



# Large High-Pressure Filter **MVRU**

**BUHLER**  
FL-Tronic 10 A TEX 10V  
UXE-3616-010  
4.30 MPa T&C  
SWS 02 E 141  
# 03016 001 10000  
Minimum Temp. 20-180°C  
10.00V, 60

# 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/m<sup>3</sup>.

### Dust-free operation

The high-quality finished filter withstands an operating pressure of +/- 0.2 bar. This allows large volumes of air (50–600m<sup>3</sup>/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 

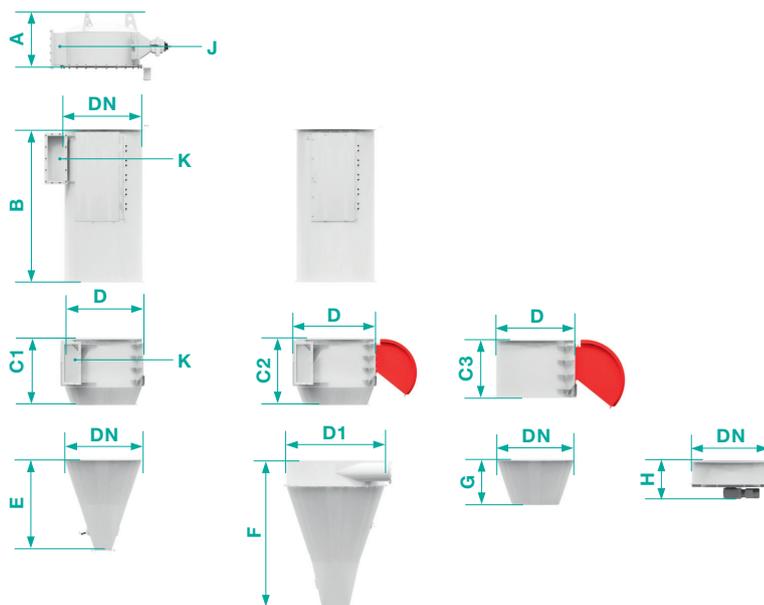


### Benefits

- 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
<b>Bag length (dm)</b>		18   24   30	18   24   30	18   24   30	18   24   30	18   24   30	18   24   30
<b>Filter area (m<sup>2</sup>)</b>		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
<b>Filter head</b>	<b>A</b>	720	720	720	720	720	720
<b>Hose compartment</b>	<b>B</b>	1990   2530   3130	1990   2530   3130	1990   2530   3130	1990   2530   3130	1990   2530   3130	1990   2530   3130
<b>Intermediate part with inlet</b>	<b>C1</b>	990	990	1140	1140	1290	1290
<b>Ex intermediate part with inlet</b>	<b>C2</b>	1040	1040	1290	1290	1290	1290
<b>Ex intermediate part without inlet</b>	<b>C3</b>	750	750	1000	1000	1000	1000
<b>Inner diameter</b>	<b>DN</b>	1000	1140	1340	1500	1840 / 1500 <sup>3)</sup>	2020 / 1500 <sup>3)</sup>
<b>Inner diameter intermediate section</b>	<b>D</b>	1200	1340	1540	1700	2040	2220
<b>Aspiration cone</b>	<b>E</b> <sup>1)</sup>	1190	1380	1660	1800	2430	2540
<b>Total separator</b>	<b>F</b> <sup>1)</sup>	1930	2250	2740	2990	3700	–
<b>Inner diameter of total separator</b>	<b>D1</b>	1280	1510	1740	1970	2360	–
<b>Cone</b>	<b>G</b> <sup>2)</sup>	310	500	770	890	1450	1720
<b>Discharge base</b>	<b>H</b> <sup>1)</sup>	620	620	620	620	1010	1180
<b>Air outlet (H×B)</b>	<b>J</b>	424×450	424×600	424×750	424×950	424×1400	424×1900
<b>Air inlet (H×B)</b>	<b>K</b>	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

<sup>1)</sup> on MPSN/S/T and MPSH/J

<sup>2)</sup> on MFVH/K

<sup>3)</sup> with cone

### Options

- Various qualities of filter hoses (standard conduction)



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Flyer Large High-Pressure Filter MVRU en 0117 ZACC