

NFKZ3000 Filter with chain conveyor

Compact filter, suited for handling large air flows with heavy material content.



Example: NFKZ3000 2+1 HJ filter with side and top

venting for St2 dust.

Specifications

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Temperature	Max. 75°C				
Over pressure	Max. 800 Pa				
	P _{red} <20 kPa (0,2 bar)				
Vacuum	Max. 500 Pa				
	Option 5000 Pa				
Power supply:	230 / 400 V				
	Chain motor – 1,1 kW				
	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 ø200 mm				
	collar				
Filter area (m ²)	HJ: 85 m ²				
	LJ: 40 m ²				

The NFKZ3000 filter with chain conveyor is a compact filter, suited for handling large air flows with heavy material content, for example filtration of waste-laden extracted air in the wood and paper industries.

The filter hopper and the inlet section (optional) separate the medium/large particles and distribute the air to the filter bags. A double chain conveyor in the bottom of the hopper moves the collected material to a rotary valve for outfeeding.

The filter can be supplied for either continuous operation or with a pause for cleaning of the filter bags every four hours.

The NFKZ3000 filter is suitable for explosive dusts type St1 and St2.

Description

The NFKZ3000 filter is a modular chain filter made of galvanised steel sheets.

(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 double module filter construction, type J (width = 2400 mm), is fitted with a combined inspection and explosion relief door. Side venting is standard. (Option – top venting or UP-ward venting). See separate leaflet "FILTERTOP".

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 (50 per double module).

Inlet in hopper – any ATEX zone. Inlet via inlet module: consult technical leaflet.

Ordering

By ordering NFKZ3000 filter, please specify:

- 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.



Marking:

The NFKZ3000 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:

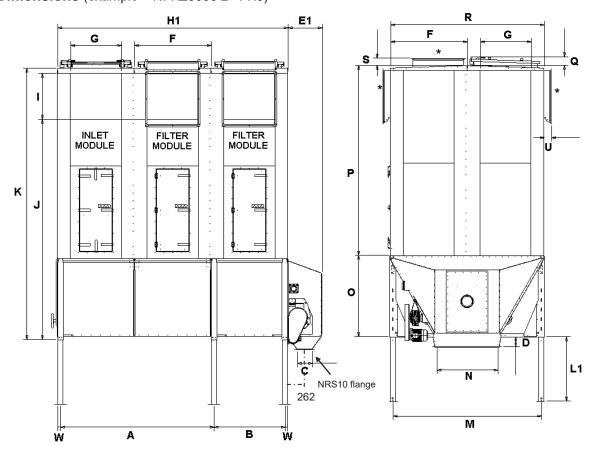
CE 1180 🐼 II 1(3)/- D St2

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

The explosion relief doors are marked:

CE 1180 (Ex) II D:

Dimensions (example - NFKZ3000 2+1 HJ)



	A #	В	С	D	Е	F	G	Н	-1	J**	K**	L	М	N	0	P**	Q	R	S	U	W
ſ	2400	1106	245	153	583	1200	800	3600	720	3420	4230	See below	2321	952	1260	2960	135	2400	115	150	47

L – telescopic filter legs							
Туре	Min. Adjust.	Max. Adjust.					
L = 1596	555	1250					
L = 2195	1155	1850					
L = 2596	1555	2250					

Туре	Weight per module				
J - over pressure	567 kg				
J - vacuum	742 kg				
Driving station	250 kg				

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

All dimensions in mm.

^{**} Height of LJ version – reduce 1440 mm

[#] Optional 1200 mm.