

## PRESSURE DIFFERENCE ACTUATED FULLY AUTOMATIC ELECTRO-PNEUMATIC FILTER

WITH WEATHER HOOD WITHOUT VENTILATOR



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

### Areas of Application

- Installation-friendly filter box
- Easy to open weather hood with integrated dedusting system. This allows easy access to the filter cartridges, **as well as a tool-free exchange of the filter cartridges.**
- The filter cartridges with high-quality, star-shaped folded polyester non-woven material lining, ensure lower rest dust concentration.
- 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



Easy to open weather  
hood

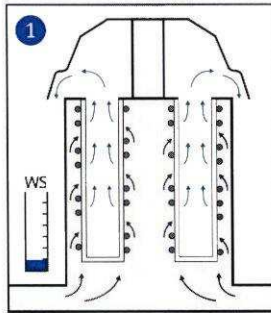
*Tool-free exchange  
of filter cartridges*

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

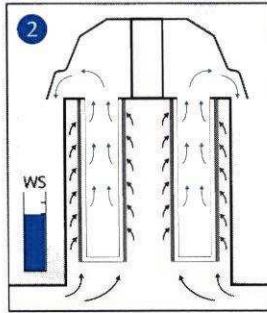
**Notice**



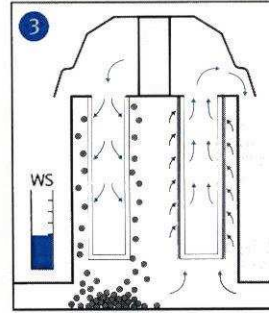
### SCHEME OF STREAMING



1 Dust loaded air streams through the filter cartridge. The dust particles displace on the outer surface of the filter cartridges. Through the open top cartridges the clean medium can exhaust.



2 With increasing dust deposit, the filter resistance increases. As the set-up differential pressure is reached, the cleaning cycle begins automatically.



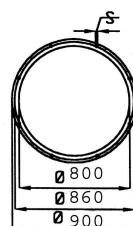
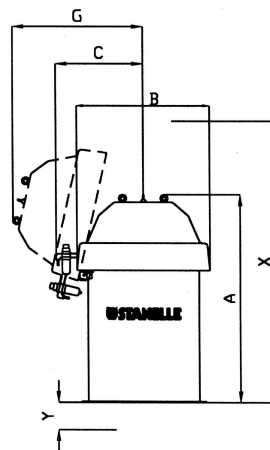
3 Undisturbed continuous operation is ensured by the single cleaning of filter elements. The dust falls back into the silo. At a under usage of a minimum-filter resistance, the cleaning cycle turns off automatically.

#### Dimensions Top Filter

Filter area m <sup>2</sup>	20	24
A without/with ventilator mm	1520/1850	
B without/with ventilator mm	970/900	
C mm	630	
D mm	1010	1010
F mm	2050	2250
G mm	1030	
Y cartridges extending into the silo	-	200
X mm	1000	1200

#### Dimensions Connection Flange

Filter area m <sup>2</sup>	20	24
Outside ø mm	900	
Inside ø mm	800	
Hole circle mm	860	
Number of holes/ ø mm	8 x ø 14	



**Technical Data Top Filter**

Filter area m <sup>2</sup>	20	24
Capacity Nm <sup>3</sup> /h	1000	1200
Maximum Temperature	120°C	
Filter cartridges/pc.	4	
Filter medium	Polyester	
Solenoid valves/pc.	4	
Operating pressure	min. 3 bar, max. 5 bar	
Compressed air connection/mm	ø 13	
Compressed air demand	50 Nltr/min. with a break time of 20 sec.	
Weight without/with ventilator kg	140/180	155/195

**Article Number**

Filter area m <sup>2</sup>	20	24
	Article number	Article number
without ventilator	722 10 128	722 10 190
with ventilator	722 10 274	722 10 275

**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...)**

WITH WEATHER HOOD AND VENTILATOR

Technical Data Ventilator

Filter area m <sup>2</sup>	20	24
Ventilator power	1,1 KW	
Current consumption	ca. 4,6 / 2,6 A	
Motor voltage	230 / 400 V	
Static pressure increase at engine operating point	ca. 1800 PA	
Volume flow rate	max. 1200 m <sup>3</sup> /h	

