 Bresle Test Kit includes all the necessary equipment for assessing the level of soluble salts on blast-cleaned surfaces prior to coating. Inside the Bresle Test Kit is a conductivity gauge used for



the assessment of soluble salt ions as chlorides, sulphates and nitrates. The Bresle Test Kit complies with the ISO standards, describing the Bresle Method, that state that the conductivity is mainly directly proportional to the concentration of dissolved salts in the solution.

Contamination of blast-media

The Bresle Kit is also suitable to determine the contamination of blast-media. This prevents the dissolved salts in the recycled abrasive contaminating the surface being cleaned.

Features

Unique Direct Sampling Procedure (DSP) to ensure high speed and accuracy. Up to 60 times more accurate than other test kits available.

Application areas

Marine coatings, protective coatings, pipeline coatings, paint production, surface finishing, powder coating.

Standards

ISO 8502-6, ISO 8502-9, ISO 11127-6.

| SPECIFICATIONS | | |
|-------------------------------|--|--|
| Conductivity meter range | 0,1 – 20.000 mg/m ² (with DSP method) | |
| Conductivity meter resolution | 0,1 mg/m ² (with DSP method) | |
| Conductivity meter accuracy | 1% | |
| Patches supplied | 25 | |
| Temperature range | 0 – 50 °C | |
| ATC | 0 – 50 °C | |
| Normalization temperature | 25 °C | |
| Auto off | 8.5 minutes after last key pressed | |
| IP class | IP67 | |
| Auto calibration | at 84 µS/cm | |
| Patch area | 12,50 cm ² | |
| Patch type | Latex membrane | |

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BTK-220 Bresle Test Kit

| | ORDERING INFORMATION | | |
|----------|--|--|--|
| Part no. | Description | | |
| 7862200 | BTK-220 Bresle Test Kit, complete (includes spares as shown below) | | |
| | Spares | | |
| 7862210 | Bresle patches (pack of 25) | | |
| 7862220 | Digital conductivity meter (waterproof) | | |
| 7862221 | Cleansing solution 50ml | | |
| 7862222 | Calibration solution 84 µS, 50ml | | |
| 7862223 | Cup 30ml (set of 25) | | |
| 7862230 | Syringe incl. needle 3,0ml | | |
| 7862240 | Deionised water 200ml | | |
| | Optional | | |
| 7862205 | Calibration Certificate for BTK-220 | | |
| 7862212 | Patches Conformance Certificate for BTK-220 | | |
| 7862213 | Bresle area mask magnet | | |
| | On request | | |
| | Beaker for testing of blast media 100ml | | |

Standard delivery includes

- ♦ Case
- ♦ Digital conductivity meter
- ♦ 25 bresle patches
- ♦ Distilled water
- Calibration and cleansing solutions
- ♦ Cups and syringes
- ♦ Pictorial manual

Special care

- $\diamond~$ Always clean the instrument after use and keep the instrument in its case when not in use.
- Depending on the frequency of use, a thin film may occur on the probe. Use a clean cotton swap and cleansing solution to remove this.
- ♦ Always keep the instrument in its case when not in use.
- ♦ We recommend annual calibration.



BTP-230 Bresle Patches

The Bresle patch is a self-adhesive film patch for taking samples of soluble impurities on a test surface.

Application

Surface contaminants, such as salt, may cause coating failure and increase maintenance costs for vessels, industry buildings and steel structures in general. Coating failure such as blistering and corrosion may be the result of a too high level of salt prior to painting. The Bresle method described in the ISO 8502-6 is commonly used to measure the level of surface salts prior to coating. A so-called Bresle patch (a small self-adhesive plastic patch) with a washed latex membrane and a known surface area is used to dissolve the soluble salts. can be used to check for the presence of salts such as chlorides and sulphates on the substrate prior to the application of the coating.



| ORDERING INFORMATION | | | | |
|-----------------------------|---|--|--|--|
| Part no. | rt no. 7862210 | | | |
| Description | Bresle patches (pac | Bresle patches (packed in a plastic container per 25 pcs.) | | |
| Technical Specifications | Size Sample volume Test Area Stresstest | : 5 x 5 cm (2.0"x 2.0") : 2.5 ml. : 12.5 cm ² (1.93 sq. inches) : Meets ISO8502-6 Annex A. | | |
| Material | Elastic film Tape Protective paper | : Latex : PE with acrylic based adhesive : Coated | | |
| | One Bresle patch contributes with less than 8 mg NaCI/m² (0,8µg Na/CI/cm²)>. | | | |
| Certification | Each production batch of Airblast Bresle patches is certified by an ISO 17025 accredited test laboratory. | | | |
| Storage | Store in a cool and dark place. Keep Bresle patch away from direct sunlight. | | | |

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RGB-260 Rust Grade Book

The ISO 8501-1 Rust Grade Book contains reference photographs representative of different rust grades and preparation grades that are used to specify the quality of surface preparation.

The Rust Grade Book identifies four levels (designated as rust grades) of mill scale and rust that are commonly found on surfaces of uncoated erected steel and steel held in stock. It also identifies certain degrees of visual cleanliness (designated as preparation grades) after surface preparation of uncoated steel surfaces and of steel surfaces after overall removal of any previous coating. These levels of visual cleanliness are related to the common methods of surface cleaning that are used prior to painting.

Intended to be a tool for the visual assessment of rust grades and of preparation grades, it includes 28 representative photographic examples.

The book also contains high quality colour pictures of the blast-cleaning surface grades of Sa1, Sa2, Sa2.5 and Sa3, together with detailed descriptions and incorporates pictures from the Swedish Standard SIS SS 05 59 00.

Prepared by ISO (International Organization for Standardization).

Complies with International Standards: ISO 8501-1, SIS SS 05 59 00.





TXT-300/TXG-320 Testex Surface Roughness Kit

TXG-300 Testex Tape accurately reproduces the profile of the blasted surface which can be read by the TXG-320 Testex Gauge.

Achieving the correct profile during the blasting process is critical to ensure that the coating system to be applied performs correctly.

The TXG-300 Testex Tape is fitted with a protective paper which needs to be removed before the tape is adhered to the blasted surface and pressure applied. When removed the tape features the profile of the blasted surface which can be read by the gauge and the average maximum peak to valley height calculated. The gauge first needs to be zeroed to 50 microns to take into account the backing on the tape, then the tape is placed in the gauge and the movable anvil adjusted onto the film – the reading is then ready to be taken.



Locations which are not easily accessible to other devices such as inside pipes and grooves can easily be measured using the testex tape method.

A calibration certificate traceable to UKAS is available as a cost option upon request.

Complies with International Standards:

ISO DIS 8503-3, BS 7079-C5, ASTM D 4417-C, NACE RP 0287-95.

| ORDERING INFORMATION | | | | | |
|----------------------|---|--------------|----------------|--------------|----------------------------|
| Part no. | Description | Range Metric | Range Imperial | Nr. of tests | Conformance Certificate |
| 7863301 | TXG-300 Testex Tape - Coarse | 20-50 μm | 0.8-2.0 mils | 50 | 7863011 |
| 7863302 | TXG-300 Testex Tape - X-Coarse | 40-115 μm | 1.5-4.5 mils | 50 | 7863011 |
| 7863303 | TXG-300 Testex Tape - X-Coarse Plus | 100-125 μm | 4.0-5.0 mils | 50 | 7863011 |
| Part no. | Description | | | | |
| 7863304 | Burnishing tool - plastic | | | | |
| Part no. | Description | | | | Calibration Certificate |
| 7863200 | TXG-320 Testex Gauge (Metric and Imperial) | | | | 7863205 |

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SRC-340/341 Surface Roughness Comparator



A precision Nickel Comparator Plate that conforms to International Standard ISO 8503 and ASTM D4417 for grit and shot blasted surface roughness comparison.

The SRC-340 (Grit) and SRC-341 (Shot) Surface Roughness Comparators can be used to assess the roughness of the surface of a substrate which has been blasted with shot or grit.

The classification of blast cleaned surfaces is subjective. In order to assist regular and consistent classification shot blasted surfaces can be defined as angular (after blasting with grit), or dimpled (after blasting with shot), and furthermore into three grades: Fine, Medium, Course (as per ISO 8503).

The grades are defined as follows:

Fine : profile equal to segment one and up to but excluding segment two.

Medium : profile equal to segment two and up to but excluding segment three.

Course : profile equal to segment three and up to but excluding segment four.



The relevant Comparator can be placed against the blasted surface and each of the four sections compared with the surface finish assisted with the use of an illuminated magnifier.

The Comparator is supplied in a protective case.

Complies with International Standards: ISO, 8503-1, ISO 8503-2, ASTM D 4417-AABS 772.

| ORDERING INFORMATION | | | | |
|----------------------|---|--------------------------|--------------------------------|--|
| Part no. | Model type | Section profiles Metric | Section profiles Imperial | |
| 7863400 | Grit | 25μm, 60μm, 100μm, 150μm | 1mils, 2.4mils, 4mils, 6mils | |
| 7863410 | Shot | 25μm, 40μm, 70μm, 100μm | 1mils, 1.6mils, 2.8mils, 4mils | |
| 7865580 | 7865580 Illuminated Magnifier 2.5x (for viewing the Surface Comparator) | | | |



SPG-360 Surface Profile Gauge

The SPG-360 Surface Profile Gauge can be quickly and easily used to establish the valley – to – peak height of a blast cleaned surface in compliance with the ASTM D4417 standard.

Achieving the correct profile during the blasting process is critical to ensure that the coating system to be applied performs correctly.

The SPG-360 Surface Profile Gauge is easy to use: simply place the gauge on a glass plate and zero the instrument, then place the gauge onto blasted surface, the sharp stylus point rests on the bottom of the valley and the flat foot sits atop the peak – the gauge digitally displays the height difference between the two values.

The SPG-360 Surface Profile Gauge has a resolution of one micron and can be switched between imperial and metric readings, is supplied complete with a glass zero plate in a protective carry case.

A calibration certificate traceable to UKAS is available as a cost option upon request.

Complies with International Standards: ASTM D 4417-B, SABS 772.



| ORDERING INFORMATION | | | | | |
|----------------------|-------------------------------|------------------------|-----------------|--------------------|---------------------|
| Part no. | Description | Range | Resolution | Accuracy | Cal Cert Part No |
| 7863600 | SPG-360 Surface Profile Gauge | 0-3,4mm 0-0.12 inch | 1µm 0.04mils | ± 5µm ± 0.2mils | 7863605 |

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DFT-400/420 Dry Film Thickness Gauge

The DFT-400 Dry Film Thickness Gauge provides a fast and economical solution to non-destructive dry film thickness assessment on ferrous substrates only. The DFT-420 Dry Film Thickness Gauge provides a fast and economical solution to non-destructive dry film thickness assessment on **ferrous** and **non-ferrous substrates**.

In order for coating systems to perform as designed the thickness of each coat of paint must be within tolerances set by the material manufacturer – assessing the dry film thickness of the paint after the coating process is an invaluable tool to ensuring that the thickness of the coating is as specified.



The DFT-400 & DFT-420 Dry Film Thickness Gauges are ergonomic and light weight yet tough and reliable, and are powered by standard alkaline batteries. Both units are switched on by placing the probe on the substrate to be measured and feature single button operation and intuitive menus. An audible signal confirms that a reading has been successfully taken and the back lit screen displays readings clearly and quickly. Each gauge is supplied with calibrated for life; this means that there is no requirement to calibrate the gauge before use, or in changing climatic conditions - simply use the zero plate provided to zero the gauge before use, or in changing climatic conditions, to ensure the accuracy of the readings.

Both gauges are available in integral or separate probe design both with an industry leading polished ruby tip ensuring millions of fast, reliable and accurate readings of up to Fe 5000 microns or/and NFe 3000 microns. Each gauge features a sleep mode which turns the unit off after a short period of inactivity, by placing the probe onto a surface to be measured the unit reactivates and is immediately ready for use.

The DFT-400 & DFT-420 are supplied in foam filled hard plastic carry cases with an additional soft plastic pouch for ease of transportation in the job site, reference plates, $2 \times 1,5 \text{ V}$ Mignon batteries (type AA alkaline), test certificate and instruction manual. Both gauges have hand sizes straps allowing for easy fixing on the wrist or clothes.

| | DFT-400/420 SPECIFICATIONS | | | |
|--|---|--|--|--|
| Measuring Principle | Two magnetic measuring principles: | | | |
| | Fe: Magnetic-Flux/Hall Effect ref Fe* | | | |
| | NFe: Eddy Current (DFT-420 only) | | | |
| Standards & Regulation | DIN EN ISO 2808, ISO 2178, ASTM B 499, ASTM D 7091 (only DFT-420: ISO 2360) | | | |
| Probe Type | integrated or - optional - cable probe with 1 m. cable | | | |
| Measuring Range | Fe: 0.0 – 5000 μm or 0.0 – 3000 μm. NFe: 0.0 – 3000 μm (DFT-420 only) | | | |
| Metric System µm / mil | Yes | | | |
| Measuring Interval Single measurement: 850 ms | | | | |
| isplay Metric from 0.0 – 999 in μm, from 1000 μm in mm | | | | |
| Resolution | 1 μm in the range up to 999 μm , 0.01 mm in the range from 1 mm | | | |
| Accuracy | ± (2µm + 3% of the readings) | | | |
| Minimum Measuring Area | Ø 25 mm | | | |
| Minimum Curvature | convex: 5mm, concave: 25mm | | | |
| Minimum Substrate Thickness | Fe: 0.2 mm. NFe: 0.05 mm (DFT-420 only) | | | |
| Display | Graphic-LCD | | | |
| Temperature Range 0 – 50° C | | | | |
| Permitted Storage Temperature -10° C - 60° C | | | | |
| Power Supply | 2 x Mignon Batteries: 1.5 V (type AA alkaline) | | | |
| Dimensions (L x W x H in mm) | 100 x 60 x 27 (gauge with integrated probe) | | | |
| Weight incl. battery | Gauge with integrated probe: 105 g. Gauge with cable probe: 147 g | | | |
| | | | | |

Fe* Measuring of non-ferromagnetic coatings on ferromagnetic substrate, for example measuring on steel- or iron-substrates.

NFe* Measuring of non-ferromagnetic and electrically non-conductive coatings (insulating coatings) on non-ferromagnetic

and electrically conductive substrate, for example measuring on aluminum-, zinc-, brass- and certain stainless (high-grade) steel-substrates.

Technical data subject to change without notice.



