

Large High-Pressure Filter **MVRU**

BUHLER
Filtration & Test '07

• 100 µm TAP
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High separation degree

Dust-free air

The large filter MVRU for cleaning dust-laden air can be used for a variety of processes. As a result of the high separation degree, the filter fully meets environmental protection regulations.

Pressure shock-resistant design

The large filter is pressure shock-resistant up to +0.7 bar. It is ideally suited for hazardous areas due to its passive pressure release, which uses a rupture disc and flame quench or discharge duct.

Minimal dust residue

The dust particles are first separated through centrifugal force using a tangential raw gas inlet. The subsequent filtering elements assure that the remaining dust residue is a maximal 20mg/m³.

Dust-free operation

The high-quality finished filter withstands an operating pressure of +/- 0.2 bar. This allows large volumes of air (50–600m³/min) to be cleaned.

Wide range of applications

The modular filter construction enables it to be used as an aspiration filter, a bin-top filter or a total separator. Various sizes allow for a wide range of possible applications. The filters are suitable for use in buildings, as well as outdoors.

Filter control



FIL-Tronic



Included ●
Optional ○

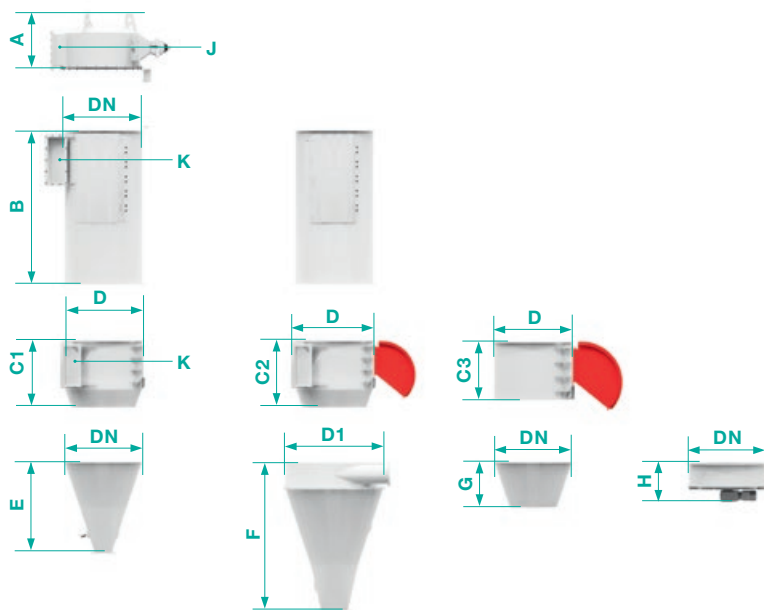


Benefits

- Pressure shock-resistant design up to +0.7 bar
- Minimal dust residue
- Dust-free operation
- Wide range of applications

Modular filter construction

Maximum flexibility



- A** Filter head
- B** Hose compartment
- C** Intermediate section with intake
- DN** Diameter
- D** Diameter of intermediate section
- D1** Diameter total separator
- E** Aspiration cone
- F** Total separator cone
- G** Cone to vibro-discharge
- H** Discharge base
- J** Air outlet (H×B)
- K** Air inlet (H×B)

		21	32	46	61	93	116
Bag length (dm)		18 24 30	18 24 30	18 24 30	18 24 30	18 24 30	18 24 30
Filter area (m²)		13,4 18,1 21,1	20,4 27,5 32,0	29,5 39,6 46,0	39,1 52,5 61,0	59,6 80,8 93,0	73,6 99,8 116,0
Filter head	A	720	720	720	720	720	720
Hose compartment	B	1990 2530 3130	1990 2530 3130	1990 2530 3130	1990 2530 3130	1990 2530 3130	1990 2530 3130
Intermediate part with inlet	C1	990	990	1140	1140	1290	1290
Ex intermediate part with inlet	C2	1040	1040	1290	1290	1290	1290
Ex intermediate part without inlet	C3	750	750	1000	1000	1000	1000
Inner diameter	DN	1000	1140	1340	1500	1840 / 1500 ³⁾	2020 / 1500 ³⁾
Inner diameter intermediate section	D	1200	1340	1540	1700	2040	2220
Aspiration cone	E ¹⁾	1190	1380	1660	1800	2430	2540
Total separator	F ¹⁾	1930	2250	2740	2990	3700	–
Inner diameter of total separator	D1	1280	1510	1740	1970	2360	–
Cone	G ²⁾	310	500	770	890	1450	1720
Discharge base	H ¹⁾	620	620	620	620	1010	1180
Air outlet (H×B)	J	424×450	424×600	424×750	424×950	424×1400	424×1900
Air inlet (H×B)	K	590×215	590×270	740×300	740×360	890×500	890×550

Versions

- All parts in contact with the product are stainless steel
- Stainless steel filter
- Mild steel

¹⁾ on MPSN/S/T and MPSH/J

²⁾ on MFVH/K

³⁾ with cone

Options

- Various qualities of filter hoses (standard conduction)



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