PRESSURE DIFFERENCE ACTUATED FULLY AUTOMATIC ELECTRO-PNEUMATIC FILTER

The filter is used for dedusting silos and bunkers which are pneumatically loaded.

- Installation-friendly filter box made out of coated steel plate.
- Galvanised, easy to open weather hood. This guarantees tool-free access to the filter cartridges at any time
- The filter cartridges with high-quality, star-shaped folded polyester non-woven material lining and plastic bottom ensure lower concentration of residual dust concentration. The installation is carried out clean gas-sided.
- The quick release outlets together with the blast pipes are directly installed on the pressure reservoir in the cap. Thus short ways of the dedusting air are created. This reduces the consumption of compressed air and results in an optimal cleaning of the filter cartridges.
- The powerful ventilator is installed on a console next to the filter box. Therefore, the ventilator doesn't change its position when opening the filter box. A blow out arch, functioning as a rain protection, as well as a bird protection grid, are installed at the air exhaust side of the box
- In order to protect the solenoid valves and the filter cartridges a pressure reduction / compressed-air service unit with 25 micrometer filter is installed upstream
- Besides free selectable clearance times through full-electronic filter control, the pressure difference actuated dedusting automatic is installed on the filter box, **factory-set wired and programmed.**

- Rust removal: SA 2,5
  Primer: 2K; 40µm
  Top coat: 2K; RAL 9006; 40µm

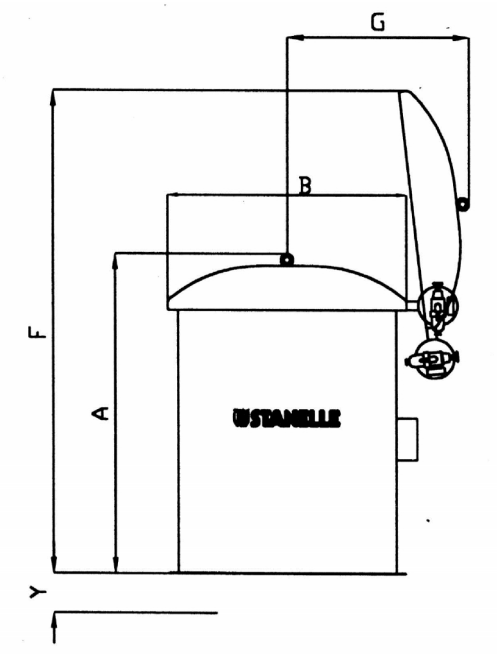
The switch frequency of the dedusting automatic depends on the dust consistence of the exhaust air, as well as the consistence of the medium.

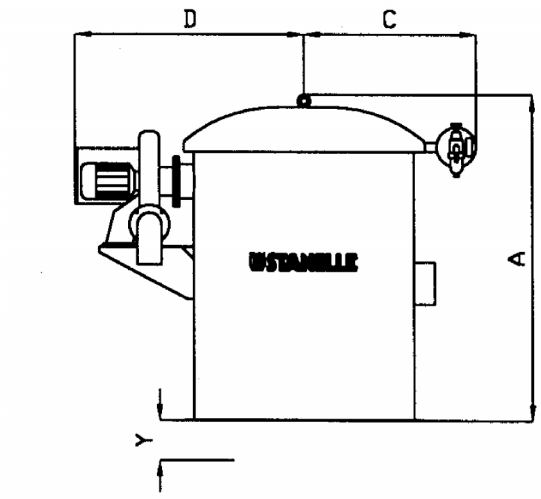
Dimensions Top Filter

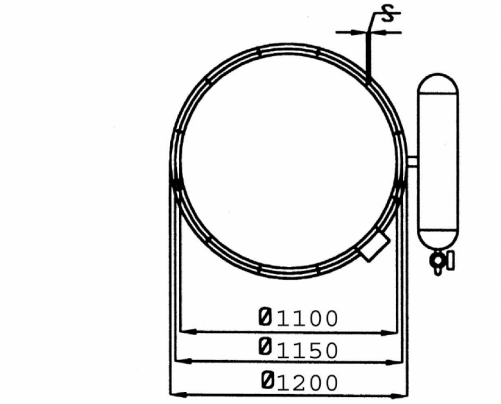
Filter area m²	30	36	42	48
A without / with ventilator	1640 / on the side			
B without / with ventilator	Ø 1200			
C mm	870	900		900
D mm	1150			
F mm	approx. 2600			
G mm	920			
Y cartridges extending into	-	200	200	400
S	ø 14			

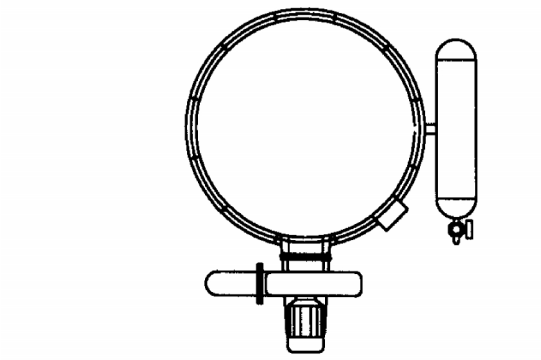
Dimensions Connection Flange

Filter area m²	30	36	42	48
Outside ø mm	1200			
Inside ø mm	1100			
Hole circle mm	1050			
Number of holes / ø mm	12 x ø 14			









Technical Data Top Filter

Filter area m^2	30	36	42	48
Capacity Nm3/h	1500	1800	2100	2400
Maximum temperature	120° C			
Filter cartridges/pc.	6		7	
Filter medium	Polyester			
Solenoid valve/pc.	6		7	
Operating pressure	2,5 bar			
Air connection/mm	ø 13			
Air supply	50 Nltr/min. with a break time of 20 Sec.			
Weight without/with ventilator	345 / 390	345 / 390	345 / 390	370 / 420

Filter cartridge protruding into the silo 200 mm or 400 mm

Technical Data Ventilator

Filter area m^2	30	36	42	48
Ventilator power	1,5 KW	1,5 KW	1,5 KW	2,2 KW
Current consumption approx.	4,48 A / 3,31 A	4,48 A / 3,31 A	4,48 A / 3,31 A	6,2 A / 4,46 A
Motor voltage	230 V / 400 V AC			
Control voltage	230 V / 50 Hz			
Static pressure increase at engine	1800 PA	1800 PA	1800 PA	1860 PA
Volume flow rate max.	3600 m^3	3600 m^3	3600 m^3	4200 m^3

Article Number

Filter area m^2	30	36	42	48
	Article number	Article number	Article number	Article number
without ventilator	722 10 182	722 10 204	722 10 206	722 10 340
with ventilator	722 10 288	722 10 287	722 10 276	722 10 341

Additional sizes and options (e.g. pressure surge protect construction) can be tailored to your special application!

When placing an order please define the materials which are stored in your silo (e.g. cement, lime etc…)

Notice