

Perfect filter performance.

Guaranteed clean and dust-free air.

The MVRW small filter removes dust from the air in industrial processes, for example on airlocks and weighing or conveying systems. It operates at pressures of \pm 0.5 bar (round) or \pm 50 mbar (rectangular). This small filter satisfies environmental regulations, complies with the explosion protection guidelines of the EU, and thus guarantees the safety of persons and equipment.

Options:

- Available in stainless steel
- Differential pressure purging
- Filter cartridges with increased filter area

Features

- Minimum residual dust content in clean air
- Low purge air requirement
- Energy-efficient series bag (sleeve) clean-off
- Product temperature: 10 °C to + 90 °C
- Ambient temperature: 20 °C to + 60 °C
- Designed as standard for ATEX Zone 22



	Filter bag sleeve		Filter bag cartridge	
•		1.8 – 14 m²		6.4 – 45 m²
		0.6 – 7 m ²		8 – 32 m²

Filter controller CE/ATEX Zone 22. Features

Time a la cons

Filter area MVRW round

Filter area MVRW rectangular

- Time-based control
- Flexible adjustment of tickle-off cycles
- Connection for tapper
- Protection class IP 66 / NEMA 4

Options

- Differential pressure control
- Heating for low-temperature range

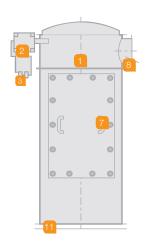


Benefits

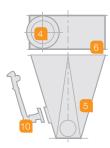
- Clean and dust-free air
- High energy efficiency
- High operating reliability
- Easy maintenance
- Long life cycle

Modular Configuration.

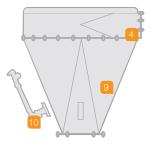
As flexible as your requirements.



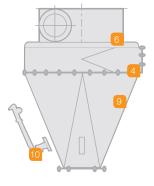
Top-mounted filter vertical, round



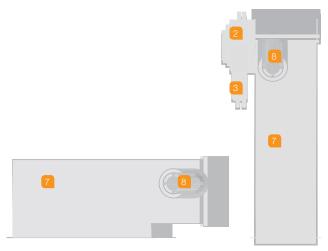
Aspiration cone with inlet



Total separator cone with inlet



Total separator cone with inlet and intermediate section with inlet for additional aspiration



Top-mounted filter horizontal and vertical, rectangular

- Filter head
- 2 Pressure tank
- 3 Filter controller
- 4 Raw gas inlet
- 6 Aspiration cone (optionally with support)
- 6 Intermediate section with aspiration inlet
- 7 Filter housing
- 8 Clean gas outlet
- Total separator cone (optionally with support)
- 10 Tapper (optional)
- 11 Intermediate grid (optional)

The right filter for every application.

The small filter is used as a top-mounted filter on standalone machines and conveyors and at receiving (intake) points. Optional cones allow the round version to be integrated as an aspiration filter or total separator in pneumatic conveying lines.

Small filter, round.

Lower space requirement, higher performance.

Efficient filter bag changes.

The filter bags (sleeves) are installed from the side. This enables efficient filter bag changes in tight space conditions.

Optimized compressed air pressure tank.

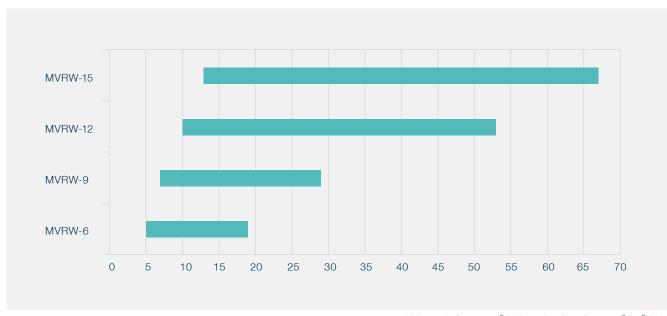
The pressure tank on the side perceptibly reduces the overall height of the small filter. In addition, the filtering process is as energy efficient as never before, thanks to the optimized pressure tank and purging system.

Options:

- Mount-on fan
- Intermediate grid
- Explosion relief
- Dust container



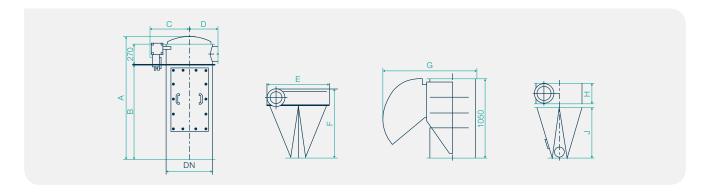
Volumetric flow rate diagram MVRW round*.



 * Volumetric flow rate m^3 / min at a loading of 3 to 5 m^3 / m^2 / min

Small filter, round.

