

PRESSURE DIFFERENCE ACTUATED FULLY AUTOMATIC ELECTRO-PNEUMATIC FILTER

WITH WEATHER HOOD WITHOUT FAN



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

- 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.
- Fully electronic preset, differential pressure controlled automatic cleaning system.
- 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

Areas of Application

Details / Explanation

Finish



Easy to open weather hood

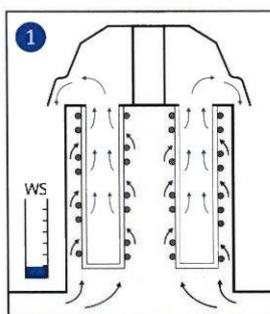
Tool-free exchange of filter cartridges

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

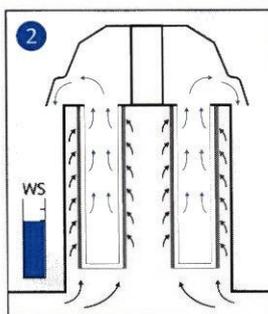
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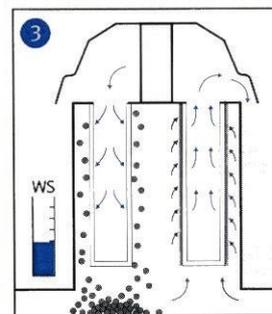
SCHEME OF STREAMING



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.



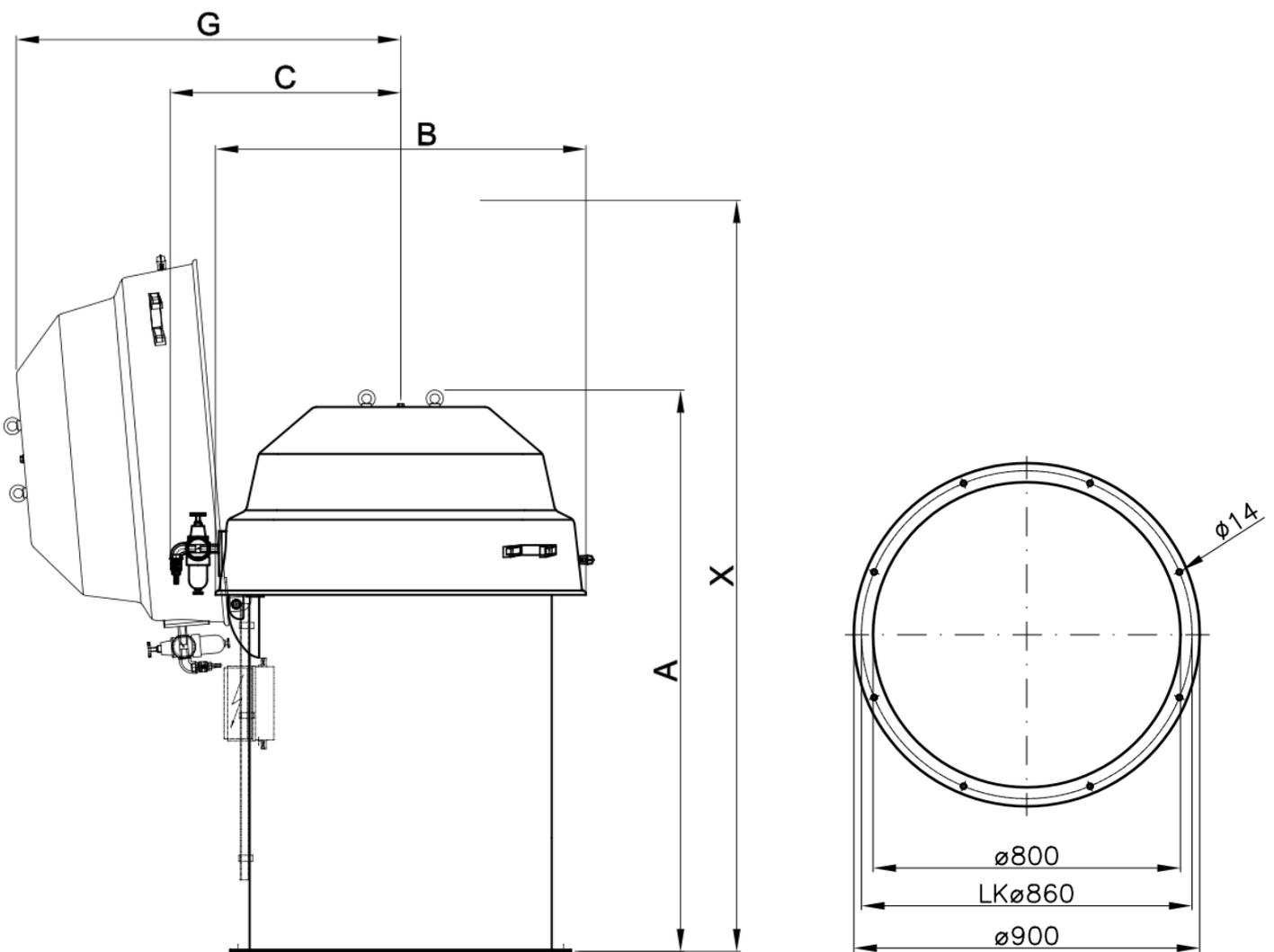
3 Undisturbed continuous operation is ensured by the single cleaning of filter elements. The dust falls back into the silo. At a under usage of a minimum-filter resistance, the cleaning cycle turns off automatically.