DFT-400/420 Dry Film Thickness Gauge

Simply perfect

With the DFT-400/420, precise measurements on steel, iron and non-ferrous metals are simply perfect. Switch between the measuring procedures by simply pressing the button.

The sensitive measuring probe is fully integrated into this extremely small, light and handy gauge – optionally available as Cable Probe. Its readable LCD informs about readings, battery condition, mode of operation and serial number.

Product advantages

- ♦ Gauge for standard applications easy, safe and fast measurements.
- ♦ One-hand operation. Only one button.
- ♦ No calibration required.
- ♦ Automatic On/Off.
- \diamond High precision over the entire measuring range: NFe 0 3000 μm and Fe 0 5000 μm .
- Broad spectrum of use for non-destructive measurements on steel, iron and non-ferrous metals such as aluminum, zinc, copper and brass.
- ♦ Proven technology: Hall sensor and Eddy Current technology.
- ♦ Acoustic signal confirms taking of a measurement.
- ♦ Wear-proof ruby probe tip for long-term use.

Optimal LCD-Display

- ♦ Large clear numbers for optimum readability.
- ♦ Precise display of readings, battery condition, mode of operation and serial number.
- ♦ Backlit display.

| ORDERING INFORMATION | | | |
|----------------------|--|--|--|
| Part no. | Description | | |
| 7864000 | DFT-400 Dry Film Thickness Gauge FE | | |
| 7864001 | DFT-400 Dry Film Thickness Gauge FE 3MM (SEPARATE) | | |
| 7864002 | DFT-400 Dry Film Thickness Gauge FE 5 MM (INTEGRAL) | | |
| 7864003 | DFT-400 Dry Film Thickness Gauge FE 5MM (SEPARATE) | | |
| 7864200 | DFT-420 Dry Film Thickness Gauge FE/NFE | | |
| 7864201 | DFT-420 Dry Film Thickness Gauge with probe FE/NFE 3/3mm | | |
| 7864202 | DFT-420 Dry Film Thickness Gauge FE/NFE 5/3mm | | |
| 7864203 | DFT-420 Dry Film Thickness Gauge FE/NFE 5/3mm | | |

| Part no. | Description |
|----------|------------------------------------|
| 7864010 | Cable for DFT-400/420 |
| 7864011 | Probe Fe 3mm for DFT-400 |
| 7864012 | Probe Fe 5mm for DFT-400 |
| 7864211 | Probe Fe/NFe 3mm for DFT-420 |
| 7864212 | Probe Fe 5mm / NFe 3mm for DFT-420 |

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DFT-440 Dry Film Thickness Gauge

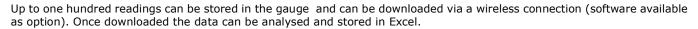
The DFT-440 Dry Film Thickness Gauge provides a fast and economical solution to non-destructive dry film thickness measurement, data storage, and analysis on ferrous and non-ferrous substrates, is calibrated for life, features a patented probe design which allows for **integral or separate** use, are also available as wireless probes and has an industry leading three year warranty.

In order for coating systems to perform as designed the thickness of each coat of paint must be within tolerances set by the material manufacturer – measuring the dry film thickness of the paint after the coating process is an invaluable tool to ensure that the thickness of the coating is as specified.

The DFT-440 Dry Film Thickness Gauge is ergonomic and light weight (127 gram) yet tough and reliable, and is powered by standard alkaline batteries. The easy to use back lit four button key pad is intuitive and leads the user through the available menu options. The back lit screen displays readings clearly and has the possibility to flip through 180 degrees when the gauge is turned upside down.

In addition to a (constant) factory calibration, the DFT-440 offers two calibration processes that are useful during specific measuring tasks such as measurement on curvatures or small parts.

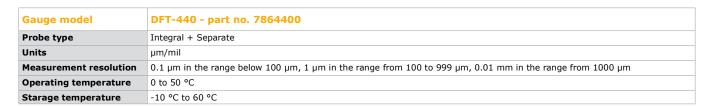
- A one-point calibration can optimize the probe's measuring accuracy with an expected coating thickness.
- A two point calibration can increases the probe's measuring accuracy in a certain coating thickness range.



The DFT-440 Dry Film Thickness Gauge features a patented probe design which allows for integral or separate use to access hard to reach areas. The probe features an industry leading tip manufactured from ruby ensuring millions of fast, reliable and accurate readings. The gauge features a sleep mode which turns the unit off after a short period of inactivity, by placing the probe onto a surface to be measured the unit reactivates and is immediately ready for use.

A wireless probe is available as a cost option. The wireless probe allows measurements to be taken at a distance of up to twenty meters from one or multiple gauge units allowing for readings to be taken in very hard to access areas as well as being simultaneously monitored and recorded on multiple gauges. The wireless probe is extremely small and light weight (30 grams) and can take up to 4000 measurements without recharging.

The DFT-440 is supplied in a foam filled hard plastic carry case with an additional soft plastic pouch for ease of transportation in the job site. Both the Gauge and the probe have hand sizes straps allowing for easy fixing on the wrist or clothes.



| Menu structure | | |
|--|------------------------|------------------|
| Measuring Mode | Substrate selection | FE/NFe automated |
| Measuring Range | Upper/lower limit | |
| Memory Capacity | up to 100 measurements | |
| Statistics Average/standard deviation/ maximum/minimum | | kimum/minimum |



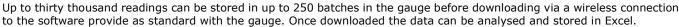
DFT-441 Dry Film Thickness Gauge

The DFT-441 Dry Film Thickness Gauge provides a fast and economical solution to non-destructive dry film thickness measurement, data storage, and analysis on ferrous and non-ferrous substrates, is calibrated for life, features a patented probe design which allows for **integral or separate** use, are also available as wireless probes and has an industry leading three year warranty.

The DFT-441 Dry Film Thickness Gauge is ergonomic and light weight (127 gram) yet tough and reliable, and is powered by standard alkaline batteries. The easy to use back lit four button key pad is intuitive and leads the user through the available menu options. The back lit screen displays readings clearly and has the possibility to flip through 180 degrees when the gauge is turned upside down.

In addition to a (constant) factory calibration, the DFT-440 offers two calibration processes that are useful during specific measuring tasks such as measurement on curvatures or small parts.

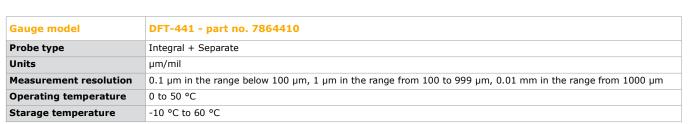
- A one-point calibration can optimize the probe's measuring accuracy with an expected coating thickness.
- A two point calibration can increases the probe's measuring accuracy in a certain coating thickness range.



When taking readings on very rough substrates the average zero value can be stored in the gauge memory to ensure that the substrate condition does not affect the quality of the readings. Furthermore a unique "Combined" mode allows the simultaneous measurement of zinc plated and epoxy based coating on steel substrates – in this mode the gauge will display the two separate coatings as two separate values.

The DFT-441 Dry Film Thickness Gauge features a patented probe design which allows for integral or separate use to access hard to reach areas. Each probe features an industry leading tip manufactured from ruby ensuring millions of fast, reliable and accurate readings. The gauge features a sleep mode which turns the unit off after a short period of inactivity, by placing the probe onto a surface to be measured the unit reactivates and is immediately ready for use.

A wireless probe is available as a cost option. The wireless probe allows measurements to be taken at a distance of up to twenty meters from one or multiple gauge units allowing for readings to be taken in very hard to access areas as well as being simultaneously monitored and recorded on multiple gauges. The wireless probe is extremely small and light weight (30 grams) and can take up to 4000 measurements without recharging.



| Menu structure | |
|-----------------|---|
| Measuring Mode | FE/NFe automated, combined measurement |
| Measuring Range | Upper/lower limit, average |
| Memory Capacity | up to 30.000 measurements in 250 batches |
| Statistics | Average/standard deviation/ maximum/minimum |

DET.AAA

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Probes for DFT-440/441

| Interchangeable probes/Probe type | Fe 2000 μm pn. 7864420 | Fe 5000 μm pn. 7864421 | NFe 2000 μm pn. 7864422 | Dual Fe/NFe 2000 μm pn. 7864423 | Dual Fe/ NFe 5000 /2000 μm pn. 7864424 | Dual Fe/ NFe 5000 /5000 μm pn. 7864425 |
|--|--|--|---|---|--|--|
| Measuring mode | Magnetic: Magnetic flux/ Hall effect Fe* | Magnetic: Magnetic flux/ Hall effect Fe* | Magnetic: Eddy current NFe* | Magnetic: Magnetic flux/ Hall effect Fe*/ Eddy current NFe* | Magnetic: Magnetic flux/ Hall effect Fe*/ Eddy current NFe* | Magnetic: Magnetic flux/ Hall effect Fe*/ Eddy current NFe* |
| According to standard | DIN EN ISO 2808 DIN 50981 ISO 2178 BS 5411 (11) BS 3900-C5 ASTM B 499 ASTMD1186 ASTM D 7091 | DIN EN ISO 2808 DIN 50981 ISO 2178 BS 5411 (11) BS 3900-C5 ASTM B 499 ASTMD1186 ASTM D 7091 | DIN EN ISO 2808 BS 3900-C5 ASTM D 7091 DIN 50984 BS 5411 (3) ISO 2360 ASTM D 1400 | DIN EN ISO 2808 DIN 50981, DIN 50984 ISO 2178, BS 5411 (3 & 11) BS 3900-C5, ASTM B 499, ISO 2360 ASTM D 1400, ASTM D 1186 ASTM D 7091 | DIN EN ISO 2808 DIN 50981 DIN 50984 ISO 2178 BS 5411 (3 & 11) BS 3900-C5 ASTM B 499 ISO 2360 ASTM D 1400 ASTM D 1186 ASTM D 7091 | DIN EN ISO 2808 DIN 50981 DIN 50984 ISO 2178 BS 5411 (3 & 11) BS 3900-C5 ASTM B 499 ISO 2360 ASTM D 1400 ASTM D 1186 ASTM D 7091 |
| Measuring range | 0 -2000 µm | 0 -5000 µm | 0 – 2000 μm | Fe: 0 - 2000 μm NFe: 0 - 2000 μm | Fe: 0 – 5000 µm, NFe: 0 – 2000 µm | Fe: 0 – 5000 µm, NFe: 0 – 5000 µm |
| Measuring interval | 1500 ms | 1500 ms | 1500 ms | 1500 ms | 1500 ms | 1500 ms |
| Measuring accuracy regarding automation- standards | ± (1 µm + 2% of the reading) | ± (1 µm + 2% of the reading) in the range of 0.0 to 2.0 mm± 3.5 % of the reading from 2.0 mm | ± (1 µm + 2% of the reading | Fe: 0 - 5000 µm NFe: 0 - 2000 µm | ± (1 µm + 2% of the reading) in the range of 0.0 to 2.0 mm ± 3.5 % of the reading from 2.0 mm | ± (1 µm + 2% of the reading) in the range of 0.0 to 2.0 mm ± 3.5 % of the reading from 2.0 mm |
| Minimum measuring surface (mm x mm) | | | 2 | 20 x 20 | | |
| Minimum radius of curvature | | | | vex: 5 mm ave: 30 mm | | |
| Minimum thickness of base material | 0.2 mm | 0.2 mm | 0.05 mm | Fe: 0.2 mm NFe: 0.05 mm | Fe: 0.2 mm NFe: 0.05 mm | Fe: 0.2 mm NFe: 0.05 mm |
| Operation tempera- ture | | | 0 1 | to 50 °C | | |
| Storage temperature | | | -10 | to 60 °C | | |
| Power supply | | | Fro | m gauge | | |
| Dimensions (L x W x H in mm) | | | | x 26 x 22 t extensions | | |
| Weight incl. batteries | | | C | a. 12 g | | |
| | * | | | | | |

 $\label{thm:continuous} \mbox{Technical data subject to change without notice.}$

ORDERING INFORMATION WIRELESS PROBES Part no. Description 7864426 Wireless probe Fe 2000μm for DFT-440/441 7864427 Wireless probe Fe 5000μm for DFT-440/441 7864428 Wireless probe NFe 2000μm for DFT-440/441 7864429 Wireless dual probe Fe 2000μm / NFe 2000μm for DFT-440/441 7864430 Wireless dual probe Fe 5000μm / NFe 2000μm for DFT-440/441 7864431 Wireless dual probe Fe 5000μm / NFe 5000μm for DFT-440/441

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WFT-450/455 Wet Film Thickness Comb

The WFT-450 and WFT-455 Wet Film Thickness Combs can be used to quickly and economically measure the paint thickness whilst the coating is wet.

In order for coating systems to perform as designed the thickness of each coat of paint must be within tolerances set by the material manufacturer – assessing the wet film thickness of the paint during the coating process is an invaluable tool in ensuring that the thickness of the coating is as specified.

In order to achieve an accurate reading the wet film comb is placed onto the substrate while the paint is still wet ensuring that the flat end plates are pressed against the substrate – by assessing which teeth have touched the coating the thickness of the paint can be assessed.

The WFT-450 Wet Film Thickness Comb is a precision machined hexagonal/octagonal precision measuring comb made of heavy stainless steel for high accuracy and is available with a wide range of measurements in both metric an imperial scales. After use solvents can be used to clean the instrument to ensure the accuracy of future readings. The comb is supplied in a protective wallet.

Complies with International Standards: ISO 2808-7B, BS 3900-C5-7B, ASTM D 4414-A, NF T30-125.

The WFT-455 Wet Film Thickness Comb is manufactured in plastic and is designed for economical one time use. The comb can be kept as a permanent record of the wet film thickness once the paint has been allowed to day on the teeth. The comb measures a wide range of measurements in both metric and imperial scales.





| | | | ORDERIN | NG INFORMA | TION | Conformance | | | |
|----------|------------------------------|--------------|-------------------|---------------|--|-------------------------------|--|--|--|
| Part no. | Product | Range Metric | Range Imperial | No. of teehth | Range of teeth | Conformance Cert. part no. | | | |
| 7864500 | WFT-450 (stainless steel) | 25-2000μm | 1-78mils | 36 | 25, 50, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000μm | 7864020 | | | |
| 7864550 | WFT-455 (1 pc.) | 50-900µm | 2-36mils | 18 | 2.5, 3, 3.5, 4, 5, 6, 8, 10, 12, 14, 16, 20, 24, 28, 32, 36 | n/a | | | |
| 7864551 | WFT-455 (pack of 50) | 50-900µm | 2-36mils | 18 | 2.5, 3, 3.5, 4, 5, 6, 8, 10, 12, 14, 16, 20, 24, 28, 32, 36 | n/a | | | |

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HAT-500 Hydraulic Adhesion Tester

The HAT-500 is a reliable method of testing the adhesion bond strength of a dry coating onto the substrate to which it is applied.

