

## 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.

### Description

The LBR-B is a modular filter made of galvanized steel. (Size of base module: 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 two widths, type E – one module wide (1200 mm) and type J – two modules wide (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 antistatic polyester filter bags are standard (25 per module).

### Specification

Parameters	Description
Temperature	Max. 75°C
Positive pressure	Max. 800 Pa $P_{red} < 20 \text{ kPa (0,2 bar)}$
Negative pressure	Max. 500 Pa for Standard (overpressure) version Max. 5000 Pa for Vacuum version
Power supply:	230 / 400 V Regeneration fan – 1,1 kW (option 2,2 kW)
Filter element	Superbag 2000 XT15 with $\varnothing 200 \text{ mm}$ collar
Max. quantity of modules	4 modules
Filter area (m <sup>2</sup> ) per module	HJ: 85 m <sup>2</sup> HE: 42 m <sup>2</sup> LJ: 40 m <sup>2</sup> LE: 20 m <sup>2</sup>
Max. filtration area (m <sup>2</sup> )	HJ: 340 m <sup>2</sup> HE: 168 m <sup>2</sup> LJ: 160 m <sup>2</sup> LE: 80 m <sup>2</sup>
Door switch	At the inspection doors in the filter hopper. At one filter module door per each 5 modules At each inlet module door.

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



Filter marking for dust type St1 and St2:



### Product Marking of LBR-B SmartFilter:

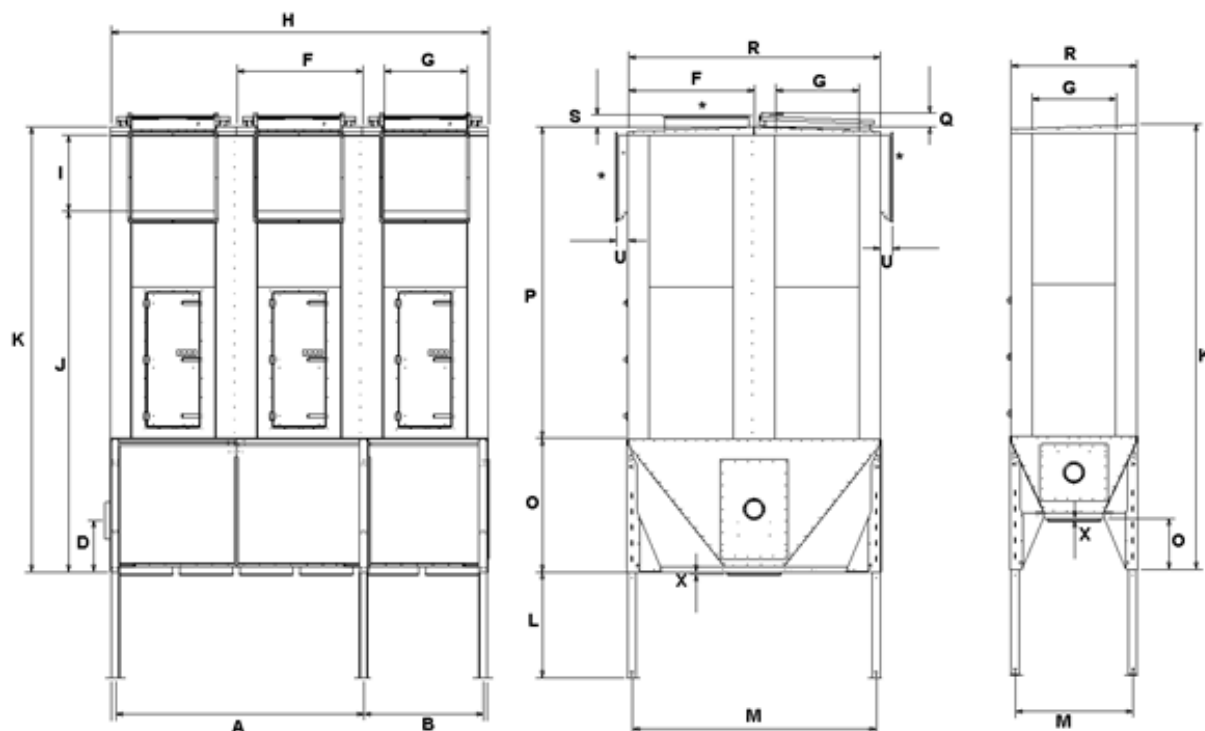
The marking is based on product certificate Baseefa 06 ATEX 0068X.

- The explosion relief doors are marked:



Dimensions

LBR-B with metal bins



Type	A #	B	D***	F	G	H	I	J**	K**	M	O	P**	Q	R	S	U	W	X
E	2400	1106	485	1200	800	3600	720	2937	3740	1121	777	2960	135	1200	115	150	47	23
J	2400	1106	485	1200	800	3600	720	3420	4220	2321	1260	2960	135	2400	115	150	47	23

\* Optional position of outlet / reg. fan. 800 x 800 or 600 x 600 mm. (LJ version: not on door side)

\*\* Height of LJ version – reduce 1440 mm

\*\*\* 400 mm to bottom place in hopper

# Optional 1200 mm.

L1 - telescopic filter legs		
Type	Min. Adjust	Max. Adjust
L= 1196	155	850
L= 1596	555	1250
L= 2195	1155	1850
L=2596	1555	2250

No. of modules	H	No. of modules	H
1 HJ & LJ	1200	1 HE & LE	1200
2 HJ & LJ	2400	2 HE & LE	2400
3 HJ & LJ	3600	3 HE & LE	3600
4 HJ & LJ	4800	4 HE & LE	4800

All dimensions in mm.

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