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Commercial Information
The Art of Powerful Cleaning...

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Title: Airblast Cartridge Dust Filter Type AB 20 S

Dimensions

Total length : 3.825 mm
Width : 2.430 mm
Height : 2.460 mm

Technical specification

Exhaust capacity : 20.000 m³/h
Total pressure : 4.500 Pa
Electric motor : 37 kW, 400/690 V, 3 Phase, 50 Hz
Filter cartridges : 20 pieces
Filter area : 312 m²
Filter material : polyester fabric Type PE - 806
Filter percentage : 99,9 %
Max. dust emission : < 3 mg/nm³
Collecting bags : 4 pieces
Connection : Ø 500 mm or 2 x Ø 300 mm
Cleaning : continuous by compressed air max. 5 bar
Nr. of solenoid valves : 10 (1" G)
Pulsation pressure : ± 4 bar
Cycle time : adjustable
Sequence : 2 cartridges simultaneous
Inspection hatch : 1 piece
Weight : ± 4.500 Kg

Operating principle

Dust laden air enters through the inlet plenum of the collector, where heavy particles fall immediately into the hopper. 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 cycle-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 hopper. As each pair of filter cartridges is cleaned in succession, the remaining stay in operation. Extremely high dust loading is handled easily.

Further complete with electrical panel with automatic switch controllers, main switch, signalling lamps and control buttons for 1 ventilator and control unit for cartridge cleaning valves.

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