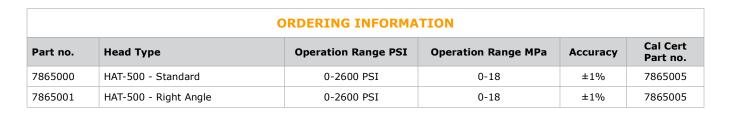
Correct adhesion is critical in ensuring that a paint system will perform as intended by the manufacturer. Insufficient adhesion can indicate incorrect substrate preparation or paint application.

To measure the adhesion a dolly is glued onto the painted substrate, a force is applied onto the center of the dolly by a hydraulically loaded pin, the maximum force applied is recorded on the pressure gauge by the reset needle. Should the dolly meet the minimum adhesion required it can be removed without disturbing the coating by using the heated dolly remover. Should the pressure overcome the adhesion of the dolly onto the surface the pressure will be recorded on the gauge. Dollies can be glued in place and left indefinitely as part of a scheduled maintenance programme.

The pressure gauge is swivel mounted to allow testing in any position and the flexible midsection allows easy access. Adhesion on the internal and external surfaces of pipes can be tested using curved dollies.

The HAT-500 is supplied in a hard plastic foam filled carry case complete with 5 flat dollies, adhesive, dolly remover.

Complies with International Standards: ISO 16276-1, ISO 4624, ASTM D 4541, NF T30-606.



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HAT-500 Hydraulic Adhesion Tester

| | | | ACCESSOR | IES | |
|----------|-----------------------|---------------------|-----------------------|------------------------|---------------------------|
| Part no. | Description | Pipe Size Metric | Pipe Size Imperial | Use with HAT-500 model | Information |
| 7865020 | HAT-500 Concave Dolly | 51mm | 2" | 7865000 / 7865001 | For external pipe testing |
| 7865021 | HAT-500 Concave Dolly | 76mm | 3" | 7865000 / 7865001 | |
| 7865022 | HAT-500 Concave Dolly | 102mm | 4" | 7865000 / 7865001 | |
| 7865023 | HAT-500 Concave Dolly | 152mm | 6" | 7865000 / 7865001 | |
| 7865024 | HAT-500 Concave Dolly | 203mm | 8" | 7865000 / 7865001 | |
| 7865025 | HAT-500 Concave Dolly | 254mm | 10" | 7865000 / 7865001 | |
| 7865026 | HAT-500 Concave Dolly | 305mm | 12" | 7865000 / 7865001 | |
| 7865027 | HAT-500 Concave Dolly | 356mm | 14" | 7865000 / 7865001 | |
| 7865028 | HAT-500 Concave Dolly | 406mm | 16" | 7865000 / 7865001 | |
| 7865029 | HAT-500 Concave Dolly | 457mm | 18" | 7865000 / 7865001 | |
| 7865030 | HAT-500 Concave Dolly | 508mm | 20" | 7865000 / 7865001 | |
| 7865031 | HAT-500 Concave Dolly | 610mm | 24" | 7865000 / 7865001 | |
| 7865032 | HAT-500 Concave Dolly | 762mm | 30" | 7865000 / 7865001 | |
| 7865033 | HAT-500 Concave Dolly | 914mm | 36" | 7865000 / 7865001 | |
| 7865034 | HAT-500 Convex Dolly | 152mm | 6" | 7865001 | |
| 7865035 | HAT-500 Convex Dolly | 203mm | 8" | 7865001 | For internal pipe testing |
| 7865036 | HAT-500 Convex Dolly | 254mm | 10" | 7865001 | |
| 7865037 | HAT-500 Convex Dolly | 305mm | 12" | 7865000 / 7865001 | |
| 7865038 | HAT-500 Convex Dolly | 356mm | 14" | 7865000 / 7865001 | |
| 7865039 | HAT-500 Convex Dolly | 406mm | 16" | 7865000 / 7865001 | |
| 7865040 | HAT-500 Convex Dolly | 457mm | 18" | 7865000 / 7865001 | |
| 7865041 | HAT-500 Convex Dolly | 508mm | 20" | 7865000 / 7865001 | |
| 7865042 | HAT-500 Convex Dolly | 610mm | 24" | 7865000 / 7865001 | |
| 7865043 | HAT-500 Convex Dolly | 762mm | 30" | 7865000 / 7865001 | |
| 7865044 | HAT-500 Convex Dolly | 914mm | 36" | 7865000 / 7865001 | |
| 7865045 | HAT-500 Flat Dolly | | | 7865000 / 7865001 | For sustrate testing |
| | | | SPARE PAR |) DTC | |
| Part no. | Description | | SPARE PAR | | |
| 7865046 | Adhesive | | | | |
| 7865047 | Spare dolly plug | | | | |
| 7865048 | Heated dolly remover | | | | |

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CHC-520 Cross Hatch Cutter

The CHC-520 Cross Hatch Cutter tests the adhesion of a dry coating onto the substrate to which it is applied.

Correct adhesion is critical in ensuring that a paint system will perform as intended by the manufacturer. Insufficient adhesion can indicate incorrect substrate preparation or paint application.

To measure the adhesion two sets of parallel cuts at ninety degrees to each other are made with a knife resulting in a pattern of similar sized squares. This area can be assessed by using a hard brush or adhesive tape and the results compared with the supplied chart. Different knives are available to test different coating thicknesses and substrates according to different standards.

The CHC-520 Cross Hatch Cutter is supplied in a hard plastic foam filled carry case complete with hard brush, adhesive tape, illuminated magnifier. Depending on your application a knife must be ordered separately.

Complies with International Standards: ISO/DIN 2409, ASTM D3359.



| | ORDERING INFORMATION |
|----------------|---|
| 7865200 | CHC-520 Cross Cut Adhesion Tester Kit contains • Soft grip handle • Nylon Brush • Illuminated Magnifier 2.5x • Adhesion tape, single roll, adhesion to steel 4.3 N/cm |
| Excl. knife, m | ust be ordered separately |
| CHC-520 kn | ife options acc. to DIN-ISO, 6 teeth |
| 7865210 | Teeth distance 1 mm |
| 7865211 | Teeth distance 2 mm |
| 7865212 | Teeth distance 3 mm |
| CHC-520 kn | ife options acc. to ASTM, 11 teeth |
| 7865213 | Teeth distance: 1 mm |
| 7865214 | Teeth distance: 1,5 mm |
| | OPTIONAL ITEMS / SPARE PARTS |
| 7865230 | Adhesion tape, single roll, adhesion to steel 4.3 N/cm |
| 7865231 | Adhesion tape, single roll, adhesion to steel 7.6 N/cm |
| 7865232 | Nylon Brush for Cross Cut Adhesion Test |
| 7865233 | Illuminated Magnifier 2.5x |

| CHOOSE THE RIGHT CUTTER | |
|---|--|
| ISO 2409 :2003: | |
| 1 mm. spacing for coatings up to 60 μm on hard substrates | |
| 2 mm. spacing for coatings up to 60 μm on soft substrates | |
| 2 mm. spacing for coatings from 61 to 120 μm on both hard and soft substrates | |
| 3 mm. spacing for coatings from 121 μm to 250 μm on both hard / soft substrates | |
| ASTM D3359: | |
| 1 mm. spacing for coatings up to 50 μm | |
| 1,5 mm. spacing for coatings from 50 to 125 μm | |

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HOD-600 DC Holiday Tester

The HOD-600 Holiday Tester is used to test the integrity of a coated surface by identifying pin holes and flaws in the coating.

Pin holes or flaws in the coating may lead to premature failure of the coating – early identification allows for corrective action to be taken.

The HOD-600 Holiday Tester identifies pin holes and flaws in the coating by passing a voltage through a brush electrode which is moved over the coated surface – the voltage will spark through a pin hole or flaw to the substrate identifying the area for closer inspection. Upon identification of a pin hole or flaw an audible alarm will sound and a red indicator will flash on the unit. The application of the test is safe and does not cause burn marks or damage to the coating due to the test voltage being of high impedance.



The HOD-600 Holiday Tester can be carried by the operator using the neck strap provided due to its light weight and portable design.

The HOD-600 Holiday Tester is supplied in a hard plastic foam filled carry case complete with high voltage probe, brush electrode, earthing cable, and neck strap.

Complies with International Standards: ISO 2746, BS 1344-11, ASTM G 6, ASTM G 62, ASTM D4787, ASTM D5162, NACE RP 04901, NACE RP 0274, NACE RP 0188, JIS G3491, JIS G3492, AS 3894.1, EN14430, ANSI/AWWA C 213.

A calibration certificate traceable to UKAS is available as a cost option upon request.

| ORDERING INFORMATION | | | | | |
|----------------------|-------------------|--------------------------------|------------|----------|----------------------|
| Part no. | Range | Approx. maximum test thickness | Resolution | Accuracy | Cal Cert Part no. |
| 7866000 | HOD-600 - 0.5-6kV | 1500μm (60mils) | 0.01kV | ±1% | 7866005 |
| 7866001 | HOD-600 - 1-20kV | 5000μm (200mils) | 0.1kV | ±1% | 7866005 |
| 7866002 | HOD-600 - 1-30kV | 7500µm (300mils) | 0.1kV | ±1% | 7866005 |

The HOD-600 is supplied with a European style plug, other plug options available upon request.

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HOD-600 DC Holiday Tester

| | | ACC | ESSORIES | | |
|----------|--------------------------------|-------------|------------------|-------------------|--|
| Part no. | Product | Size Metric | Size Imperial | Extension Size | Information |
| 7866030 | Extension rod | 500mm | 20" | | To extend electrodes for applications |
| 7866031 | Extension rod | 1000mm | 40" | | where a long reach is required. |
| 7866040 | Broad Brush 45° Angle | 200mm | 8" | 200mm / 8" | Brass-filled Brushes for the testing of |
| 7866041 | Broad Brush 45° Angle | 500mm | 20" | 200mm / 8" | coatings on large flat areas. |
| 7866050 | Conductive Rubber 180° In Line | 200mm | 8″ | 200mm / 8" | Conductive Rubber Electrodes for the |
| 7866051 | Conductive Rubber 180° In Line | 450mm | 18" | 200mm / 8" | testing of coatings on large flat areas. |
| 7866060 | Circular Brush and Assembly | 51mm | 2" | 200mm / 8" | Conductive Rubber Electrodes for the |
| 7866061 | Circular Brush and Assembly | 76mm | 3″ | 200mm / 8" | testing of coatings on large flat areas. All Brushes come complete with the connector assembly. |
| 7866062 | Circular Brush and Assembly | 102mm | 4" | 200mm / 8" | |
| 7866063 | Circular Brush and Assembly | 152mm | 6" | 200mm / 8" | |
| 7866064 | Circular Brush and Assembly | 203mm | 8" | 200mm / 8" | |
| 7866065 | Circular Brush and Assembly | 254mm | 10" | 200mm / 8" | |
| 7866066 | Circular Brush and Assembly | 305mm | 12" | 200mm / 8" | |
| 7866070 | Rolling Spring | 102mm | 4" | Order SA490 | 3/4" phosphor bronze Rolling Spring for |
| 7866071 | Rolling Spring | 152mm | 6" | Order SA490 | the testing of coatings on the external diameter of pipes. |
| 7866072 | Rolling Spring | 203mm | 8" | Order SA490 | |
| 7866073 | Rolling Spring | 254mm | 10" | Order SA490 | All Rolling Springs require the 7866084 Rolling Spring Connector Assembly. |
| 7866074 | Rolling Spring | 305mm | 12" | Order SA490 | One assembly can be used on |
| 7866075 | Rolling Spring | 356mm | 14" | Order SA490 | multiple Rolling Springs. |
| 7866076 | Rolling Spring | 406mm | 16" | Order SA490 | The 7866085 Rolling Spring Pusher |
| 7866077 | Rolling Spring | 457mm | 18" | Order SA490 | Assembly is suitable for larger Rolling Springs, to assist the travel of the |
| 7866078 | Rolling Spring | 508mm | 20" | Order SA490 | spring along the pipe. |
| 7866079 | Rolling Spring | 610mm | 24" | Order SA490 | |
| 7866080 | Rolling Spring | 762mm | 30" | Order SA490 | |
| 7866081 | Rolling Spring | 914mm | 36" | Order SA490 | |
| 7866082 | Rolling Spring | 1067mm | 42" | Order SA490 | |
| 7866083 | Rolling Spring | 1220mm | 48" | Order SA490 | |
| 7866084 | Rolling Spring Connector Assy | | | 200mm / 8" | |
| 7866085 | Rolling Spring Pusher Assembly | | | 200mm / 8" | |

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PHD-620 Pin Hole Detector

The PHD-620 Pin Hole Detector is used to test the integrity of a coated surface by identifying pin holes and flaws in the coating.

Pin holes or flaws in the coating may lead to premature failure of the coating – early identification allows for corrective action to be taken.

The PHD-620 Pin Hole Detector identifies pin holes and flaws in the coating by passing a selectable voltage of 9 volts, 67.5 volts, or 90 volts, through a wet sponge which is moved over the coated surface. The voltage will make a path through the wetting agent to the pin hole or flaw in the substrate, an audible alarm will sound and a red light will flash on the unit identifying the area for closer inspection. The application of the test is safe and does not cause burn marks or damage to the coating.



The PHD-620 Pin Hole Detector can be carried by the operator due to its light weight and portable design.

The PHD-620 Pin Hole Detector is supplied in a hard plastic foam filled carry case complete with 150mm broad sponge assembly, and earthing cable.

A calibration certificate traceable to UKAS is available as a cost option upon request.

