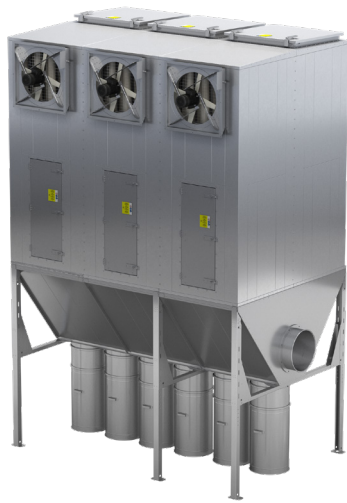


LBR-B SmartFilter with dust bins

The filter is designed for small air flows with limited material content.



The LBR-B filter is used for cleaning of smaller amounts of waste-laden extracted air particularly in the wood and paper industries.

The extracted material is separated in the filter hopper and collected in metal bins.

The LBR-B filter is suitable for explosive dusts type St1 and St2.

Specification

Parameters	Description
Temperature	Max. 167°F (75°C)
Positive pressure	Max. 3.2 in H ₂ O (800 Pa)
Negative pressure	Max. 2 in H ₂ O (500 Pa) for Standard (overpressure) Option 20.1 in H ₂ O (5000 Pa) only for Vacuum version
Reduced pressure in vessel	$P_{red} < 0,2 \text{ bar (20 kPa)}$
Power supply:	208-230/460 or 575 V (230/400 V) Regeneration fan – 3 HP (2,2 kW) option - 1.5 HP (1,1 kW)
Filter element	Superbag 2000 XT15 with ø200 mm collar
Max. quantity of modules	4 modules
Filter area per module	HJ: 915 ft ² (85 m ²)
Max. filtration area	HJ: 3,659 ft ² (340 m ²)
Door switch	At the inspection doors in the filter hopper. At one filter module door per each 5 modules At each inlet module door.

Description

The LBR-B is a modular filter made of galvanized steel. \ Size of base module: 47.25x47.25 in (1200 x 1200 mm).

The filter is self-supporting; it has telescopic supporting legs and is suitable for outdoor locations. Each filter module is fitted with a combined inspection and explosion relief door.

Side venting is standard. (Option – top venting or venting type UP).

The filter is available in type J – two modules wide 94.5 in (2400 mm).

Inlet of air in hopper or via inlet module.

A regeneration fan can be mounted for reverse air cleaning of the filter bags according to a pre-set sequence. Positioning of the regeneration fans optional on the roof or on the side.

Superbag 2000 XT15 antistatic polyester filter bags are standard (50 per module).

Filter marking for dust type St1, non-zone classified areas:

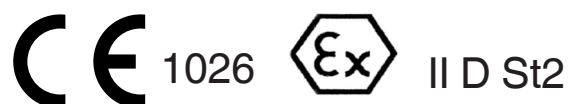
Product Marking of LBR-B SmartFilter:

The marking is based on product certificate Baseefa 06 ATEX 0068X.

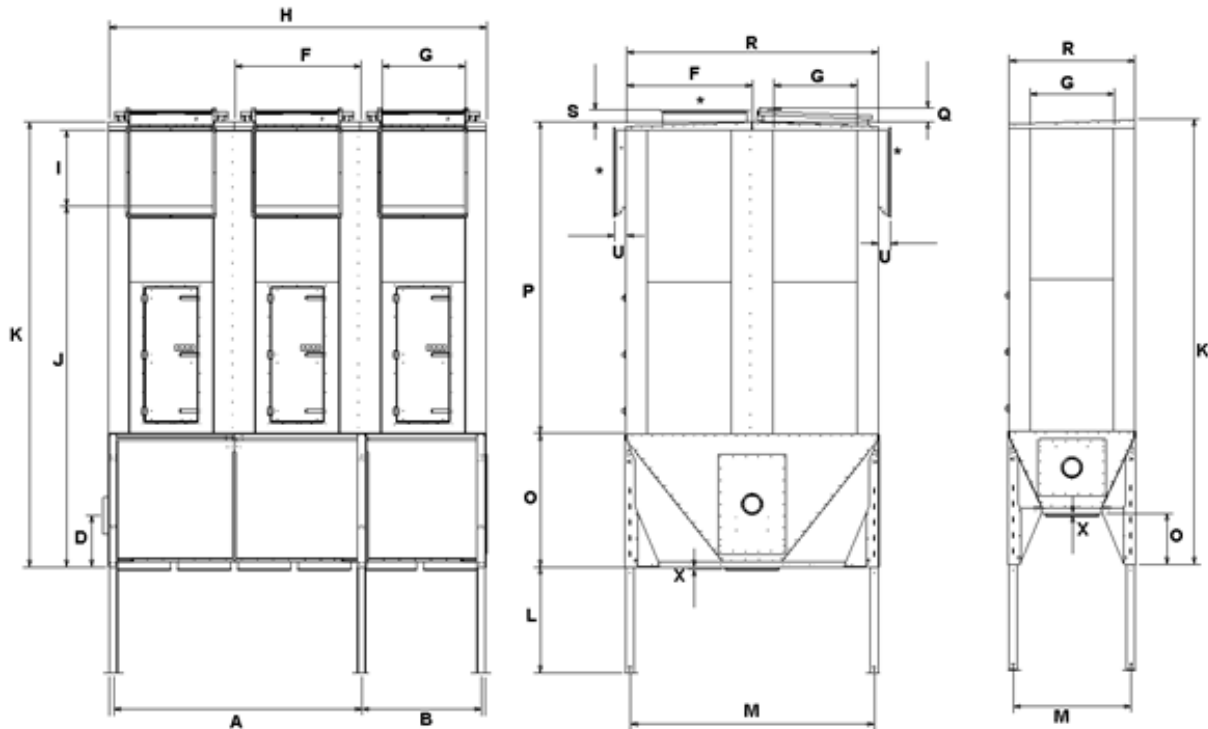
- The explosion relief doors are marked:



Filter marking for dust type St1 and St2:



Dimensions



Unit	Type	A #	B	D***	F	G	H	I	J**	K**	M	O	P**
mm	J	2400	1106	485	1200	800	3600	720	3420	4220	2321	1260	2960
in	J	94.5	45.67	19.09	47.24	31.50	141.73	28.35	134.65	166.14	91.38	49.61	116.54
Unit	Type	Q	R	S	U	W	X						
mm	J	135	2400	115	150	47	23						
in	J	5.31	94.5	4.53	5.91	1.85	0.91						

* Optional position of outlet / reg. fan.

Filter length		
Type	H1	
	mm	in
1 HJ	1200	47.24
2 HJ	2400	94.5
3 HJ	3600	141.73
4 HJ	4800	189.0

L1 - telescopic filter legs				
Type	Min. Adjust		Max. Adjust	
	mm	in	mm	in
L= 1196	155	6.1	850	33.46
L= 1596	555	21.85	1250	84.65
L= 2195	1155	45.47	1850	72.83
L=2596	1555	61.22	2250	88.58

Ordering

When ordering LBR-B filter, please specify:

- Dust characteristics K_{ST} and p_{max}
- Installation area zone-rating (non-zone)
- Filter material type (only antistatic)
- Answers to the question session in the configurator