

## FlexFilter 13 and 18 EX

The FlexFilter 13 and 18 EX are high vacuum filters used in applications with a working vacuum of max. 40.000 Pa. The filter can be used in applications where there is a high content of explosive dust particles.



### Marking

The filter body in the St2 version is marked:

**Ex II 1(3)/- D St2**

The St1 version is marked II 1(3)/- D St1

The St3 version is marked

II 1(3)/- D St3 Kst max 600

The marking is based on evaluation and tests by Nederman.

### Accessories

- Extended filter legs
- Large waste bin, 100 l

The FlexFilter 13 and 18 EX are high vacuum filters used in applications with a working vacuum of max. 40.000 Pa.

The filter is made in galvanized steel sheet which makes it a very competitive alternative to other high vacuum filters.

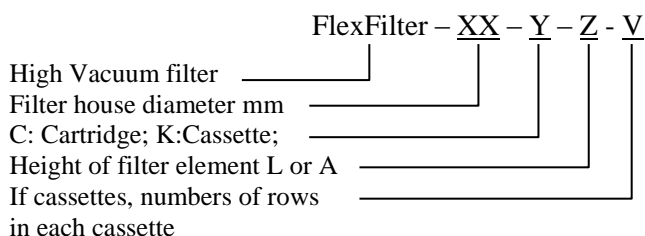
The FlexFilter 13 and 18 EX can be used in applications where there is a high content of explosive dust particles.

The filter can be supplied with either antistatic cartridges (UniClean) or antistatic cassettes depending on the air flow, the dust type and the dust concentration. The FlexFilter 13 and 18 EX can be delivered in two different heights – type L and A.

The Ex-vents 410x410 are supported on the back side to allow vacuum max 0,4 bar.

The cartridges/cassettes are cleaned automatically by a high-efficiency, low energy consuming compressed air system activated by an integral electronic controller. The filter is easy to maintain due to the following features:

- Quick release waste bin
- Inspection and change of the filter elements can take place within a few minutes
- Front service of the cleaning valves, the controller, the compressed air tank and the filter elements.



### Ordering

At ordering please specify:

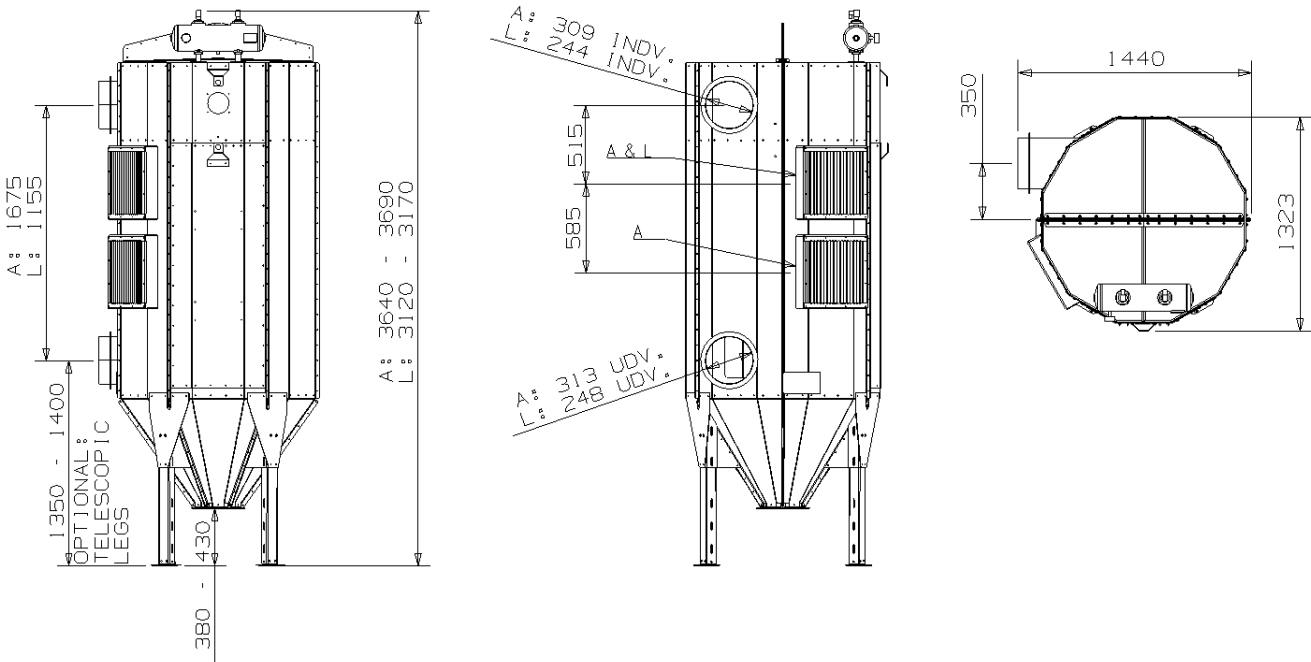
- Dust characteristics Kst and P-Max
- Zone-rating of place for installat. (Nonzone)