Complies with International Standards:

BS EN ISO 8289 A, BS 7793-2, ASTM D-5162, ASTM G62-87, ASTM G6-83, NACE RP 0188

| | | | ORDERING IN | FORMATION | | | |
|----------|--------------|------------------------------|---------------------------------|-------------------------------|----------|------------------|------------------------|
| Part no. | Range | Maximum Test Thickness 9V | Maximum Test Thickness 67.5V | Maximum Test Thickness 90V | Accuracy | Sponge Size | Cal. Cert. Part No. |
| 7866200 | 9V/67.5V/90V | 300µm 12mils | 500µm 20mils | 500µm 20mils | ±1% | 150 x 100 x 30mm | 7866211 |

| | | A | CCESSOR | IES | |
|----------|------------------------------|-------------|------------------|----------------|--|
| Part no. | Product | Size Metric | Size Imperial | Extension Size | Information |
| 7866210 | Extension rod | 500mm | 20" | | To extend Sponges for applications where |
| 7866220 | Extension rod | 1000mm | 40" | | a long reach is required. |
| 7866230 | Circular Sponge and Assembly | 50mm | 2" | 200mm / 8" | Circular Sponges for the testing of internal |
| 7866240 | Circular Sponge and Assembly | 100mm | 4" | 200mm / 8" | diameters of pipes. |
| 7866250 | Flat Sponge and Assembly | 200mm | 8″ | 200mm / 8" | For coatings on large flat areas. |
| 7866260 | Earth Cable | 10m | | | Larger testing area Earth Cables. |

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| High carbon steel shot & grit | 226 |
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High Carbon Steel Shot & Grit

Steel Shot Steel Grit Application

| S780/SS2.5 S660/SS2.0 | G10/SG2.5 G12/SG2.0 | Sand removal of large sized castings, scale removal of large sized products from forging, stamping, dieforging, drawing and rolling or after heat treatment (e.g. pipes, sections, plates, fittings, wire). |
|--------------------------|--------------------------------------|--|
| S550/SS1.7 S460/SS1.4 | G16/SG1.4 G14/SG1.7 | Sand removal of large and medium sized castings, scale removal of forging and heat-treated work pieces, surface blast cleaning of steel plates, sections and steel structures, shot peening of work pieces, cutting of granite. |
| S390/SS1.2 S330/SS1.0 | G18/SG1.2 G25/SG1.0 | Sand removal of medium and small sized castings, surface blast cle- aning of forgings, heat-treated pieces, steel pipes, sections and steel structures, surface treatment before painting, shot peening of work pieces. |
| S280/SS0.8 S230/SS0.6 | G25/SG1.0 G40/SG0.7 | Surface blast cleaning of small sized castings, forgings and heat-treated pieces, aluminium and copper alloy castings, steel plates, steel pipes, sections and steel structures, shot peening of work pieces. |
| S170/SS0.5 S110/SS0.3 | G50/SG0.4 G80/SG0.3 G120/SG0.2 | Surface blast cleaning of stainless steel plates, thin steel plates, non ferrous alloys, dacromet coat. |



| SPECIFICATION HIGH CARBON STEEL SHOT | | | | | | | | |
|--------------------------------------|--|------------------------------------|--|--|--|--|--|--|
| Chemical composition | (C): $0.80 - 1.20\%$ (Mn): $0.35 - 1.20\%$ (Si): ≥ 0.40 (S): $\leq 0.05\%$ (P): $\leq 0.05\%$ | | | | | | | |
| Hardness | 40 - 50HRC, 52 - 56H | 40 - 50HRC, 52 - 56HRC, 56 - 60HRC | | | | | | |
| Hardness deviation | Max. deviation ±3.0 | HRC | | | | | | |
| Microstructure | Tempered martensite | Tempered martensite or sorbite | | | | | | |
| Density | 7.4 g/cm ³ | 7.4 g/cm ³ | | | | | | |
| Bulk density | 4.4 g/cm ³ | | | | | | | |

| mesh | mm | SS-2.5 | SS-2.0 | SS-1.7 | SS-1.4 | SS-1.2 | SS-1.0 | SS-0.8 | SS-0.6 | SS-0.5 | SS-0.3 |
|------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 7 | 2.80 | all pass | | | | | | | | | |
| 8 | 2.36 | | all pass | | | | | | | | |
| 10 | 2.00 | 85%min | | all pass | all pass | | | | | | |
| 12 | 1.70 | 97%min | 85%min | | 5%max | all pass | | | | | |
| 14 | 1.40 | | 97%min | 85%min | | 5%max | all pass | | | | |
| 16 | 1.18 | | | 97%min | 85%min | | 5%max | all pass | | | |
| 18 | 1.00 | | | | 96%min | 85%min | | 5%max | all pass | | |
| 20 | 0.850 | | | | | 96%min | 85%min | | 10%max | all pass | |
| 25 | 0.710 | | | | | | 96%min | 85%min | | 10%max | |
| 30 | 0.600 | | | | | | | 96%min | 85%min | | all pass |
| 35 | 0.500 | | | | | | | | 97%min | | 10%max |
| 40 | 0.425 | | | | | | | | | 85%min | |
| 45 | 0.355 | | | | | | | | | 97%min | |
| 50 | 0.300 | | | | | | | | | | 80%min |
| 80 | 0.180 | | | | | | | | | | 90%min |
| 120 | 0.125 | | | | | | | | | | |
| 200 | 0.075 | | | | | | | | | | |
| 325 | 0.045 | | | | | | | | | | |
| SAE | J444 | S-780 | S-660 | S-550 | S-460 | S-390 | S-330 | S-280 | S-230 | S-170 | S-110 |

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High Carbon Steel Shot & Grit

| SPECIFICATION HIGH CARBON STEEL GRIT | | | | | | | | |
|--|-----------------------|--|--|--|--|--|--|--|
| Chemical composition (C): $0.80 - 1.20\%$ (Mn): $0.60 - 1.20\%$ (Si): ≥ 0.40 (S): ≤ 0.05% (P): ≤ 0.05% | | | | | | | | |
| Hardness | GP: 42 - 52HRC, GL: | GP: 42 - 52HRC, GL: 53 - 60HRC, GH: 60 - 64HRC | | | | | | |
| Hardness deviation | Max. deviation ±3.0 H | HRC | | | | | | |
| Microstructure | Tempered martensite | or sorbite | | | | | | |
| Density | 7.6 g/cm ³ | 7.6 g/cm ³ | | | | | | |
| Bulk density 4.2 g/cm ³ | | | | | | | | |

| mesh | mm | SG-2.5 | SG-2.0 | SG-1.7 | SG-1.4 | SG-1.2 | SG-1.0 | SG-0.7 | SG-0.4 | SG-0.3 | SG-0.2 |
|------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 7 | 2.80 | all pass | | | | | | | | | |
| 8 | 2.36 | | all pass | | | | | | | | |
| 10 | 2.00 | 80%min | | all pass | | | | | | | |
| 12 | 1.70 | 90%min | 80%min | | all pass | | | | | | |
| 14 | 1.40 | | 90%min | 80%min | | all pass | | | | | |
| 16 | 1.18 | | | 90%min | 75%min | | all pass | | | | |
| 18 | 1.00 | | | | 85%min | 75%min | | all pass | | | |
| 20 | 0.850 | | | | | | | | | | |
| 25 | 0.710 | | | | | 85%min | 70%min | | all pass | | |
| 30 | 0.600 | | | | | | | | | | |
| 35 | 0.500 | | | | | | | | | | |
| 40 | 0.425 | | | | | | 80%min | 70%min | | all pass | |
| 45 | 0.355 | | | | | | | | | | |
| 50 | 0.300 | | | | | | | 80%min | 65%min | | all pass |
| 80 | 0.180 | | | | | | | | 75%min | 65%min | |
| 120 | 0.125 | | | | | | | | | 75%min | 60%min |
| 200 | 0.075 | | | | | | | | | | 70%min |
| 325 | 0.045 | | | | | | | | | | |
| SAE |]444 | G-10 | G-12 | G-14 | G-16 | G-18 | G-25 | G-40 | G-50 | G-80 | G-120 |

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Low Carbon Steel Shot

Product and Applications

Low carbon steel shot has a lower hardness than high carbon steel shot. Because of its microstructure it resist impact well until the moment it suddenly scatters and turns into dust.

It is often used for flash descaling. Since low carbon steel shot is softer it not possible to crush it into grit, which is therefore not available.



Chemical composition

| C (%) | Mn (%) | Si (%) | S (%) | P (%) |
|-----------|--------|-----------|---------|---------|
| 0.10-0.17 | 1.00 | 0.10-0.25 | < 0.035 | < 0.035 |

Physical properties

Grain shape : Spherical Hardness : 40-45 HRC Microstructure : Bainitic Density : $\geq 7.5 \text{ g/cm}^3$ Bulk density : Approx. 4.4 g/cm³

Sizes

| mesh | mm | SS-2.5 | SS-2.0 | SS-1.7 | SS-1.4 | SS-1.2 | SS-1.0 | SS-0.8 | SS-0.6 | SS-0.5 | SS-0.3 |
|------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 7 | 2.80 | all pass | | | | | | | | | |
| 8 | 2.36 | | all pass | | | | | | | | |
| 10 | 2.00 | 85%min | | all pass | all pass | | | | | | |
| 12 | 1.70 | 97%min | 85%min | | 5%max | all pass | | | | | |
| 14 | 1.40 | | 97%min | 85%min | | 5%max | all pass | | | | |
| 16 | 1.18 | | | 97%min | 85%min | | 5%max | all pass | | | |
| 18 | 1.00 | | | | 96%min | 85%min | | 5%max | all pass | | |
| 20 | 0.850 | | | | | 96%min | 85%min | | 10%max | all pass | |
| 25 | 0.710 | | | | | | 96%min | 85%min | | 10%max | |
| 30 | 0.600 | | | | | | | 96%min | 85%min | | all pass |
| 35 | 0.500 | | | | | | | | 97%min | | 10%max |
| 40 | 0.425 | | | | | | | | | 85%min | |
| 45 | 0.355 | | | | | | | | | 97%min | |
| 50 | 0.300 | | | | | | | | | | 80%min |
| 80 | 0.180 | | | | | | | | | | 90%min |
| 120 | 0.125 | | | | | | | | | | |
| 200 | 0.075 | | | | | | | | | | |
| 325 | 0.045 | | | | | | | | | | |
| SAE | J444 | S-780 | S-660 | S-550 | S-460 | S-390 | S-330 | S-280 | S-230 | S-170 | S-110 |

Other sizes on request.

Packaging

- 25 kgs. PE bags on EURO-pallet (max. 1000 kgs.)
- 1000 kgs. in big bags
- Other packaging on request.

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Stainless Steel Shot

Product and Applications

Companies which are casting or fabricating stainless, aluminum or light alloy parts can safely use stainless steel abrasives, since they secure the parts from ferrous residue contamination and it achieves effective blasting performances.

Stainless steel abrasives are very durable and are being used for deburring, blast cleaning and surface finishing.



Chemical composition

AISI 410:

| A131 +10. | | | | | | | | | | |
|-----------|-----------|--------|--------|--------|-------|-------|--------|-------|--|--|
| C (%) | Mn (%) | Si (%) | Cr (%) | Ni (%) | P (%) | S (%) | Cu (%) | N (%) | | |
| 0.018 | 0.38 | 0.3 | 12.2 | 0.1 | 0.016 | 0.001 | 0.03 | 0.02 | | |
| AISI 430: | | | | | | | | | | |
| C (%) | Mn (%) | Si (%) | Cr (%) | Ni (%) | P (%) | S (%) | Cu (%) | N (%) | | |
| 0.11 | 0.38 | 0.3 | 16.15 | 0.1 | 0.016 | 0.001 | 0.03 | 0.02 | | |
| AISI 202: | | | | | | | | | | |
| C (%) | Mn (%) | Si (%) | Cr (%) | Ni (%) | P (%) | S (%) | Cu (%) | N (%) | | |
| 0.88 | 10.7 | 0.7 | 17.08 | 4.15 | 0.036 | 0.028 | 0.04 | 0 | | |
| AISI 205: | | | | | | | | | | |
| C (%) | Mn (%) | Si (%) | Cr (%) | Ni (%) | P (%) | S (%) | Cu (%) | N (%) | | |
| 0.105 | 15.4 | 0.52 | 12.7 | 2.06 | 0.029 | 0.028 | 0.03 | 0 | | |
| AISI 304: | AISI 304: | | | | | | | | | |
| C (%) | Mn (%) | Si (%) | Cr (%) | Ni (%) | P (%) | S (%) | Cu (%) | N (%) | | |
| 0.065 | 1.1 | 0.6 | 18.03 | 8.02 | 0.036 | 0.012 | 0 | 0.04 | | |

Physical properties

Grain shape : Spherical Hardness : 32-50 HRC Tensile intensity : 490-1520 Mpa

Microstructure : AISI 304: Deformed Austenite
AISI 430/410: Deformed Ferrite

: 4.5 g/cm³

Density : 7.8 g/cm³

Sizes

Bulk density

| 0.200 | | |
|--------|--------|--------|
| 0.3 mm | 0.9 mm | 1.5 mm |
| 0.4 mm | 1.0 mm | 1.6 mm |
| 0.5 mm | 1.1 mm | 1.7 mm |
| 0.6 mm | 1.2 mm | 1.8 mm |
| 0.7 mm | 1.3 mm | 1.9 mm |
| 0.8 mm | 1.4 mm | 2.0 mm |

Other sizes on request

Packaging

- 25 kgs. PE bags on EURO-pallet (max. 1000 kgs.)
- 1000 kgs. in big bag

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Chilled Iron Grit

Product and Applications

Chilled iron is a hard abrasive making it suitable for etching purposes, but less resistant to impact. During the blasting process chilled iron breaks at an angle producing a permanent mixture of sharp grit with the ability to roughen up the hardest surface and clean quickly.

It is suitable to be used in blast rooms for fast cleaning and edging but should not be used in shot blast machines, since it quickly wears down the machines parts.



Chemical composition

| С | Si | Mn | Р | S | Fe |
|---------------|--------------|---------------|----------|----------|--------|
| 2,90 - 3,40 % | 0,8 - 1,50 % | 0,30 - 1,00 % | < 0,35 % | < 0,17 % | > 93 % |

Physical properties

 $\begin{array}{lll} \text{Grain shape} & : & \text{angular} \\ \text{Hardness} & : & \geq 56 \text{ HRC} \\ \text{Bulk density} & : & 3,0 \text{ to } 5,0 \text{ g/cm}^3 \\ \text{Microstructure} & : & \text{martensitic} \\ \text{Density} & : & \geq 7.0 \text{ g/cm}^3 \end{array}$

Sizes

| G80 | 2.0-2.8 mm | G24 | 0.6-1.0 mm |
|-----|-------------|-----|--------------|
| G66 | 1.7-2.4 mm | G17 | 0.42-0.85 mm |
| G55 | 1.4-2.0 mm | G12 | 0.3-0.71 mm |
| G47 | 1.2-1.7 mm | G07 | 0.18-0.42 mm |
| G39 | 1.0-1.4 mm | G05 | 0.12-0.3 mm |
| G34 | 0.85-1.2 mm | G02 | ≤ 0.13 mm |

Other sizes on request.

