

ABD-1500

Pressure Blast Cabinet



The Airblast Pressure Blast Cabinets are designed for manual or automatic blasting 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 to the compressed air system. The shotblasting vessel is constructed directly under the working area 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 cartridge 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 color 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.

Delivery includes:

- swing doors (positioned at the left- and right side of the cabinet) 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 70 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.

Dimensions			
	Cabinet	Working area	Door
Height	2800 mm	1250 mm	1000 mm
Width	1500 mm	1480 mm	1280 mm
Depth	2050 mm	1350 mm	