# DS1000
Pressure Blast Cabinet

This pressure 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 blast cabinet operates with a compressed air system. The shotblasting vessel is constructed at the shotblasting funnel directly under the shotblasting space and provided with wear resistant parts which require minimum maintenance.

The dust filter installation is constructed behind the working space and features a seperator.

The installation is constructed of 3 mm steelplate and finished with a coating layer in the colour grey. The blasting space is completely covered with 3 mm rubber.

Dimensions

Height : 2.400 mm
Width : 1.020 mm
Depth : 1.700 mm

Working area

Height : 1.000 mm
Width : 1.000 mm
Depth : 1.000 mm

Door

Height : 850 mm
Width : 700 mm

**Specifications shotblasting cabine:**
- revolving door (positioned at the front-side 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 controlpanel with main switch, control safety switches for exhauster and lighting
- 1 nozzle holder with 6 mm Boron Carbide Nozzle
- blasthose 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 28 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 filtercartridges, dust is de-posited 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 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 filtercartridges. Dust removed from the filtersurface settles into the shotblasting funnel. As each pair of filtercartridges is cleaned in succession, the remaining stay in operation.

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