Packaging

• 25 kgs. bags on EURO-pallet (max. 1000 kgs.)

• Other packaging upon request

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Stainless Steel Cut Wire

Product and Applications

Stainless Steel Cut Wire is used for cleaning and peening applications where ferrous contamination can't be tolerated. It produces a very bright surface, maintains its shape longer then cast abrasives and it produces a dust free surface.

Stainless Steel Cut Wire is available as cut or conditioned and with various chemical compositions.



Chemical composition

AISI 410:

| / (101 1101 | | | | | | | | |
|-------------|--------|--------|--------|--------|-------|-------|--------|-------|
| C (%) | Mn (%) | Si (%) | Cr (%) | Ni (%) | P (%) | S (%) | Cu (%) | N (%) |
| 0.018 | 0.38 | 0.3 | 12.2 | 0.1 | 0.016 | 0.001 | 0.03 | 0.02 |
| AISI 430: | | | | | | | | |
| C (%) | Mn (%) | Si (%) | Cr (%) | Ni (%) | P (%) | S (%) | Cu (%) | N (%) |
| 0.11 | 0.38 | 0.3 | 16.15 | 0.1 | 0.016 | 0.001 | 0.03 | 0.02 |
| AISI 202: | | | | | | | | |
| C (%) | Mn (%) | Si (%) | Cr (%) | Ni (%) | P (%) | S (%) | Cu (%) | N (%) |
| 0.88 | 10.7 | 0.7 | 17.08 | 4.15 | 0.036 | 0.028 | 0.04 | 0 |
| AISI 205: | | | | | | | | |
| C (%) | Mn (%) | Si (%) | Cr (%) | Ni (%) | P (%) | S (%) | Cu (%) | N (%) |
| 0.105 | 15.4 | 0.52 | 12.7 | 2.06 | 0.029 | 0.028 | 0.03 | 0 |
| AISI 304: | | | | | | | | |
| C (%) | Mn (%) | Si (%) | Cr (%) | Ni (%) | P (%) | S (%) | Cu (%) | N (%) |
| 0.065 | 1.1 | 0.6 | 18.03 | 8.02 | 0.036 | 0.012 | 0 | 0.04 |

Physical properties

Grain shape : Cylindrical or round

Hardness : 308-509 HV (depending on size & grain shape)

Tensile intensity : 490-1520 Mpa

Microstructure : AISI 304: Deformed Austenite
AISI 430/410: Deformed Ferrite

 $\begin{array}{lll} \text{Density} & : & 7.8 \text{ g/cm}^3 \\ \text{Bulk density} & : & 4.5 \text{ g/cm}^3 \end{array}$

Sizes

| 0.3 mm | 0.9 mm | 1.5 mm |
|--------|--------|--------|
| 0.4 mm | 1.0 mm | 1.6 mm |
| 0.5 mm | 1.1 mm | 1.7 mm |
| 0.6 mm | 1.2 mm | 1.8 mm |
| 0.7 mm | 1.3 mm | 1.9 mm |
| 0.8 mm | 1.4 mm | 2.0 mm |

Other sizes on request

Packaging

- 25 kgs. PE bags on EURO-pallet (max. 1000 kgs.)
- 1000 kgs. in big bag

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Carbon Steel Cut Wire

Product and Applications

Carbon steel cut wire are made of from steel wire cut in pieces. The cylindrical cut wire is mainly used in the foundry and construction industries for heavy duty applications like de-sanding, descaling and cleaning.

The cylindrical cut wire achieves a high cleaning efficiency and has a long service life.



Chemical composition

| C (%) | Mn (%) | Si (%) | S (%) | P (%) | Fe (%) |
|-----------|-----------|-----------|--------|--------|---------------|
| 0.45-0.70 | 0.30-1.30 | 0.15-0.35 | ≤ 0.05 | ≤ 0.04 | The remaining |

Physical properties

Grain shape : Cylindrical
Hardness : 41-53 HRC
Tensile intensity : 1300-2200 Mpa
Microstructure : Deformed pearlite

Density : 7.8 g/cm^3 Bulk density : 4.5 g/cm^3

Sizes

| 0.4 mm | 0.8 mm |
|--------|--------|
| 0.5 mm | 0.9 mm |
| 0.6 mm | 1.0 mm |
| 0.7 mm | 1.1 mm |

Other sizes on request.

Packaging

• 25 kgs. PE bags on EURO-pallet (max. 1000 kgs.)

• Other packaging on request.

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Aluminium Cut Wire

Product and Applications

Aluminium Cut Wire shot is used for the blast cleaning, surface finishing and deburring of mainly aluminium castings and forgings.

It is very durable and leaves no ferrous residue on the substrate.



Chemical composition

| Al | |
|-----|-----|
| 99% | o o |

Physical properties

Grain shape : Cylindrical Hardness : 40-50 HV Tensile intensity : 80-240 Mpa Microstructure : Deformed a Density : 2.7 g/cm³ Bulk density : 1.5 g/cm³

Sizes

| 0.6 mm | 1.4 mm |
|--------|--------|
| 0.8 mm | 1.5 mm |
| 0.9 mm | 1.6 mm |
| 1.0 mm | 1.7 mm |
| 1.1 mm | 1.8 mm |
| 1.2 mm | 1.9 mm |
| 1.3 mm | 2.0 mm |

Packaging

• 12,5 kgs. PE bags on EURO-pallet (max. 1000 kgs.)

• 1000 kgs. in big bag

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Zinc Cut Wire

Product and Applications

Zinc Cut Wire is a relatively soft abrasive with a high denisity giving it good kentic energy. It creates less dust then steel or aluminum abrasives, has a long life cycle and causes relatively low wear on machine parts.

Zinc Cut Wire is used in applications where a soft material is required for de-flashing and deburring zinc or aluminium die castings and it is also used to strip paint and powder coatings without damaging the substrate.



Chemical composition

| Zn |
|-----------|
| > 99.99 % |

Physical properties

Grain shape : Angular
Hardness : 45-50 HV
Tensile intensity : 90-120 Mpa
Microstructure : Deformed a
Density : 7.1 g/cm³
Bulk density : 4.1 g/cm³

Sizes

| 0.6 mm | 1.4 mm |
|--------|--------|
| 0.8 mm | 1.5 mm |
| 0.9 mm | 1.6 mm |
| 1.0 mm | 1.7 mm |
| 1.1 mm | 1.8 mm |
| 1.2 mm | 1.9 mm |
| 1.3 mm | 2.0 mm |

Other sizes on request.

Packaging

- 12,5 kgs. PE bags on EURO-pallet (max. 1000 kgs.)
- 1000 kgs. in big bag

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Brown Fused Alumina

Product and Applications

Brown fused Alumina is mainly used as a recyclable abrasive in blast cabinets and blast rooms. Because of its low iron content, alumina is often used in blasting operations where iron contamination on the non-ferrous metal substrate is not allowed. Aluminium oxide is a very hard and sharp abrasive that cleans rapidly.

It leaves an anchor profile prior to coating and is suitable for removal of scale, rust and old coatings. Furthermore it is used for ceramic grinding wheels, refractory applications and polishing and grinding.



Chemical composition

| Al ₂ O ₃ | TiO ₂ | Fe ₂ O ₃ | SiO ₂ |
|--------------------------------|------------------|--------------------------------|------------------|
| Min. 94,5 % | Max. 3,7 % | Max. 0,6 % | Max. 0,7 % |

Physical properties

Grain shape : Angular Hardness : 9.0 mohs

Bulk density : $1.70 - 1.92 \text{ g/cm}^3$ Specific gravity : min. 3.90 g/cm^3

Colour : Brown

Sizes

| F08 | 2000-2800 μm | F46 | 300 - 425 μm |
|-----|--------------|------|--------------|
| F10 | 1700-2360 μm | F54 | 250 - 355 μm |
| F12 | 1400-2000 μm | F60 | 212 - 300 μm |
| F14 | 1180-1700 μm | F70 | 180 - 250 μm |
| F16 | 1000-1400 μm | F80 | 150 - 212 μm |
| F20 | 850-1180 μm | F90 | 125 - 180 μm |
| F22 | 710-1000 μm | F100 | 106 - 150 μm |
| F24 | 600 - 850 μm | F120 | 90 - 125 μm |
| F30 | 500 - 710 μm | F150 | 63 - 106 μm |
| F36 | 425 - 600 μm | F180 | 63 - 90 μm |
| F40 | 355 - 500 μm | F220 | 53 - 75 μm |

Packaging

• 40 x 25 kgs. bags on EURO format pallet (1000 kgs.)

• 1000 kgs. in big bag

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White Fused Alumina

Product and Applications

White Fused Alumina is mainly used is as a recyclable abrasive in blast cabinets and blast rooms, where high purity of the abrasive is required. Because of its low iron content, white fused alumina is often used in blasting operations where iron contamination on the non-ferrous metal substrate is not allowed.

White Fused Alumina is the purest alumina and it is very hard and sharp with a fast cleaning rate.



Chemical composition

| Al ₂ O ₃ | Na ₂ O | Fe ₂ O ₃ | SiO ₂ |
|--------------------------------|-------------------|--------------------------------|------------------|
| 99.58% | 0.33% | 0.03% | 0.06% |

Physical properties

Grain shape : Angular
Hardness : 9.0 mohs
Bulk density : 1.4 - 2.1 g/cm³
Specific gravity : min. 3.95 g/cm³

Colour : White

Sizes

| F08 | 2000-2800 μm | F46 | 300 - 425 μm |
|-----|--------------|------|--------------|
| F10 | 1700-2360 μm | F54 | 250 - 355 μm |
| F12 | 1400-2000 μm | F60 | 212 - 300 μm |
| F14 | 1180-1700 μm | F70 | 180 - 250 μm |
| F16 | 1000-1400 μm | F80 | 150 - 212 μm |
| F20 | 850-1180 μm | F90 | 125 - 180 μm |
| F22 | 710-1000 μm | F100 | 106 - 150 μm |
| F24 | 600 - 850 μm | F120 | 90 - 125 μm |
| F30 | 500 - 710 μm | F150 | 63 - 106 μm |
| F36 | 425 - 600 μm | F180 | 63 - 90 μm |
| F40 | 355 - 500 μm | F220 | 53 - 75 μm |
| | | | |

Packaging

• 25 kgs. PE bags on EURO-pallet (max. 1000 kgs.)

• 1000 kgs. in big bag

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Garnet

Product and Applications

Garnet is a natural mineral abrasive which is irregularly shaped with polished edges, it contains no heavy materials and has a low level of free silica. Because garnet is very heavy and hard for a mineral abrasive it accomplishes a fast cleaning or cutting rate. Our garnet is the abrasive of choice for water jet cutting and blasting applications. Some of the advantages of garnet are; fast cleaning and cutting, relatively low dust generation as compared to copper- or coal slag, environmental friendly and reusability.



Chemical composition

| Almandine Garnet Fe3Al2(SiO4) 3 | | 80-85% |
|---------------------------------|--------|--------|
| | | |
| Ilmenite | FeTiO3 | 15-20% |
| | | |

** Full analysis on application

Physical properties

Grain Shape : Angular
Colour : Red / Pink
Hardness : 7,8 - 8,00 Mohs
Bulk density : 2,30 g/cm3
Specific Gravity : 4,10 g/cm3
Chlorides : < 30 ppm

Conductivity : $< 250 \mu S/cm$ (test method ISO 11127)

Sizes

| Grade | Profile range (µm) | Size range (µm) | | |
|-------|--------------------|-----------------|--|--|
| | Waterjet cutting | | | |
| | | 450 405 | | |
| W80 | | 150-425 | | |
| W120 | 125-300 | | | |
| | | | | |
| | Blasting | | | |
| 20/60 | 65-95 | 250-850 | | |
| 30/60 | 50-75 | 50-75 250-600 | | |
| 20/40 | 70-110 425-850 | | | |

Packaging

- 25 kgs. pp bags in a big bag (1000 kgs.)
- 1 ton in big bag
- 2 tons in big bag

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Glass Beads

Product and Applications

Glass beads are a reusable abrasive and are mainly used in blast rooms and blast cabinets. Glass beads contain no free iron to cause corrosion on non-ferrous surfaces, therefor glass beads are very suitable to use on all types of metals.

Since it doesn't create an anchor profile, it is mainly used to clean a substrate without roughening it or to polish the surface.



Chemical composition

| Al ₂ O ₃ | TiO ₂ | Fe ₂ O ₃ | SiO ₂ | CaO | MgO |
|--------------------------------|------------------|--------------------------------|------------------|---------|---------|
| 0.50-2.0 % | > 14 % | < 0,15 % | > 65.0 % | > 8,0 % | > 2,5 % |

Physical properties

Grain shape : Spherical

Hardness : approx. 6 - 7 mohs
Bulk density : approx. 1.4 - 1.7 g/cm³

Specific gravity : 2.3 - 2.6 g/cm³
Colour : White / transparent

Sizes

| 0 - 50 μm | 150-250 μm |
|------------|------------|
| 40 -70 μm | 200-300 μm |
| 70-110 μm | 300-400 μm |
| 90-150 μm | 400-600 μm |
| 100-200 μm | 600-800 μm |

Packaging

• 25 kgs. PE bags on EURO-pallet (max. 1000 kgs.)

• 1000 kgs. in big bag

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Aluminium Silicate

Product and Applications

Also known as coal slag is a dispensable abrasive which is a by-product of coal fired electric power generation plants.

Our aluminium silicate generates less dust than copper slag and is mainly used in open blasting operations in the oil- and shipyard industry.



Chemical composition

| Silicon dioxide | Aluminium oxide | Iron(III) oxide | Calcium oxide | Potassium oxide |
|--------------------|--------------------|--------------------|------------------|-----------------|
| 42-58% | 23-32% | 3-15% | 2-8.5% | 0.5-4.6% |

Physical properties

 $\begin{array}{lll} \text{Grain density} & : & 2.4 - 2.6 \text{ kg/dm}^3 \\ \text{Bulk density} & : & 1.05 - 1.4 \text{ kg/dm}^3 \\ \text{Hardness} & : & \text{min. 6 Mohs} \end{array}$

Sizes

| 0.2 - 0.5 mm | 0.5 - 1.4 mm |
|--------------|--------------|
| 0.2 - 1.0 mm | 0.5 - 2.0 mm |
| 0.2 - 1.4 mm | 1.0 - 2.0 mm |
| 0.2 - 2.0 mm | 1.4 - 2.8 mm |

Other sizes on request.

