



ABDI-1000

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 dust filter installation is constructed behind the working space and provided with a separator beforehand. The back- and sidewall and the door of the working area is completely covered with 3mm rubber. The installation is constructed of 3mm steelplate and finished with a coating layer in the colour grey.

The system is ready to operate and comes complete with:

- revolving door (positioned at the rightside of the cabine) 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 control panel with main switch, control safety switches for exhauster and lighting.
- 1 nozzle holder with 8 mm Borium Carbide 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.

Dimensions			
	Cabinet	Working area	Door
Height	2400 mm	1000 mm	850 mm
Width	1000 mm	1000 mm	700 mm
Depth	1700 mm	1000 mm	

Cartridge dustfilter Type PF 2 (build-in type with exhauster on the roof)

Technical specification

Exhaust capacity	: 600 m ³ /h
Motor output	: 0,75kW
Electric motor	: 230/400 V, 3 Phase, 50 Hz
Filter cartridges	: 2 pieces
Filter area	: 18 m ²
Filter material	: Polyester fabric
Filter percentage	: 99,9 %
Max. dust emission	: > 3 mg/nm ³
Dust collecting bags	: 1 piece
Cleaning	: continuous by compr. air → max. 5 bar
Pulse time	: adjustable

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.