Dimensions top filter

Filter system	20	24
A without fan mm	1500	1700
B without fan mm		970
C mm		630
G mm		1030
X mm free space cartridge filters	2000	2400

Dimensions connecting flange

Filter system	20	24
Outside \varnothing mm		900
Inside \varnothing mm		800
Hole circle mm		860
Number of holes / \varnothing mm		8 x \varnothing 14



Technical data filter

Filter system	20	24
Capacity, Nm ³ /h	1000	1200
Maximum temperature	130°C / optional 150°C	
Filter cartridges, pc.	4	
Filter medium	polyester	
Solenoid valves, pc.	4	
Operating pressure	2,5 bar	
Air connection, mm	ø 13	
Actuation air	75 Nltr / min. with a break time of 20 sec.	
Weight, kg	140	155

Article number

Filter system	20	24
	Article number	Article number
Without fan	722 10 342	722 10 343
Without fan ATEX 20 / 22	722 10 359	722 10 360
Without fan stainless steel VA	722 10 208	722 10 300

WITH WEATHER HOOD AND FAN



Filter with fan

Filter without fan with exhaust air pipe

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.
- Fully electronic preset automatic differential pressure controlled automatic cleaning system
- Filter control mounted on the filter housing, wired and programmed
- The powerful fan is mounted on a console on the side of the filter housing. As a result, the position of the fan remains unchanged when the filter housing is opened. On the exhaust side there is an air outlet arch for rain protection and a bird protection grille.

Details / Explanation

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

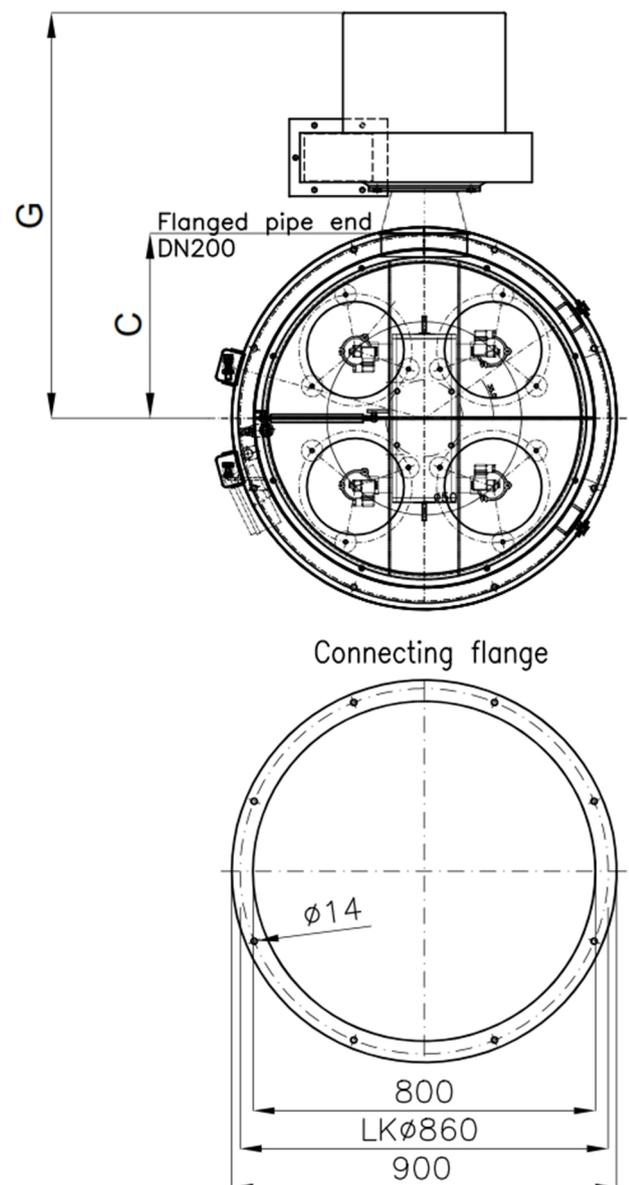
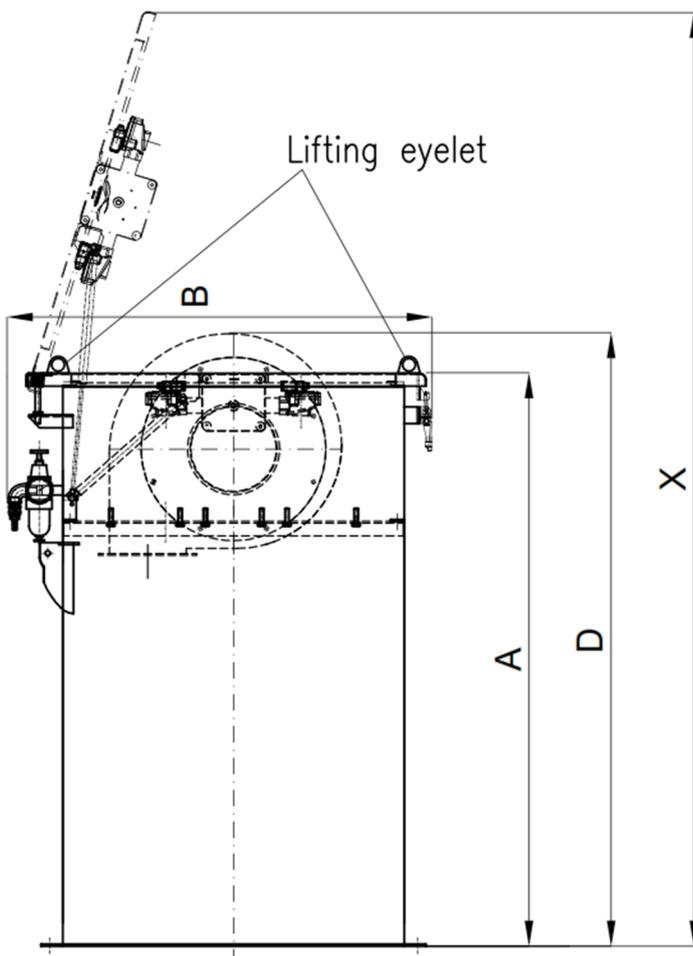
Finish