Filter type	Filter area (m <sup>2</sup> )	Filter cartridge/element	Bin size (liter)
FlexFilter-13-C-L EX	32 *	8 UniClean type 40	50
FlexFilter-13-C-A EX	53 *	8 UniClean type 66	50
FlexFilter-18-C-L EX	64 *	16 UniClean type 40	50
FlexFilter-18-C-A EX	106 *	16 UniClean type 66	50
FlexFilter-13-K-L-4 EX	15	2 cassettes - 4 rows	50
FlexFilter-13-K-L-6 EX	22	2 cassettes - 6 rows	50
FlexFilter-18-K-L-4 EX	30	4 cassettes - 4 rows	50
FlexFilter-18-K-L-6 EX	44	4 cassettes - 6 rows	50

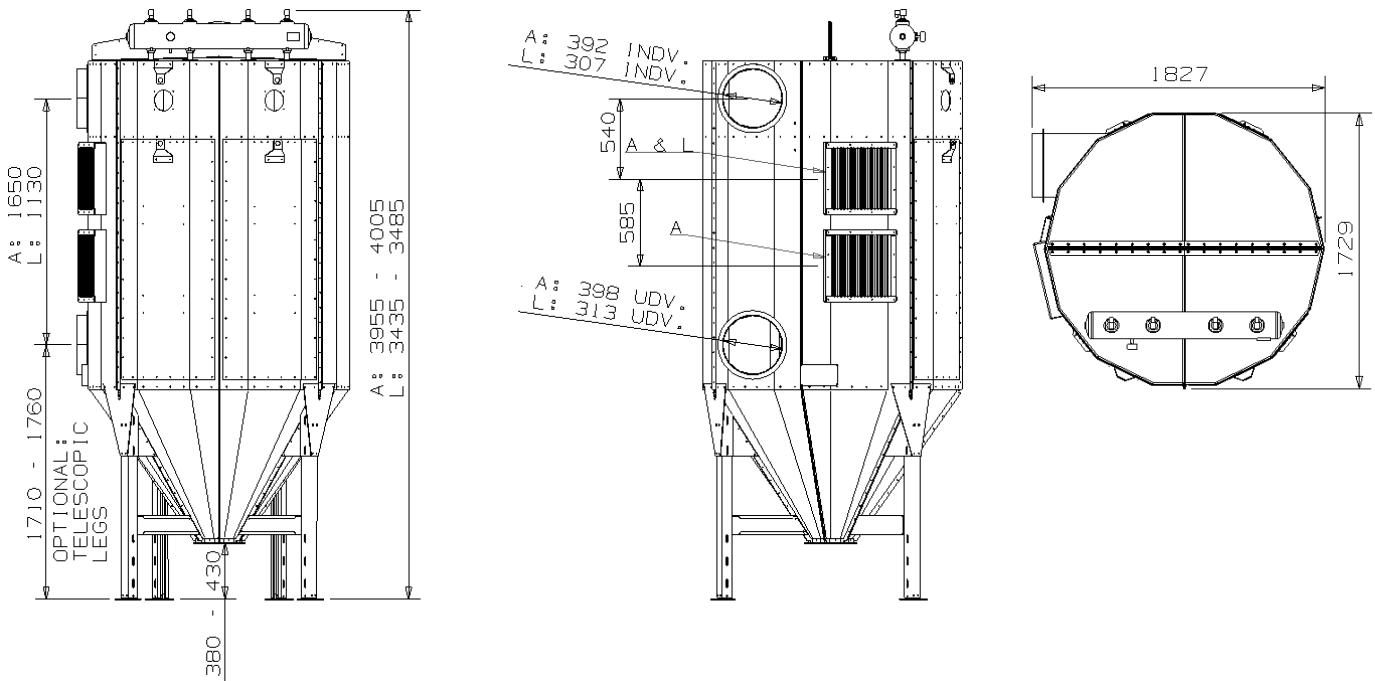
\* UniClean cartridge type CA 175 : Filter area approx. 2,2 x the table area.