Technical specifications



Round filter	Filter bags	Filter bag length (mm)	Filter area (m²)					
			6 bags (sleeves)	9 bags (sleeves)	12 bags (sleeves)	15 bags (sleeves)		
	6	800	1.8	2.7	-	-		
	9	1200	2.7	4.1	-	-		
		1800	4.1	6.1	-	-		
	12	800	-	-	3.6	4.5		
	15	1200	-	-	5.4	6.8		
		1800	-	-	8.1	10.2		
		2400	-	-	11.0	13.6		

Type designation example: round filter with 12 bags at 1800 mm \rightarrow MVRW-12/18

Specifications.

MVRW	Net weight	Α	В	С	D	E	F	G	н	1	J
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
6/8	120	1320	930	576	370	600	906	1010	1310	270 approx.	670
6/12	150	1720	1330	576	370	600	906	1010	1310	270 approx.	670
6/18	170	2120	1930	576	370	600	906	1010	1310	270 approx.	670
9/8	130	1320	930	576	370	600	906	1010	1310	270 approx.	670
9/12	160	1720	1330	576	370	600	906	1010	1310	270 approx.	670
9/18	190	2120	1930	576	370	600	906	1010	1310	270 approx.	670
12/8	160	1340	930	651	443	750	1160	1530	1460	330 approx.	730
12/12	190	1740	1330	651	443	750	1160	1530	1460	330 approx.	730
12/18	240	2135	1925	651	443	750	1160	1530	1460	330 approx.	730
12/24	280	2940	2530	651	443	750	1160	1530	1460	330 approx.	730
15/8	170	1340	930	651	443	750	1160	1530	1460	330 approx.	730
15/12	190	1740	1330	651	443	750	1160	1530	1460	330 approx.	730
15/18	250	2135	1925	651	443	750	1160	1530	1460	330 approx.	730
15/24	290	2940	2530	651	443	750	1160	1530	1460	330 арргох.	730

Small filter, rectangular.

High performance in a small space.

Optimal utilization of the available space.

The rectangular Small Filter is available in two design versions – vertical or horizontal – and fits into any space.

Versatile and flexible.

The Small Filter can be applied with high flexibility, for example as a bin-top filter in bulk storage systems or as an aspiration filter on stand-alone machines, scales, or conveyors.

Easy maintenance.

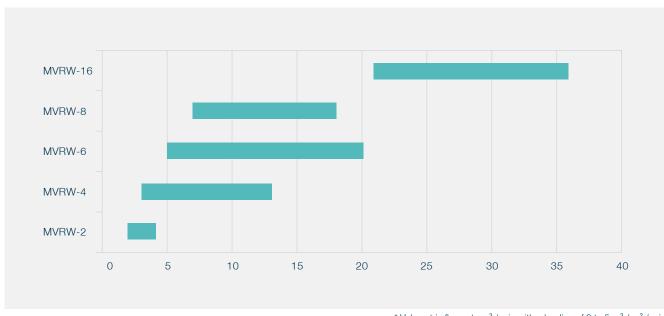
When the Small Filter is installed horizontally, the filter bags (sleeves) are easily accessible from the top and can be exchanged with greater ease.

Options:

- Mount-on fan
- Hoppers (horizontal version)



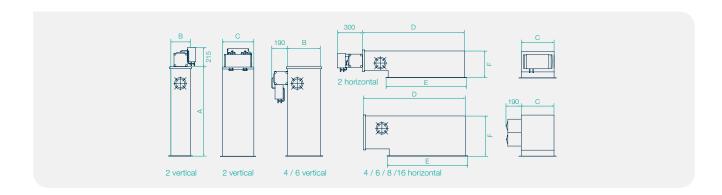
Volumetric flow rate diagram MVRW rectangular*.



 * Volumetric flow rate m^3 / min with a loading of 3 to 5 m^3 / m^2 / min

Small filter, rectangular.

Technical specifications.



Rectangular filter	Filter bags	Filter bag length (mm)	Filter area (m²)		
	2	800	0.6		
	2	1200	0.9		
		800	1.2		
	4	1200	1.8		
		1800	2.7		
		800	1.8		
	6	1200	2.7		
		1800	4.1		
	8	800	2.4		
	0	1200	3.6		
	16	1200	7.2		

* Available in mild steel only

Specifications.

	MVRW	Net weight	A	В	С	D	E	F
		Kg	mm	mm	mm	mm	mm	mm
Horizontal and vertical	2/8	50	1050	220	370	1220	930	300
	2/12	60	1450	220	370	1620	1330	300
	4/8	70	1210	370	370	1220	930	450
	4/12	80	1610	370	370	1620	1330	450
	4/18	100	2210	370	370	2220	1930	450
	6/8	90	1210	370	520	1220	930	450
	6/12	100	1610	370	520	1620	1330	450
Vertical only	6/18	115	2210	370	520	-	-	450
Horizontal only	8/8	100	-	-	670	1220	930	450
	8/12	110	-	-	670	1620	1330	450
	16/12	180	-	-	670	1620	1330	750

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