Dimensions filter

Filter system	20	24
A without fan mm	1350	1550
B without fan mm		995
C mm		435
D mm	1450	1650
G mm		995
X mm free space cartridge filters	2200	2400

Dimensions connecting flange

Filter system	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 filter

Filter system	20	24
Capacity, Nm ³ / h	1000	1200
Maximum temperature	130°C / optional 150°C	
Filter cartridges, pc.	4	
Filter medium	polyester	
Solenoid valves, pc.	4	
Operating pressure	2,5 bar	
Compressed air connection, mm	ø 13	
Compressed air demand, Nltr / min	75 Nltr / min. with a break time of 20 sec.	
Weight, kg	180	195

Technical data fan

Filter system	20	24
Fan power, kW	0,55	1,1
Motor voltage	230 V / 400 V / 50 Hz	
Static pressure rise, Pa	approx. 2200	approx. 2400
Volume flow, m ³ / h	max. 1140	max. 1500

Article number

Filter system	20	24
	Article number	Article number
Without fan	722 10 347	722 10 348
Without fan ATEX 20 / 22	722 10 359	722 10 292
Without fan product contact stainless steel VA	722 10 390	722 10 391
With air vents NW 200 beading	722 10 224	722 10 392
Other versions on request		

Equipment / Spare parts

Filter system	20	24	
	Article number	Article number	
Welded frame primed	722 10 130	722 10 130	
Welded frame stainless steel VA 1.4301	722 10 162	722 10 162	
Filter cartridge SLP standard	722 10 001	722 10 158	

Filter system	20	24	
	Article number	Article number	
Filter cartridge SLP antistatic ATEX 	722 10 087	722 10 057	
Filter cartridge SLP by 150°C	722 10 218	722 10 183	
Inspection flap - spare -	STO581	STO581	
Control system DP4 for pneumatic filters, connection voltage 230 V/AC for 4 magnet valves 24V/DC	881 10 209	881 10 209	
Control system DP4 for pneumatic filters, connection voltage 24 V/DC for 4 magnet valves 24V/DC	881 10 209-24V	881 10 209-24V	
Control system DP4 for pneumatic filters, connection voltage 230 V/AC ATEX zone 22 for 4 pneumatic valves	881 10 210	881 10 210	
Control system DP4 for pneumatic filters, connection voltage 24 V/DC ATEX zone 22 for 4 pneumatic valves 	881 10 210-24V	881 10 210-24V	
Valve cover set without coil ATEX / 881 10 210 	881 10 268	881 10 268	
Valve cover set 24V/DC, consisting of diaphragm, coil, cover	881 10 245	881 10 245	
Valve cover set 230 V/AC, consisting of diaphragm, coil, cover	881 10 247	881 10 247	

Diaphragm for quick relief valve	881 10 246	881 10 246	
Magnetic valve coil, 24V/DC	881 10 245-01	881 10 245-01	
Magnetic valve coil, 230V/AC	881 10 247-01	881 10 247-01	
Valve cover	881 10 253	881 10 253	
Valve connector Typ BI, cables 2m	881 10 401	881 10 401	
Filter regulator G 1/2"	874 10 001	874 10 001	
Magnetic valve complete, 24V/AC / 24V/DC old filter version (up to year of construction. 2013)	on request	on request	

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...)