Packaging

- 42 X 25 kg paper bags on EURO-pallet (1050 kgs.)
- \bullet 1000/1500 kgs. in big bag

 $\bullet \ \text{in bulk} \\$

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Notes

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Section 12 - Tips & Tricks

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| Blasting - Nozzle Selector Type Guide / Air Line Sizes | 243 |
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Nozzle Pressure/Diameter/Service Life/Air Volume

| ORIFICE | | | NO | ZZLE PI | RESSUF | RE / NO | ZZLE C | DIAMET | ER GU | IDE | | | | | |
|------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|---|-----------------------|--------------------------|
| (mm) (") | 60 PSI | 4.2 BAR | 70 PSI | 4.9 BAR | 80 PSI | 5.6 BAR | 90 PSI | 6.3 BAR | 100 PSI | 7.0 BAR | 120 PSI | 8.5 BAR | | | |
| 5.0 mm 3/16" | 30.0 171.0 7 | 0.85 77.00 5.3 | 33.0 196.0 8 | 0.93 89.00 5.6 | 38.0 216.0 9 | 1.08 96.00 6.4 | 41.0 238.0 10 | 1.16 108.00 7.1 | 45.0 264.0 10 | 1.27 120.00 7.5 | 58.0 375.0 12 | 1.64 170.00 9.0 | REQUIRED AIR REQUIRED ABRASIVE REQUIRED POWER | CFM Lbs./hr. hp | m³/min KG/hr.* kw |
| 6,5 mm 4/16" | 54.0 312.0 12 | 1.53 141.00 9.0 | 61.0 354.0 14 | 1.73 160.00 10.1 | 68.0 408.0 16 | 1.93 185.00 11.6 | 74.0 448.0 17 | 2.10 203.00 12.4 | 81.0 494.0 18 | 2.29 224.00 13.5 | 105.0 660.0 22 | 2.97 300.00 16.2 | REQUIRED AIR REQUIRED ABRASIVE REQUIRED POWER | CFM Lbs./hr. hp | m³/min KG/hr.* kw |
| 8.0 mm 5/16" | 89.0 534.0 20 | 2.52 242.00 15.0 | 101.0 604.0 23 | 2.86 274.00 19.1 | 113.0 672.0 26 | 3.20 305.00 20.2 | 126.0 740.0 28 | 3.57 335.00 21.0 | 137.0 850.0 31 | 3.88 385.00 22.9 | 160.0 1.050.0 37 | 4.53 476.00 27.5 | REQUIRED AIR REQUIRED ABRASIVE REQUIRED POWER | CFM Lbs./hr. hp | m³/min KG/hr. * kw |
| 9.5 mm 6/16" | 126.0 764.0 28 | 3.57 346.00 21.0 | 143.0 864.0 32 | 4.05 392.00 24.0 | 161.0 960.0 36 | 4.56 425.00 27.0 | 173.0 1.052.0 39 | 4.90 477.00 28.9 | 196.0 1.152.0 44 | 5.55 523.00 33.0 | 235.0 1.475.0 52 | 6.65 669.00 39.6 | REQUIRED AIR REQUIRED ABRASIVE REQUIRED POWER | CFM Lbs./hr. hp | m³/min KG/hr. * kw |
| 11.0 mm 7/16" | 170.0 1.032.0 38 | 4.81 468.00 28.5 | 184.0 1.176.0 44 | 5.21 533.00 32.6 | 217.0 1.312.0 49 | 6.14 595.00 36.4 | 240.0 1.448.0 54 | 6.80 657.00 40.1 | 254.0 1.584.0 57 | 7.19 719.00 42.4 | 315.0 2.050.0 69 | 8.92 930.00 50.9 | REQUIRED AIR REQUIRED ABRASIVE REQUIRED POWER | CFM Lbs./hr. hp | m³/min KG/hr. * kw |
| 12.5 mm 8/16" | 224.0 1.336.0 50 | 6.34 606.00 37.5 | 252.0 1.512.0 56 | 7.14 686.00 42.0 | 280.0 1.680.0 63 | 7.93 762.00 46.9 | 309.0 1.856.0 69 | 8.75 842.00 51.8 | 338.0 2.024.0 75 | 9.57 918.00 56.3 | 410.0 2.650.0 90 | 11.61 1.202.00 67.6 | REQUIRED AIR REQUIRED ABRASIVE REQUIRED POWER | CFM Lbs./hr. hp | m³/min KG/hr. * kw |

Chart shows calculated consumption rates of air and abrasive for new nozzles. When slecting a compressor add 50% to above figures to allow for normal nozzle wear and friction loss.

NOTE: Figures may vary depending upon working conditions. To maintain desired air pressure as nozzle orifice wears, air consumption increases. The effects of nozzle wear on air consumption must be considered when selecting nozzles and the compressors that support them.

| Approximate nozzle service life in hours* | | | | | | | | | | |
|---|------------------------|----------------------|------------------------|--|--|--|--|--|--|--|
| Nozzle material | Steel shot and grit | Expendable abrasives | Alu-oxide abrasives | | | | | | | |
| Tungsten carbide | 500-800 | 300-400 | 20-40 | | | | | | | |
| Silicon carbide and nitride | 600-1000 | 400-600 | 50-100 | | | | | | | |
| Boron carbide | 1500-2500 | 750-1500 | 200-1000 | | | | | | | |

| | Minimum Air Volume Table Air Volume Requirements at 100 PSI for a Complete Blast System | | | | | | | | | | | |
|--------|--|---------------|-------------|-----------------------|----------------------|--|--|--|--|--|--|--|
| Nozzle | Size of orifice | Volume of air | Plus helmet | Plus 50% (reserve) | Minimum air required | | | | | | | |
| N- 4 | 1/4" | 81 | 20 | 50 | 151 cfm | | | | | | | |
| No. 4 | 6.5 mm | 2.3 | 0.5 | 1.4 | 4.2 m³/min. | | | | | | | |
| | 5/16" | 137 | 20 | 79 | 236 cfm | | | | | | | |
| No. 5 | 8.0 mm | 3.9 | 0.5 | 2.2 | 6.6 m³/min. | | | | | | | |
| | 3/8″ | 196 | 20 | 108 | 324 cfm | | | | | | | |
| No. 6 | 9.5 mm | 5.5 | 0.5 | 3.0 | 9.0 m³/min. | | | | | | | |
| | 7/16" | 254 | 20 | 137 | 411 cfm | | | | | | | |
| No. 7 | 11.0 mm | 7.2 | 0.5 | 3.9 | 11.6 m³/min. | | | | | | | |
| | 1/2" | 338 | 20 | 179 | 537 cfm | | | | | | | |
| No. 8 | 12.5 mm | 9.6 | 0.5 | 5.0 | 16.1 m³/min. | | | | | | | |

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st Based on abrasive density of 1,5 kgs. per liter.



Nozzle Selector Type Guide / Air Line Sizes

| TYPE | CASING | LINER | LENGHT | | INLET THREAD | | | READ | ORIFICE SIZE RANGE | | |
|------------|--------------------------|------------------|--------|--------|--------------|----|-------|------|--------------------|------------|--------------|
| | | | Short | Medium | Long | 1" | 11/4" | FINE | LARGE (50 mm) | IN MM | IN INCHES |
| ATSD | ALUMINIUM | TUNGSTEN CARBIDE | | | | | | | | 5.0 - 12.5 | 3/86" - 1/2" |
| ATSDX | ALUMINIUM | TUNGSTEN CARBIDE | | | | | | | | 6.5 - 19.0 | 1/4" - 3/4" |
| ATSDX-X/50 | ALUMINIUM | TUNGSTEN CARBIDE | | | | | | | | 6.5 - 19.0 | 1/4" - 3/4" |
| RJL-X/50 | ALU. / RUBBER SLEEVED | TUNGSTEN CARBIDE | | | | | | | | 5.0 - 19.0 | 3/16" - ¾" |
| ATJD | ALUMINIUM | TUNGSTEN CARBIDE | | | | | | | | 5.0 - 12.5 | 3/16" - 1/2" |
| ATJDX | ALUMINIUM | TUNGSTEN CARBIDE | | | | | | | | 8.0 - 16.0 | 5/16" - 5/8" |
| ATJDX-X/50 | ALUMINIUM | TUNGSTEN CARBIDE | | | | | | | | 8.0 - 16.0 | 5/16" - 5/8" |
| AT | ALUMINIUM | TUNGSTEN CARBIDE | | | | | | | | 3.0 - 12.5 | 1/8" - 1/2" |
| ATL | ALUMINIUM | TUNGSTEN CARBIDE | | | | | | | | 3.0 - 12.5 | 1/8" - 1/2" |
| AAM-X/50 | ALUMINIUM | TUNGSTEN CARBIDE | | | | | | | | 3.0 - 9.5 | 1/8" - 3/8" |
| ABSN-X/50 | POLYURETHANE | SILICON NITRIDE | | | | | | | | 5.0 - 12.5 | 3/16" - 1/2" |
| ABCL-X/50 | ALUMINIUM | BORON CARBIDE | | | | | | | | 6.5 - 12.5 | 1/4" - 1/2" |

| Minimum Compressor Air Line Sizes | | | | | | |
|-----------------------------------|------------------------|--|--|--|--|--|
| Nozzle orifice size | Minimum air line ID | | | | | |
| 1/4" (6.5mm) | 1" (25mm) | | | | | |
| 5/16" (8.0mm) | 1 1/4" (32mm) | | | | | |
| 3/8" (9.5mm) | 1 1/2" (38mm) | | | | | |
| 7/16" (11.0mm) | 2" (50mm) | | | | | |
| 1/2" (12.5mm) | 2" (50mm) | | | | | |
| 5/8" (16.0mm) | 2 1/2" (64mm) | | | | | |
| 3/4" (19mm) | 3" (76mm) | | | | | |

| | COMPATIBILITY GUIDE | | | | | | | | | | | | |
|-----|---------------------|--------------|-------------------|----------|-----------------------|---------------|-------------|--|--|--|--|--|--|
| No. | Nozzle | Recommend | Recommended range | | range Minimum Minimum | | Minimum | | | | | | |
| NO. | Orifice | m³/min | CFM | capacity | Pipe ID | Blast Hose ID | Air Hose ID | | | | | | |
| 3 | 5.0 mm | 1.27 - 2.29 | 45 - 81 | 60 ltr. | 1" | 3/4″ | 1" | | | | | | |
| 4 | 6.5 mm | 2.29 - 3.88 | 81 - 137 | 60 ltr. | 1" | 1" - 11/4" | 11/4" | | | | | | |
| 5 | 8.0 mm | 3.88 - 5.55 | 137 - 196 | 100 ltr. | 1" | 1" - 11/4" | 11/4" | | | | | | |
| 6 | 9.5 mm | 5.55 - 7.19 | 196 - 254 | 200 ltr. | 11/4" | 11/4" | 11/2" | | | | | | |
| 7 | 11.0 mm | 7.19 - 9,57 | 254 - 338 | 200 ltr. | 11/4" | 11/4" - 11/2" | 2" | | | | | | |
| 8 | 12.5 mm | 9.57 - 15.52 | 338 - 548 | 200 ltr. | 11/4" | 11/2" | 2" | | | | | | |

Note: Best performance is obtained when sizes of nozzle, blast machine piping, blast hose and air hose are properly matched.

- \bullet m³/min and CFM range is based on blasting at 7 bar (100 psi) for the life of the nozzle.
- Blast machine capacity should allow 20 to 30 minutes of blasting.
- \bullet Hose ID should be three to four times the size of the nozzle orifice.

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Steel Surface Finish Standards

RUST GRADES

Steel surface largely covered with adhering mill scale but little, if any, rust.



Steel surface has begun to rust and mill scale has begun to flake.



Mill scale on steel surface has rusted away, but with slight pitting visible under normal vision.



Mill scale on steel surface has rusted away, general pitting is visible under normal vision

Brush-Off Blast Cleaning (SA 1)

Cleaning (SA 1)

Removal of loose mill scale, loose rust, and loose paint, to the degree hereafter specified, by the impact of abrasives propelled through nozzles or by centrifugal wheels. It is not intended that the surface shall be free of all mill scale, rust, and paint. The remaining mill scale, rust, and paint should be tight and the surface should be sufficiently abraded to provide good adhesion and bonding of paint. A brush-off blast cleaned surface finish is defined as one from which all oil, grease, dirt, rust scale, loose mill scale, loose rust and loose paint or coatings are removed completely but tight mill scale and tightly adhered rust, paint and coatings are permitted to remain provided that all mill scale and rust have been exposed to the abrasive blast pattern sufficiently to expose numerous flecks of the underlying metal fairly uniformly distributed over the entire surface.

Steel Structures Painting Council (USA) Swedish Standards Organization National Organization of Corrosion Engineers (USA)







Commercial Blast Cleaning (SA 2)

Cleaning (SA 2)
Removal of partial mill scale, rust, rust scale, paint or foreign matter by the use of abrasives propelled through nozzles or by centrifugal wheels, to the degree specified. A commercial blast cleaned surface finish is defined as one from which all oil, grease, dirt, rust scale and foreign matter have been completely removed from the surface and all rust, mill scale and old paint have been completely removed expet for slight shadows, streaks, or discoloration caused by rust stain, mill scale oxides or slight, tight residues of paint or coating that may remain if the surface is pitted, slight residues of rust or paint may by found in the bottom of pits at least two-thirds of each square inch of surface area shall be free of all visible residues and the remainder shall be limited to the light discoloration, slight staining or tight residues mentioned above.







Near-White Blast Cleaning (SA 2-1/2)

Cleaning (SA 2-1/2)
Removal of nearly all mill scale, rust, rust scale, paint, or foreign matter by the use of abrasives propelled through nozzles or by centrifugal wheels, to the degree hereafter specified. A near-white blast cleaned surface finish is defined as one from which all oil, grease, dirt, mill scale, rust, corrosion products, oxides, paint or other foreign matter have been completely removed from the surface except for very light shadows, very slight streaks or slight discolorations caused by rust stain, mill scale oxides, or light, tight residues of paint or coating that may remain. At least 95 percent of each square inch of surface area shall be free of all visible residues, and the remainder shall be limited residues, and the remainder shall be limited. residues, and the remainder shall be limited to the light discoloration mentioned above.

