

The A0 filter series is a bag filter designed for filtration of dust laden air, with dry dust. The filter is available with six different filter bag lengths. The filter bags are cleaned by pulse-jet compressed air cleaning system..

### CONSTRUCTION

The filter consists of three sections. The top section is the clean air section and the section for the cleaning system. The center section is the filter section where the filter bags are mounted on wire cages. The lower section is the hopper section with a screw conveyor for material discharge. The filter is a panel construction in 2 - 3 mm steel plate galvanized Z 275 or fully powder coated in RAL 5010.

### FUNCTION

The dust laden air enters an inlet module, which ensures pre-separation of larger and coarser particles from the air stream entering the filter. The fine particles will enter the filter section and partly stick to the filter bags. The fine particles on the filter bags will be cleaned down into the filter hopper by the cleaning system. The material (dust) from the filter is discharged from the hopper by a screw conveyor through rotary valve into bins or a transport system.

### CLEANING SYSTEM

Pulse-jet cleaning system. Pressure regulator and water separator included.

### DISCHARGE (SCREW AUGER)

Ø 250 mm screw in auger made in black or stainless steel. Shaft equipped with rotation sensor as safety.

### DISCHARGE (BINS)

Four 70 liter bins with lid. Including dampers for emptying bins during operation.

### INLET AND OUTLET

Inlet (s) and outlet (s) are as standard connections with round flanges. Transitions to square or rectangular optional.

### ACCESS

Bag housing is equipped with door for access to clean air section. Filter version with screw conveyor is delivered with door access to hopper section as well.

### FILTER BAGS

The filter bags are standard 450 g/m<sup>2</sup> polyester antistatic, Ø 155 mm.

### 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 with screw auger.



Filter with bins.

## OPERATING RANGE

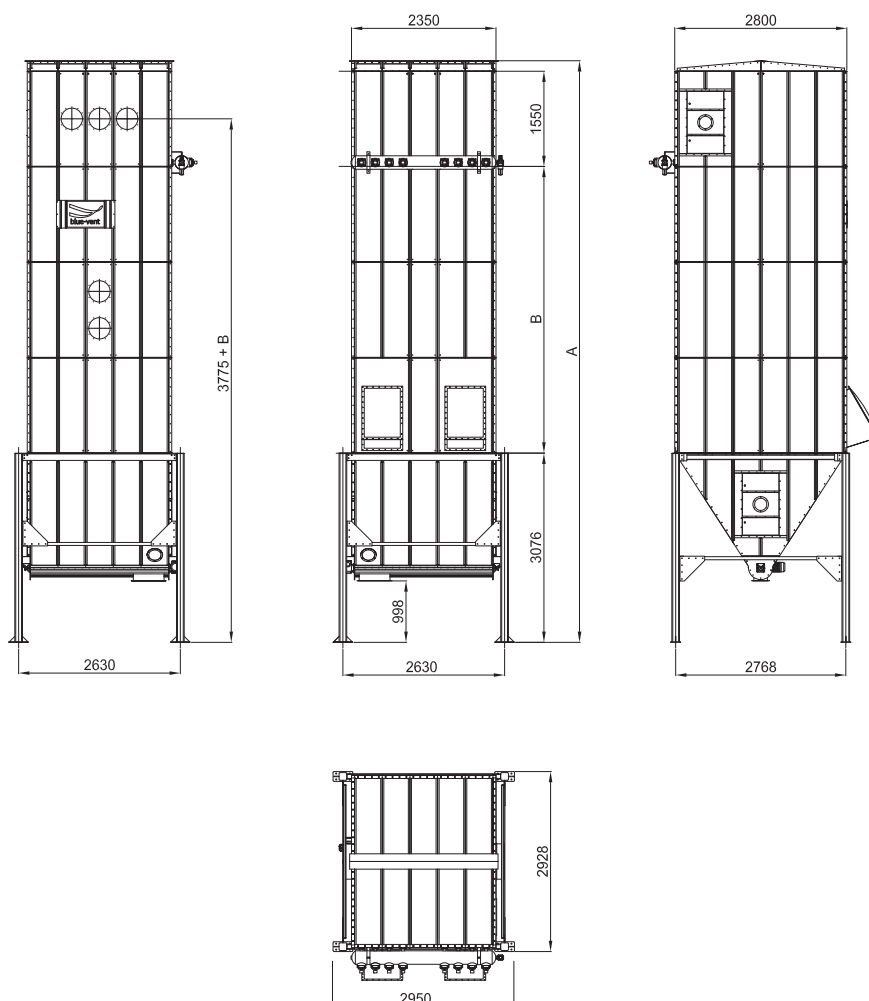
Pressure: + 1,500 Pa - ÷ 4,500 Pa  
 Filter area: 101 - 209 m<sup>2</sup>  
 Operating temperature: ÷30 to +65°C

## COMPRESSED AIR

Connection: 8 Nm<sup>3</sup>/h at min. 6 bar.  
 External connection 1/2"  
 Consumption: 1-2 m<sup>3</sup>/h at 6 bar.

## ELECTRICAL DEVICES

Screw conveyor:  
 Gear motor 1,1 KW, 400 V, 50 HZ, 14 rpm  
 Proximity sensors: 24 VDC  
 Purge valves: 24VDC  
 Door limit switches: 24VDC



MODEL	FILTER BAG LENGTH (MM)	NO. OF FILTER BAGS	FILTER AREA (M <sup>2</sup> )	A (MM)	B (MM)	NO. INLETS/OUTLETS	FILTER WEIGHT (KG)	NOMINAL CAPACITY M <sup>3</sup> /H
AOEES	2,200	96	101	6,920	2,200	1	2,650	18,500
AOXXS	2,800	96	129	7,520	2,800	1	3,040	23,800
AOXS	3,100	96	139	7,820	3,100	1	3,300	25,500
AOX	3,600	96	162	8,470	3,750	1	3,790	30,000
AOS	4,100	96	186	8,920	4,200	1	4,360	34,000
A0	4,600	96	209	9,370	4,650	1	4,500	38,000

We reserve the right to make changes without notice