# Dimensions

## FlexFilter 13 EX L/A



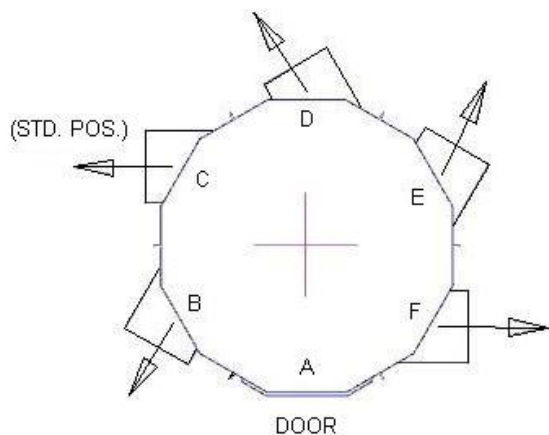
## FlexFilter 18 EX L/A



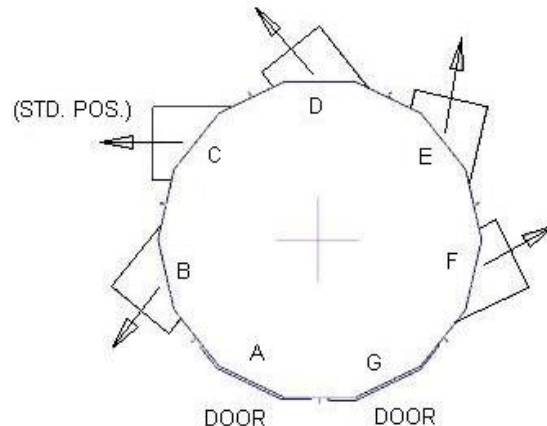
All dimensions are in mm.

