

Technical leaflet 150070 5	Date 2011-11-15
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NFPZ3000 Filter with dust bins

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



Example: NFPZ3000 3 HJ modules with side and top venting for St2 dust

Specifications

Temperature	Max. 75°C	
Over pressure	Max. 800 Pa $P_{red} < 20 \text{ kPa (0,2 bar)}$	
Vacuum	Max. 500 Pa Option 5000 Pa	
Power supply:	230 / 400 V Regeneration fan – 1,1 kW (option 2,2 kW)	
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 element	Superbag 2000 XT15 with $\varnothing 200 \text{ mm}$ collar	
Filter area (m ²) per module	HJ: 85 m ² LJ: 40 m ²	HE: 42 m ² LE: 20 m ²

The NFPZ3000 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 NFPZ3000 filter is suitable for explosive dusts type St1 and St2.

Description

NFPZ3000 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 module of the module filter construction, is fitted with a combined inspection and explosion relief door. Side venting is standard. (Option – top venting or venting type UP). See separate leaflet "FILTERTOP".

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 - see separate leaflet "FILTERTOP".

Superbag 2000 antistatic polyester filter bags are standard (25 per module).

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Marking

The NFPZ3000 filter body for dust type St1 for installation in non-zone are marked:


CE 1180  **II 1(3)/- D St1**

For dust type St1 and St2, the filter body is marked:

CE 1180  **II 1(3)/- D St2**

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

The explosion relief doors are marked:

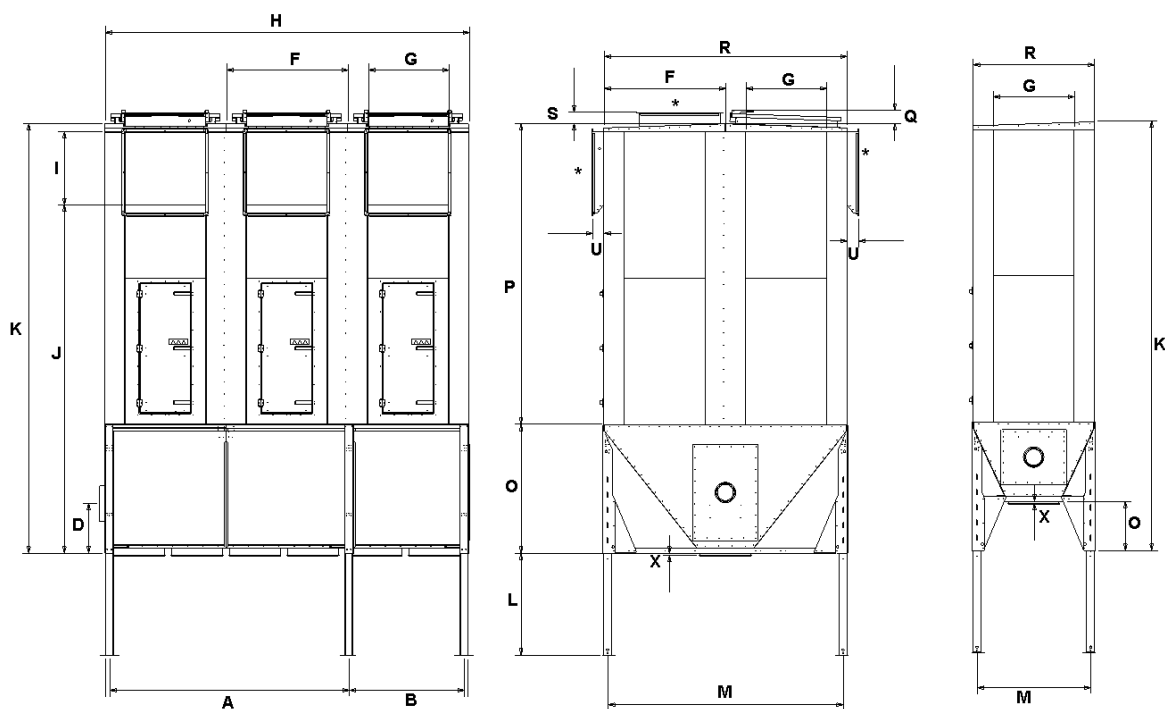
CE 1180  **II D**

Ordering

Please specify by ordering NFPZ3000 filter:

- Dust characteristics Kst and P-Max
- Zone-rating of place for installation (Non-zone, Zone 21 or zone 22)
- Filter material type (only antistatic)
- Answers to the question session in the configurator.

Dimensions for NFPZ3000 filter with metal bins



Type	A#	B	D***	F	G	H	I	J**	K**	L	M	O	P**	Q	R	S	U	W	X
E	2400	1106	485	1200	800	3600	720	2937	3737	See below	1121	777	2960	135	1200	115	115	47	23
J	2400	1106	485	1200	800	3600	720	3420	4220	See below	2321	1260	2960	135	2400	115	115	47	23

L – telescopic filter legs			No. of modules		H	
Type	Min. Adjust.	Max. Adjust.				
L = 1196	155	850	1 HJ & LJ	1200	1 HE & LE	1200
L = 1596	555	1250	2 HJ & LJ	2400	2 HE & LE	2400
L = 2195	1155	1850	3 HJ & LJ	3600	3 HE & LE	3600
L = 2596	1555	2250	4 HJ & LJ	4800	4 HE & LE	4800

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

** Height of L version – reduce 1440 mm

*** 400 mm til bundplade i tragt.

Optional 1200 mm..

All dimensions in mm.