DS1250
Pressure Blast Cabinet

The Sybrandy 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.
The back-wall of the shotblasting space 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 Sybrandy pressure blast 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

Height : 2.780 mm
Width : 1.250 mm
Depth : 1.810 mm

Working area

Height : 1.250 mm
Width : 1.230 mm
Depth : 1.250 mm

Door

Height : 900 mm
Width : 900 mm

Specifications shotblasting cabine:

- 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 6 mm Boron Carbide Nozzle
- blasthose 1”
- 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:

Dust particles enters through the inlet plenum of the collector, where heavy particles fall into the collecting bag which is placed under the shotblasting funnel. As the air flows through the filter cartridges, dust is de-posited 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 pulse 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 shotblasting funnel. As each pair of filter cartridges are cleaned in succession, the remaining stay in operation.

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