White Metal Blast Cleaning (SA 3)

Removal of all mill scale, rust, rust scale, paint or foreign matter by the use of abressives propelied through nozzles or by centrifugal wheels. A white metal blast cleaned surface finish is defined as a surface with a gray-white, uniform metallic color, slightly roughened to form a suitable anchor pattern for coatings. The surface, when viewed without magnification, shall be free of all oil, grease, dirt, visible mill scale, rust, corrosion products, oxides, paint, or any other foreign matter.

















The surface finish achieved by abrasive blast cleaning depends upon the original surface condition as well as the type of blasting equipment used, and the size, hardness, and type of abrasive.

The original surface condition of the steel can be described as:

- Steel surface largely covered with adhering mill scale by little, if any, rust.
- Steel surface which has begun to rust and from which the mill scale has begun to flake.
- Steel surface on which the mill scale has rusted away or from which it can be scraped, but with slight pitting visible under normal vision.
- Steel surface on which the mill scale has rusted away and on which general pitting is visible under normal vision.

Surface cleanliness is divided into four grades:

- SA 1 Brush off.
- SA 2 Commercial.
- SA 2-1/2 Near white metal.
- SA 3 White metal.

Airblast has become the industry standard, manufacturing and supplying surface finishing equipment worldwide through a network of branch-offices as well as distributors.

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Abrasive Blast Performance Guide

| Nozzle size in mm: | 4,8 | 6,5 | 8,0 | 9,5 | 11.0 | 12,5 |
|---|--------------|------|------------|-------------|------|------|
| CFM @ 7 bar / 100 PSI | 46 | 83 | 129 | 187 | 254 | 332 |
| Sand usage / hr. | 330 | 618 | 1015 | 1440 | 1980 | 2530 |
| FINISH: White Metal NACE #1/ | | | SQUARE MET | ER PER HOUF | R | |
| Loose Mill Scale; Light Rust; No Surface Pitting | 3,1 | 5,8 | 101 | 13,4 | 18,4 | 23,5 |
| Tight Mill Scale; Overall Rust; Some Pitting | 2,5 | 4,7 | 7,9 | 11,1 | 17,2 | 19,5 |
| Painted Surface; Heavy Rust; Pitted Surface | 1,5 | 2,9 | 4,7 | 6,7 | 9,2 | 11,7 |
| Multi-Coated or Heavily Pitted; Rust Scale | 1,2 | 2,3 | 3,8 | 5,3 | 7,3 | 9,4 |
| FINISH: Near White NACE #2/ SA2½ | | | SQUARE MET | ER PER HOUF | ₹ | |
| Loose Mill Scale; Light Rust; No Surface Pitting | 3,3 | 7,9 | 9,8 | 14,0 | 19,3 | 24,7 |
| Tight Mill Scale; Overall Rust; Some Pitting | 2,6 | 5.0 | 8,3 | 11,7 | 16,1 | 20,4 |
| Painted Surface; Heavy Rust; Pit- ted Surface | 1,6 | 3,1 | 5,0 | 7,2 | 9,7 | 12,3 |
| Multi-Coated or Heavily Pitted; Rust Scale | 1,3 | 2,4 | 4,0 | 5,6 | 7,7 | 9,8 |
| FINISH: Commercial NACE #3/ | | | SQUARE MET | ER PER HOUF | ₹ | |
| Loose Mill Scale; Light Rust; No Surface Pitting | 7,6 | 14,3 | 23,4 | 33,4 | 46,0 | 77,3 |
| Tight Mill Scale; Overall Rust; Some Pitting | 5,1 | 9,6 | 17,6 | 22,3 | 30,7 | 39,1 |
| Painted Surface; Heavy Rust; Pitted Surface | 3,8 | 7,2 | 11,8 | 16,7 | 22,9 | 29,5 |
| Multi-Coated or Heavily Pitted; Rust Scale | 2,5 | 4,7 | 7,9 | 11,1 | 15,3 | 19,5 |
| Performance results should be used a | s a guide or | nly. | | | | |

| | Effect of Nozzle Wear on Air Consumption | | | | | | | | | | |
|-------------|--|----------|-----------------|--------------------------------|--|--|--|--|--|--|--|
| Nozzle Size | Orifi | ice size | Air Flow in cfm | Increase in Air Consumption | | | | | | | |
| | inches | metric | | | | | | | | | |
| 4 | 1/4 | 6.5 mm | 81 cfm | | | | | | | | |
| 5 | 5/16 | 8.0 mm | 137 cfm | 96% more than No. 4 | | | | | | | |
| 6 | 3/8 | 9.5 mm | 196 cfm | 43% more than No. 5 | | | | | | | |
| 7 | 7/16 | 11.0 mm | 254 cfm | 29% more than No. 6 | | | | | | | |
| 8 | 1/2 | 12.5 mm | 338 cfm | 33% more than No. 7 | | | | | | | |

Information shown is based upon air consumption at 100 psi (7 bar/700kPa)

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Checking Compressed Air Quality

Prior to blasting and/or blowing off the work surface

Why compressed air quality is critical

One of the key aims of blast cleaning is to remove surface contaminants, corrosion, old paint etc. to ensure the performance of the coating system.

The compressed air must be clean, otherwise the blasting will introduce fresh contaminants as fast as the old contaminants are removed!

Contaminants to check in the compressed air

- dirt
- oil (mist or droplets)
- moisture (mist or droplets)

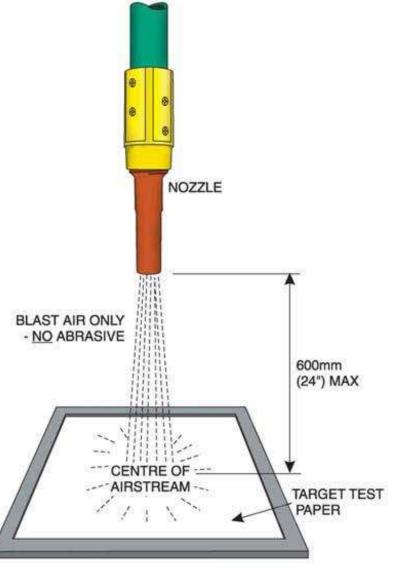
Each and all of these can cause coating failure!

Recommended check intervals

- Test before commencing blasting
- Every 4 hours when blasting continuously

Blotter paper method to check air quality

- 1. Start the compressor and set up the blast equipment
- 2. Secure the test paper apparatus
- 3. When the compressor is warmed up, start the blast equipment with NO abrasive in the airstream
- Position the nozzle so the test paper is in the centre of the airstream and within 24" (600mm) of the nozzle
- 5. Sustain the test for 2 minutes continuously
- After 2 minutes, stop the test and immediately check the test paper for any sign, feel or smell of oil, moisture or other contaminants.



DISCLAIMER: The above information and procedure does not nor shall not be taken as representing not intending to be an approved nor a complying nor a standard method nor procedure for testing compressed air quality. Airblast expressly disclaims any liability for the use or misuse of the above information and procedure.

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Paint Application Tables

Corrected volume solids (to the nearest 1%) after adding thinner to various initial volume solids coatings

Formula

Corrected Volume Solids (CVS) CVS = Original Vol. Solids x 100 (100 + % thinner added)

| | | | itres | (100 + % tilliller addet | | | | | | | |
|------------|--------|------|--------|--------------------------|-------|-------|-------|-------|--------|-----|-------|
| | % | 2.5% | 3.125% | 5% | 6.25% | 7.5% | 10% | 12.5% | 18.75% | 25% | 27.5% |
| | ml | 500 | 625 | 1000 | 1250 | 1500 | | | | | |
| | litres | | | 1 | 1.25 | 1.5 | 2 | 2.5 | 3.75 | 5 | 7.5 |
| <u>g</u> r | 100% | 98 | 97 | 96-95 | 94 | 93 | 91 | 89 | 84 | 80 | 73 |
| thinning | 95% | 93 | 93 | 91-90 | 90 | 89-88 | 87 | 85 | 81 | 77 | 70 |
| Ē | 90% | 88 | 87 | 86 | 84 | 84 | 82 | 80 | 76 | 72 | 66 |
| ore | 85% | 83 | 82 | 81 | 80 | 79 | 78 | 76 | 72 | 68 | 62 |
| befor | 80% | 78 | 78 | 77-76 | 75 | 74 | 73 | 71 | 68 | 64 | 58 |
| solids | 75% | 73 | 73 | 72 | 71 | 70 | 69-68 | 67 | 63 | 60 | 55 |
| sol | 70% | 68 | 68 | 67 | 66 | 65 | 64 | 62 | 59 | 56 | 51 |
| me | 65% | 64 | 63 | 62 | 61 | 60 | 60-59 | 58 | 55 | 52 | 47 |
| volum | 60% | 59 | 58 | 57 | 57 | 56-55 | 55 | 53 | 51 | 48 | 44 |
| | 55% | 54 | 53 | 53-52 | 52 | 51 | 50 | 49 | 46 | 44 | 40 |
| Initial | 50% | 49 | 48 | 48 | 47 | 46 | 46 | 45 | 42 | 40 | 36 |
| | 45% | 44 | 44 | 43 | 42 | 42 | 41 | 40 | 38 | 36 | 33 |
| | 40% | 39 | 39 | 38 | 38 | 37 | 37-36 | 36 | 34 | 32 | 29 |
| | 35% | 34 | 34 | 34 | 33 | 33 | 32 | 31 | 30 | 28 | 26 |
| | 30% | 29 | 29 | 29 | 28 | 28 | 27 | 27 | 25 | 24 | 22 |
| | 25% | 24 | 24 | 24 | 24 | 23 | 23 | 22 | 21 | 20 | 18 |

Formula

Application wet film thickness (in microns)* to achieve required DFT for various volume solids coatings

Applied Wet Film Thickness (WFT)

WFT = Dry Film Thickness (DFT) x 100

Corrected Volume Solids (CVS)

| | | | Volume Solids % | | | | | | | | Corre | cted Vol | ume Soli | ds (CVS) |
|-----------|-----|-----|-----------------|-----|-----|-----|-----|-----|-----|-----|-------|----------|----------|----------|
| | | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 |
| | 25 | 71 | 63 | 56 | 50 | 46 | 42 | 39 | 36 | 33 | 31 | 29 | 28 | 26 |
| | 50 | 143 | 125 | 111 | 100 | 91 | 83 | 77 | 71 | 67 | 63 | 59 | 56 | 53 |
| | 75 | 214 | 188 | 167 | 150 | 136 | 125 | 115 | 107 | 100 | 94 | 88 | 83 | 79 |
| ns) | 100 | 286 | 250 | 222 | 200 | 182 | 167 | 154 | 143 | 133 | 125 | 118 | 111 | 105 |
| (microns) | 125 | 357 | 313 | 278 | 250 | 227 | 208 | 192 | 179 | 167 | 156 | 147 | 139 | 132 |
| m) | 150 | 429 | 375 | 333 | 300 | 273 | 250 | 231 | 214 | 200 | 188 | 176 | 167 | 158 |
| DFT | 175 | 500 | 438 | 389 | 350 | 318 | 292 | 269 | 250 | 233 | 219 | 206 | 194 | 184 |
| | 200 | 571 | 500 | 444 | 400 | 364 | 333 | 308 | 286 | 267 | 250 | 235 | 222 | 211 |
| Required | 250 | 714 | 625 | 556 | 500 | 455 | 417 | 385 | 357 | 333 | 313 | 294 | 278 | 263 |
| Re | 300 | 857 | 750 | 667 | 600 | 546 | 500 | 462 | 429 | 400 | 375 | 353 | 333 | 316 |

 $[\]ensuremath{^{*}}$ theoretically calculated figures are NOT applicable for zinc coatings

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Paint Application Information

Formula

Spreading rate (in m2/litre)* achieving required DFT for various solids coatings

Theoretical Spreading Rate (SR) SR = Corrected Volume Solids (CVS) x 10

| | | | | Volume Solids % | | | | | | | | | Dry | / Film 1 | Γhickne | ess (DF | T) | |
|-----------|-----|------|------|-----------------|------|------|------|------|------|------|------|------|------|----------|---------|---------|------|------|
| | | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
| (sı | 20 | 10.0 | 12.5 | 15.0 | 17.5 | 20.0 | 22.5 | 25.0 | 27.5 | 30.0 | 32.5 | 35.0 | 37.5 | 40.0 | 42.5 | 45.0 | 47.5 | 50.0 |
| ror | 25 | 8.0 | 10.0 | 12.0 | 14.0 | 16.0 | 18.0 | 20.0 | 22.0 | 24.0 | 26.0 | 28.0 | 30.0 | 32.0 | 34.0 | 36.0 | 38.0 | 40.0 |
| (microns) | 30 | 6.7 | 8.3 | 10.0 | 11.7 | 13.3 | 15.0 | 16.7 | 18.3 | 20.0 | 21.7 | 23.3 | 25.0 | 26.7 | 28.3 | 30.0 | 31.7 | 33.3 |
| | 50 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |
| Thickness | 75 | 2.7 | 3.3 | 4.0 | 4.7 | 5.3 | 6.0 | 6.7 | 7.3 | 8.0 | 8.7 | 9.3 | 10.0 | 10.7 | 11.3 | 12.0 | 12.7 | 13.3 |
| ick | 100 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 |
| | 125 | 1.6 | 2.0 | 2.4 | 2.8 | 3.2 | 3.6 | 4.0 | 4.4 | 4.8 | 5.2 | 5.6 | 6.0 | 6.4 | 6.8 | 7.2 | 7.6 | 8.0 |
| E IE | 150 | 1.3 | 1.7 | 2.0 | 2.3 | 2.7 | 3.0 | 3.3 | 3.7 | 4.0 | 4.3 | 4.7 | 5.0 | 5.3 | 5.7 | 6.0 | 6.3 | 6.7 |
| Dry | 175 | 1.1 | 1.4 | 1.7 | 2.0 | 2.3 | 2.6 | 2.9 | 3.1 | 3.4 | 3.7 | 4.0 | 4.3 | 4.6 | 4.9 | 5.1 | 5.4 | 5.7 |
| | 200 | 1.0 | 1.3 | 1.5 | 1.8 | 2.0 | 2.3 | 2.5 | 2.8 | 3.0 | 3.3 | 3.5 | 3.8 | 4.0 | 4.3 | 4.5 | 4.8 | 5.0 |
| | 250 | 0.8 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.6 | 3.8 | 4.0 |
| | 300 | 0.7 | 0.8 | 1.0 | 1.2 | 1.3 | 1.5 | 1.7 | 1.8 | 2.0 | 2.2 | 2.3 | 2.5 | 2.7 | 2.8 | 3.0 | 3.2 | 3.3 |
| | 400 | 0.5 | 0.6 | 0.8 | 0.9 | 1.0 | 1.1 | 1.3 | 1.4 | 1.5 | 1.6 | 1.8 | 1.9 | 2.0 | 2.1 | 2.3 | 2.4 | 2.5 |
| | 500 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |

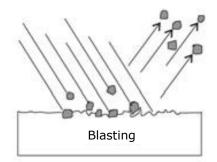
 $[\]ensuremath{^*}$ theoretically calculated figures may vary from practical spreading rates by as much as 50% or more.

