

PRESSURE DIFFERENCE ACTUATED FULLY AUTOMATIC ELECTRO-PNEUMATIC FILTER



Easy to open weather
hood

Tool-free exchange
of filter cartridges

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

Areas of Application

- 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.**
- After rust removal in SA 2,5 mm, a priming and top coat with hammer tone grey.

Details / Explanation

Finish

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

Notice

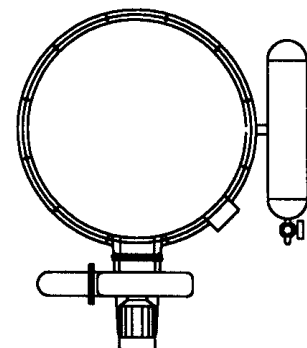
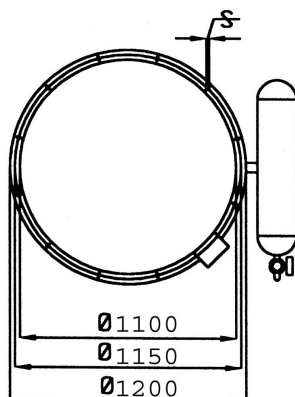
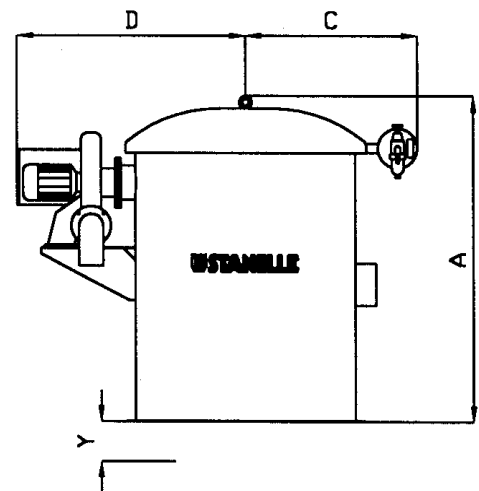
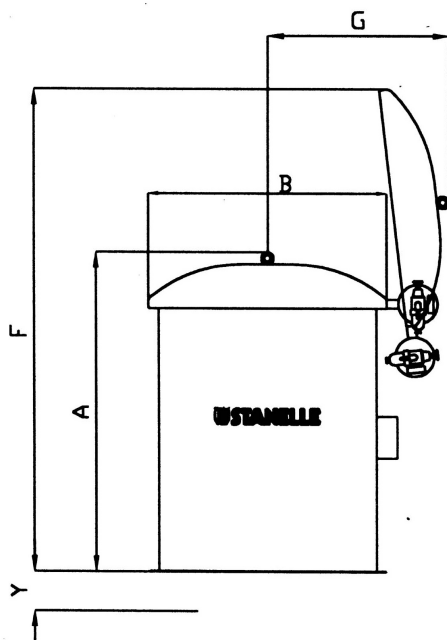


Dimensions Top Filter

| Filter area m ² | 30 | 36 | 42 |
|--------------------------------------|--------------------|-----|-----|
| A without / with ventilator mm | 1640 / on the side | | |
| B without / with ventilator mm | 1200 / 1200 | | |
| C mm | 870 | 900 | |
| D mm | 1150 | | |
| F mm | 2470 | | |
| G mm | 920 | | |
| Y cartridges extending into the silo | - | 200 | 200 |
| S | ø 14 | | |

Dimensions Connection Flange

| Filter area m ² | 30 | 36 | 42 |
|----------------------------|-----------|----|----|
| 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 |
|-----------------------------------|---|---------|---------|
| Capacity Nm ³ /h | 1500 | 1800 | 2100 |
| Maximum temperature | 130° C | | |
| Filter cartridges/pc. | 6 | | 7 |
| Filter medium | Polyester | | |
| Solenoid valve/pc. | 6 | | 7 |
| Operating pressure | min. 3 bar, max. 5 bar | | |
| Air connection/mm | ø 13 | | |
| Air supply | 50 Nltr/min. with a break time of 20 Sec. | | |
| Weight without/with ventilator kg | 500/550 | 520/570 | 550/600 |

Technical Data Ventilator

| Filter area m ² | 30 | 36 | 42 |
|--|--------------------------|--------------------------|--------|
| Ventilator power | 1,85 KW | 3,7 KW | 3,7 KW |
| Current consumption | ca. 7,4 / 4,3 A | ca. 12,8 / 7,4 A | |
| Motor voltage | 230 / 400 V | | |
| Control voltage | 230 V / 50 Hz | | |
| Static pressure increase at engine operating point | ca. 2400 PA | ca. 3300 PA | |
| Volume flow rate | max. 2340 m ³ | max. 3420 m ³ | |

Article Number

| Filter area m ² | 30 | 36 | 42 |
|----------------------------|----------------|----------------|----------------|
| | Article number | Article number | Article number |
| without ventilator | 722 10 182 | 722 10 204 | 722 10 206 |
| with ventilator | 722 10 288 | 722 10 287 | 722 10 276 |

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

Notice



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