

The D-filters is a bag filter designed for filtration of dust laden air with dry dust. The filter is available with two different filter bag lengths and two different cartridges lengths. The bags and alternative the cartridge are cleaned by pulse-jet compressed air cleaning system.

CONSTRUCTION

The filter consists of three sections. The top section is the clean air section. The Centre section is the filter section. The lower section is the hopper and material discharge section. The bag housing is made from 2 mm, Z275 galvanizes steel sheet. The bag-house is also available in 2 mm black steel sheet in fully power coated steel sheet, standard color RAL 5010.

FUNCTION

The dust laden air enters the centered, bag and cartridge protective, inlet module in the filter section, which ensure a pre-separation larger and coarse particle from the air stream. Fine particles will enter the filter section where they be filtered by the bags or the cartridges. Fine particles are cleaned off the filter bags or the cartridges with the jet-pulse cleaning, control by a pressure guard or a timer. Material is discharge from the hopper direct into a waste bin or through a rotary valve, connected to the discharge under the hopper. The cleaned air exits through an outlet in the top section, clean air section.

CLEANING SYSTEM

Pulse jet-system including air tank and purge valves.
Pressure regulation.
Water separator.
Control for cleaning.

DISCHARGE

One Ø 300 mm waste bin (50 liter) quick lock connected to sliding damper to ensure emptying the bin under operation. Or as an optional supply, a BRV rotary valve.

INLET AND OUTLET

Inlet and outlet is round or rectangular according to customers requirement. The inlet and outlet are optional supply.

ACCESS AND SERVICE

The filter has service excess in the top section, clean air section. The three bolted excess doors, in the roof panels, ensure an easy service and replacement of filter bags or cartridges, from the clean air section.

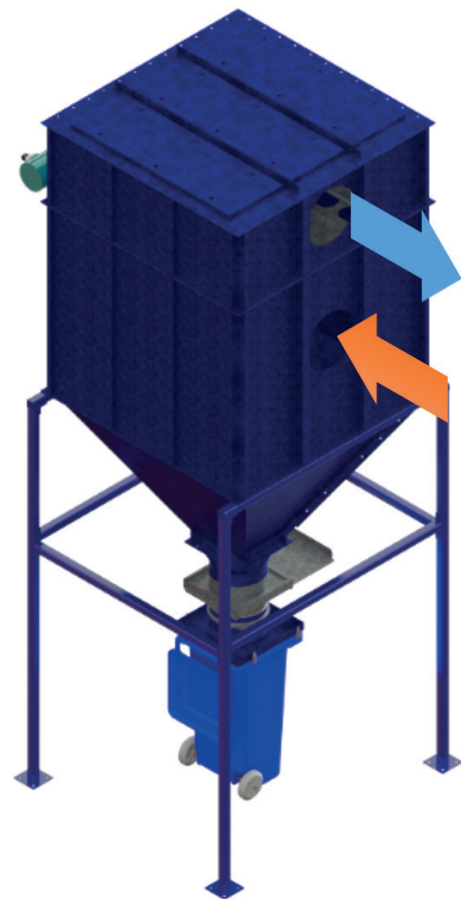
SAFETY DEVICES

Optional certified explosion membranes are available type EDP, max vacuum pressure 5,000 Pa. There is also an option for dry sprinkler in the top section (clean air section). The sprinkler installation in galvanized steel pipe with stainless open sprinkler heads.

FILTER BAGS AND CARTRIDGES

Filter bags ø 155 mm on Cage, 450 g polyester antistatic. Lengths 1,500 and 2,000 mm.

Cartridges: ø 132 mm 240 g polyester, 76 pleats with deep of 17 mm. Lengths 1,500 and 2,000 mm



D FILTERS

OPERATING RANGE

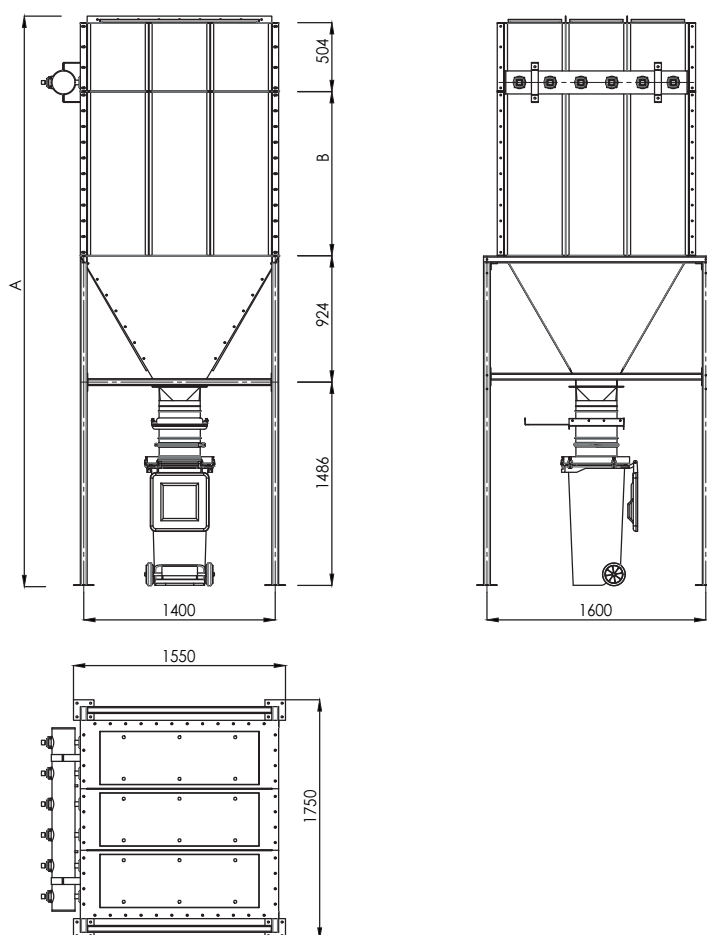
Pressure: + 1,500 - ÷ 4,500 pa.
 Filter area with filter bags: 22-30 m².
 Filter areas with cartridges: 103,5- 138 m².
 Operating temperature: - 30 to + 65° C.

COMPRESSED AIR

Connection 12 Nm³/h at min 6 bar.
 External connection 1/2".
 Consumption: 2-3 m³/h at 6 bar.

ELECTRICAL DEVICES

Purge valves: 24 VDC.
 Control for cleaning:
 Standard supply voltage: 220 VAC / 115 VAC.
 Output voltage: 24 VAC/ 24 VDC.
 Protection degree: IP 65.
 No. of outputs: 16.



MODEL	FILTER BAG LENGTH (MM)	NO. OF FILTER BAG/CART.	FILTER AREA (M ²)	A (MM)	B (MM)	NO. INLET MODULE	FILTER WEIGHT (KG)	NOMINAL CAPACITY M ³ /H
D0B	1,500	30	22,0	4,162	1,800	1	1,280	3,800
D1B	2,000	30	30,0	4,562	2,200	1	1,325	5,000
D0C	1,500	30	103,5	4,162	1,800	1	1,320	7,500
D1C	2,000	30	138,0	4,562	2,200	1	1,360	10,000

We reserve the right to make changes without notice