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Surface Profile

Understanding surface profile



Unblasted "smooth" surface

Blasted "profiled"surface

In the blast cleaning process, grains of abrasive are propelled with great force and energy at the work surface. Upon impact, the grains 'dig' into and then rebound out and off the surface leaving a rugged, miniature 'mountain – and – valley' finish.

This surface roughness/etch/texture is the surface profile.

Surface profile is critical to coating performance by

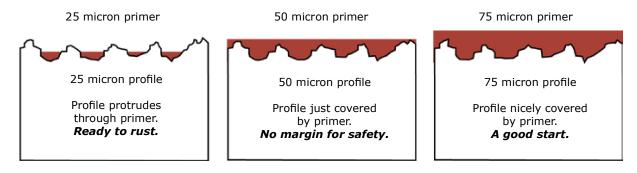
- 1) increasing the surface area
- 2) providing a 'key/tooth/anchor pattern' for the coating to lock and adhere to

The difference between surface profile and class of blast

Surface profile is concerned with the 'shape' of the surface finish (and measuring the size of the 'shape' created) whereas Class of Blast is concerned with 'cleanliness' of the surface finish. (Putting it another way – Class of Blast is determining to what degree the rust, paint and other contaminants have been removed). Both the Profile and the Class of Blast are important features of the surface finish and need to be separately specified in preparing a blast cleaned steel surface.

The pitfalls of surface profile

Excess Profile – While an absence of profile can be detrimental to coating adhesion, it can be equally disastrous to have an excessive profile height causing premature rusting and coating failure. In addition more profile means using more paint to cover the surface! Consider these cases...



Rule of Thumb #1: Profile height should not exceed the primer coat DFT.

Rule of Thumb #2: Profile height should not exceed 1/3 the total coating system DFT.

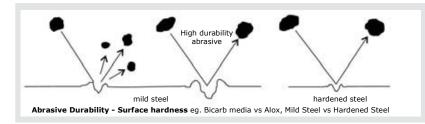
Embedment – Embedment of abrasive particles in the surface is a threat posed by friable, irregular shape abrasives. The embedded particle or fragment can stand out as a 'rogue' peak above the surrounding profile and protrude through the applied coating.

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Surface Profile

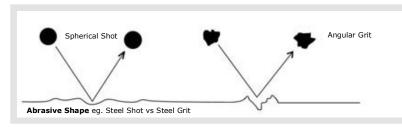
Factors which have an effect on surface profile



| Variable | Effect |
|-----------------------|-------------------|
| More durable abrasive | |
| Hardened steel = | shallower profile |

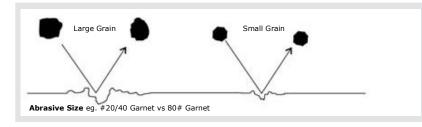
deeper profile

Mild steel



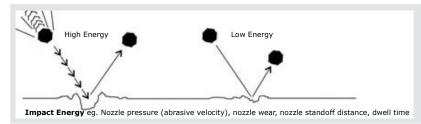
Round abrasive = dimpled, peened profile

Angular abrasive = sharper, rugged profile



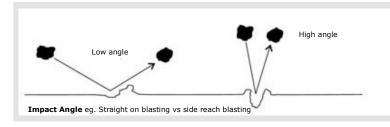
Larger abrasive = deeper profile

Smaller abrasive= shallower profile



Greater energy = deeper profile

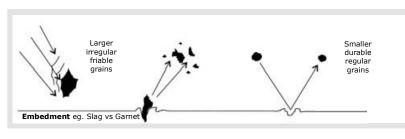
Lesser energy = shallower profile



Low angle = more scuffed profile

High angle = more peak 'n'

valley even profile



Large friable irregular grains =

egular grains = higher risk of embedment

Smaller durable regular grains =

lower risk of embedment

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Surface Cleanliness Factors

Subtle contaminants - causes, tests and prevention

In addition to the obvious gross surface contaminants such as rust and old coatings, there are some subtle but serious contaminants which can cause major coating failure.

Salt (specifically chloride ions)

possible causes

New steel

- · contaminated abrasive
- contaminated water (rinsing or pressure washing)

Existing steel

both of the above, plus environmental industrial exposure, e.g. marine location or industrial process.

tests

many methods are available – including ChlorTest kits, Bresle patches, SCAT kits, conductivity meters – refer work

specification and relevant AS/ISO standards.

prevention

- use a traceable quality, low salt abrasive, e.g. GMA Garnet
- · test abrasive for chloride content
- test cleaning water for chloride content
- pretest existing structures for chloride presence prior to blasting
- rinse with clean water and/or a soluble salts remover e.g. Chlor-rid.

Dust/Debris

possible causes

- poor quality abrasive causing excessive dust and debris, e.g. crushed glass
- · failure to blowoff surface completely after blasting

tests

- Clean Rag Wipe Test, Pressure Sensitive Tape Method
- refer work specifications and relevant AS/ISO standard.

prevention

- use a low dust abrasive, e.g. GMA Garnet
- blowoff all surfaces after blasting.

Oil/Grease (thin film)

possible causes

New steel – mill or warehousing or fabrication

treatments

contaminated compressed air

Existing steel – the above, plus environmental

exposure

tests

Water Break Test, UV Illumination Test – refer work specifications and appropriate AS/ISO standards.

prevention

- test and maintain compressed air quality
- pretest and/or preclean work prior to blasting by degreasing and/or rinsing.

DISCLAIMER: The above information is a guide only. It in no way purports nor represents to cover all factors, causes, tests or prevention of contaminants. Airblast expressly disclaims any liability for the use or misuse of the above information.



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Climatic Conditions for Safe Painting

It is critical to the success of most coating systems, that the surface is completely free of moisture prior to and during paint application and curing.

Dewpoint

Condensation of water (dew) from the atmosphere on to the surface will occur, given the right conditions. For a given set of conditions, the temperature at which condensation will occur is called the Dewpoint. As long as the surface temperature is 3°C (or more) above the Dewpoint temperature, it is generally considered safe to paint as far as risk of condensation is concerned.

ATMOSPHERIC CONDITIONS FOR PAINT APPLICATION 16 14 DO NOT PAINT ZONE (ABOVE GUIDE LINE) For painting guide line, air temperature minus steel temperature 12 10 DIFFERENCE IN TEMPERATURE (°C) 8 4 OK TO PAINT ZONE (BELOW GUIDE LINE) 2 0 -2 20 30 40 70 80 90 **RELATIVE HUMIDITY (%)**

Instructions for use

1. M<u>easure</u>

- air temperature
- surface temperature
- relative humidity

use the same instrument for reading the air and surface temperature, and with an accuracy of $\pm 0.5^{\circ}$ C

2. Calculate

the temperature difference ie air temperature minus surface temperature

3. Plot and intersect on the chart

the temperature difference and the relative humidity

If the intersection point is BELOW the guide line

- indicates conditions are safe to paint
- ABOVE the guide line
- indicates UNSAFE conditions for painting

DISCLAIMER: The above information and chart do not represent or intend to be the approved nor standard method nor procedure for ensuring suitable climatic conditions for painting. Airblast expressly disclaims any liability for the use or misuse of this information and/or procedures.

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Abrasives

| | Abrasive Characteristic Comparison | | | | | | | | | | | |
|------------------------------|------------------------------------|--------|--------------------|--------------|-----------|----------------|------------------|-----------------|----------|--|--|--|
| Material | Mesh Size | Shape | Density lbs/ft³ | Mohs | Fiability | Initial Cos | No. of Cycles | Per Use Cost | Source | Typical Applications | | |
| Sil. Sand | 6-270 | • | 100 | 5.0-6.0 | high | low | 1 | med. | nat. | Outdoor blast cleaning | | |
| Min. Slag | 8-80 | • | 85-112 | 7.0-7.5 | high | med. | 1-2 | med. | b-p | Outdoor blast cleaning | | |
| Steel Grit | 10-325 | • | 230 | 8.0 | low | high | 200+ | med. | mfg. | Removing heavy scale | | |
| Steel Shot | 8-200 | | 280 | 8.0 | | high | 200+ | low | mfg. | Cleaning, peening | | |
| Al. Oxide | 12-325 | • | 125 | 8.0- 9.0+ | med. | high | 6-8 | med. | mfg. | Cleaning, finishing, deburring, etching | | |
| Glass bead | 10-400 | • | 85-90 | 5.5 | med. | med. | 8-10 | low | mfg. | Cleaning, finishing | | |
| Plastic | 12-80 | • | 45-60 | 3.0-4.0 | low/med. | high | 8-10 | med. | mfg. | Paint stripping, deflashing, cleaning | | |
| Wheat Starch | 12-80 | • | 45 | 3.0 | med. | med. | 12-15 | high | mfg. | Paint, adhesive removal, composites | | |
| XL-Corn Hybrid Polymer | 16-60 | • | 45 | 3.0 | low | high | 14-17 | med. | mfg. | Composite paint removal adhesive deflash | | |
| Corn cob | 8-40 | • | 35-45 | 2.0-4.5 | med. | low | 4-5 | low | b-p | Removing paint from delicate surfaces | | |
| | ● =A | ngular | =Spheri | cal nat. | = Natural | b-p = B | y-produc | t mfg. = | manufact | ured | | |

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Conversion Factors

| IMPERIAL TO | O METRIC | METRIC TO IMPERIAL | | | | | | |
|-----------------------------------|--------------------------|-----------------------------------|-------------------------|--|--|--|--|--|
| Length | | Length | | | | | | |
| thousandth of inch (thou or mil) | x 25.4 = μm | microns (µm) | x 0.03937 = thou or mil | | | | | |
| inches (in) | x 25.4 = mm | millimetres (mm) | x 0.03937 = in | | | | | |
| feet (ft) | x 0.3048 = m | metres (m) | x 3.28083 = ft | | | | | |
| Area | | Area | | | | | | |
| square inches (in2) | x 645.16 = mm2 | square millimetres (mm2) | x 0.00155 = in2 | | | | | |
| square feet (ft2) | x 0.0929 = m2 | square metres (m2) | x 10.7639 = ft2 | | | | | |
| Volume | | Volume | | | | | | |
| cubic inches (cu in) | x 16.38716 = cm3 or mL | cubic centimetres (cm3) | x 0.061023 = cu in | | | | | |
| cubic feet (cu ft) | x 0.028317 = m3 | cubic metres (m3) | x 35.3145 = cu ft | | | | | |
| cubic feet (cu ft) | x 28.31701 = L | litres (L) | x 0.035315 = cu ft | | | | | |
| US gallons (gal) | x 3.7854 = L | litres (L) | x 0.26417 = US gal | | | | | |
| quart (qt) | x 0.9464 = L | litres (L) | x 1.05668 = qt | | | | | |
| fluid ounces (fl oz) | x 29.57 = mL | millilitres (mL) | x 0.03381 = fl oz | | | | | |
| Speed - Velocity | | Speed - Velocity | | | | | | |
| feet per minute (ft/min) feet per | x 0.00508 = m/s | metres per second (m/s) | x 196.85 = ft/min | | | | | |
| second (ft/s) | x 0.03048 = m/s | metres per second (m/s) | x 3.28083 = ft/s | | | | | |
| Flow Rate | | Flow Rate | | | | | | |
| cubic feet per minute (CFM) | x 0.47195 = L/s | litres per second (L/s) | x 2.11887 = CFM | | | | | |
| cubic feet per minute (CFM) cubic | x 0.028317 = m3/min | cubic metres per minute (m3/min) | x 35.3145 = CFM | | | | | |
| feet per minute (CFM) | x 1.69902 = m3/hr | cubic metres per hour (m3/hr) | x 0.58857 = CFM | | | | | |
| US gallons per minute (gpm) | x 3.7854 = L/min | litres per minute (L/min) | x 0.26417 = US gpm | | | | | |
| Weight - Mass | | Weight - Mass | | | | | | |
| pounds (lb) | x 0.4536 = kg | kilograms (kg) | x 2.2046 = lb | | | | | |
| Bulk - Density | | Bulk - Density | | | | | | |
| pounds per cubic foot (lb/cuft) | x 16.0185 = kg/m3 | kilograms per cubic metre (kg/m3) | x 0.062428 = lb/cuft | | | | | |
| pounds per cubic foot (lb/cuft) | x 0.016019 = kg/L | kilograms per litre (kg/L) | x 62.4277 = lb/cuft | | | | | |
| Pressure | | Pressure | | | | | | |
| pounds per square inch (psi) | x 6.8947 = kPa | kilopascals (kPa) | x 0.145 = psi | | | | | |
| pounds per square inch (psi) | x 0.0068947 = MPa | Megapascals (MPa) | x 145.04 = psi | | | | | |
| pounds per square inch (psi) | x 0.068947 = bar | bar (bar) | x 14.504 = psi | | | | | |
| Vacuum | | Vacuum | | | | | | |
| inches of mercury (in. Hg) | x 3.38638 = -kPa | kilopascals vacuum (-kPa) | x 0.2953 = in. Hg | | | | | |
| inches of mercury (in. Hg) | x 13.596 = in. H2O | inches of water (in. H2O) | x 0.07355 = In. Hg | | | | | |
| Power | | Power | _ | | | | | |
| horsepower (hp) | x 0.7457 = kW | kilowatts (kW) | x 1.341 = hp | | | | | |
| Temperature | | Temperature | | | | | | |
| degrees Fahrenheit (°F) | - 32, then x 0.5555 = °C | degrees Celsius (°C) | x 1.8, then +32 = °F | | | | | |

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