## Outlet position

FlexFilter 13 EX L/A

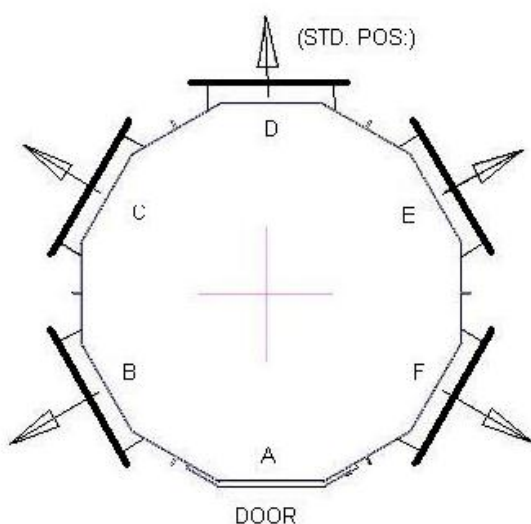


FlexFilter 18 EX L/A

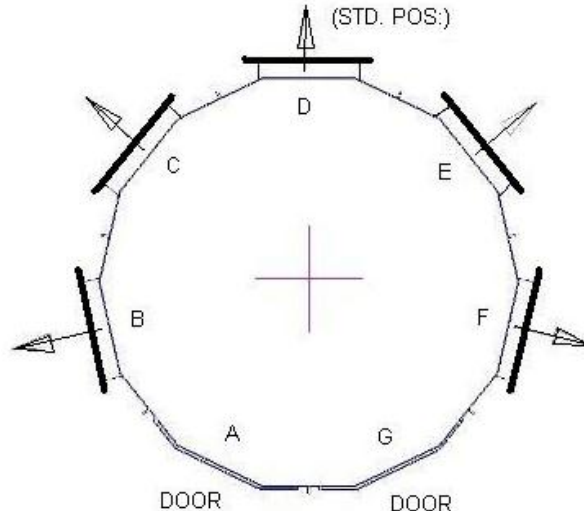


## Position of ex-panels

FlexFilter 13 EX L/A



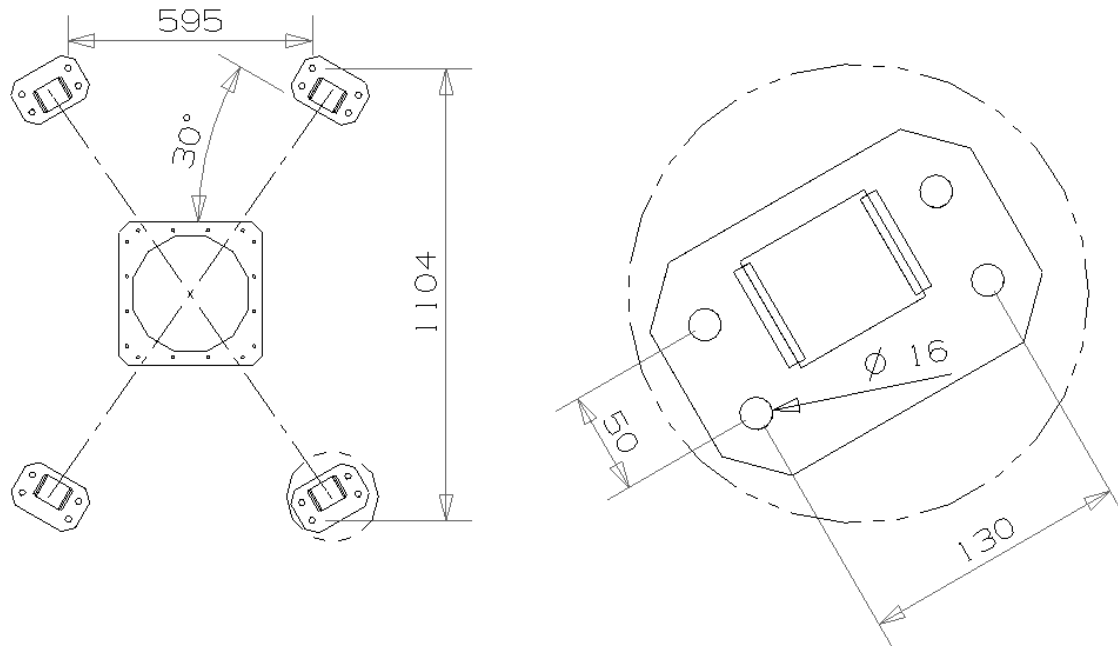
FlexFilter 18 EX L/A



Filter type (Bin or rotary valve)	EX vent St1 Pcs	EX vent St2 Pcs	St3 max bar*m/s	Pred bar	Door position	Standard Ex-vent position
FlexFilter-13-C/K-L EX	1	2	Max 600	0,50	A	B
FlexFilter-13-C-A EX	2	2	Max 600	0,50	A	B
FlexFilter-18-C/K-L EX	2	2	Max 600	0,50	A+G	B
FlexFilter-18-C-A EX	2	3	Max 600	0,50	A+G	B

Ex. calculations: according to EN 14491; At one ex-panel: Mounted middle; at 2 or more: One ex-panel mounted at top and at middle position at 1300-1800 types.

St1: Kst 200 bar m/s, Pmax = 9 bar; St2: Kst 300 bar m/s, Pmax = 9 bar; St3: Pmax = 10,5 bar.

**Foot plates position****FlexFilter 13 EX****FlexFilter 18 EX**