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Commercial Information
The Art of Powerful Cleaning...

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Title: Airblast Pressure Blast Cabinet ABD-1000

The Airblast cabinets are the setting standard for the optimum performance and operation in modern blast cabinets. The rigged construction and only the finest parts guarantee a perfect working cabinet and gives you this benefit for many years. The Airblast ABD-1000 is working with a pressure blast system and a 6 mm boron carbide venture nozzle.



This installation is primarily suitable for heavy shotblasting operations for example:

- cast and construction operations
- the removing of mill scale, rust, coating layers
- to dull non ferrous metals

With high quality accessories the cabinets can be adjusted to your needs with the following:

- turn tables, hand or electrically operated
- roller systems for loading and un-loading heavy products
- abrasive tumbling systems
- easy adjustable for other dimensions

The execution is according the compressed air system. The shotblasting vessel is constructed at the shotblasting funnel directly under the shotblasting space and provided with wear resistant parts which need little maintenance.

Dimensions:

Height : 2.400 mm
Width : 1.020 mm
Depth : 1.540 mm

Working area:

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

Door:

Height : 850 mm
Width : 650 mm

The dust filter installation is constructed behind the working space and provided with a separator beforehand. The back-wall of the shotblasting space and side door are completely covered with 3 mm rubber.

The installation is constructed of 3 mm steelplate and finished with a coating layer in the colour grey.

Specifications shotblasting cabine:

- swing door (positioned at the rightside of the cabinet) with safety controller
- lighting 4x18 Watt
- perforated working area
- window exchangeable
- window securit
- 2 flexible rubber openings
- build-in control panel with main switch, control switches for exhauster and lighting
- 1 nozzle holder with 6 mm boron carbide nozzle
- antistatic blasthose 1"
- inlet for blasthose
- reducing valve (0 - 10 bar) with manometer
- pneumatic footpedal to operate the blastvessel
- 1 pair rubber gloves

AUTOMATIC BLASTVESSELDimensions:

Diameter	:	Ø 350	mm
Capacity approx.	:	28	litres
Max. Pressure	:	6	bar

Construction:

The blastvessel is made from 5 mm steelplate and is provide with a automatic closing dual stage popup valve, handarmcover and grit hopper with sieve.

Further complete with a combined air inlet, quick exhaust-valve, remote control with deadman handle and abrasive metering valve (Thompson valve).

Dustfilter Type PF 2, build-in type with exhauster on the roof

Technical specification:

Exhaust capacity	:	1.400	m ³ /h
Motor output	:	0,75	kW
Electric motor	:	230/400	Volt - 50 Hz
Filter cartridges	:	2	pieces - Ø 325 x 600 mm
Filter area	:	20	m ²
Filter material	:		Polyester fabric
Filter percentage	:	99,9	%
Max. dust emission	:	> 3	mg/nm ³
Collecting bags	:	1	pieces
Cleaning	:		continuous by compr. air → max. 5 bar
Pulse time	:		adjustable
Noise level	:	74	dB(A)

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 deposited 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 is cleaned in succession, the remaining stay in operation.