

AB-61

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-61 is equipped with a continuous circulation system for the abrasives and a built in high efficiency filter system.

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 exhaustor motor.
- 1 adjustable air pressure reducing valve with manometers.
- 1 rubber protection inside backwall.
- 1 door safety switch with magnetic valve.

Dimensions			
	Cabinet	Working area	Door
Height	2400 mm	1000 mm	850 mm
Width	1300 mm	1280 mm	700 mm
Depth	1700 mm	1000 mm	

Technical specification

Exhaust capacity	: 600 m ³ /h
Motor output	: 0,37kW
Electric motor	: 230/400 V, 3 Phase, 50 Hz
Filter bags	: 6 pieces
Filter area	: 2,4 m ²
Filter percentage	: 99,9 %
Max. dust emission	: 1 mg/nm ³
Dust collecting bags	: 2 pieces
Cleaning	: manual shaking device
Weight	: 332 kgs.
Nozzle	: 8 mm boron carbide
Air consumption	: 680 l/min. at 5 bar

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.