



Large High-Pressure Filter **MVTC**

BUHLER

Filtering Solutions for the Food & Beverage Industry

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High separation degree

Dust-free air

Large filter 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.

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 +/- 0.2bar. 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



	CE	ATEX	Ap	
FIL-Compact	●	—	—	Included ●
FIL-Tronic	●	●	○	Optional ○

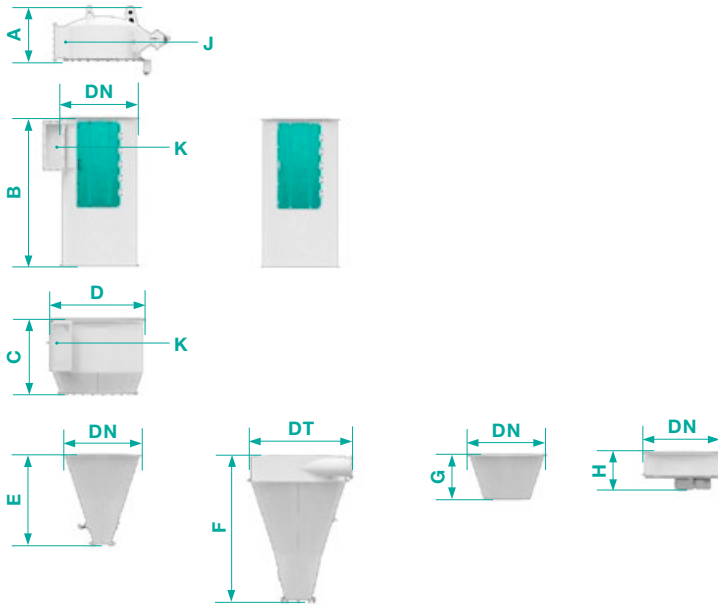


Benefits

- 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
- DT** 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 section	C	990	990	1140	1140	1290	1290
Inner diameter	DN	1000	1140	1340	1500	1840	2020
Inner diameter intermediate section	D	1200	1340	1540	1700	2040	2220
Aspiration cone	E¹⁾	1190	1380	1660	1800	2430	2540
Total separator	F¹⁾	1930	2250	2740	2990	3700	–
Inner diameter of total separator	DT	1280	1510	1740	1970	2360	–
Cone	G²⁾	310	500	770	890	1450	1720
Discharge base	H¹⁾	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

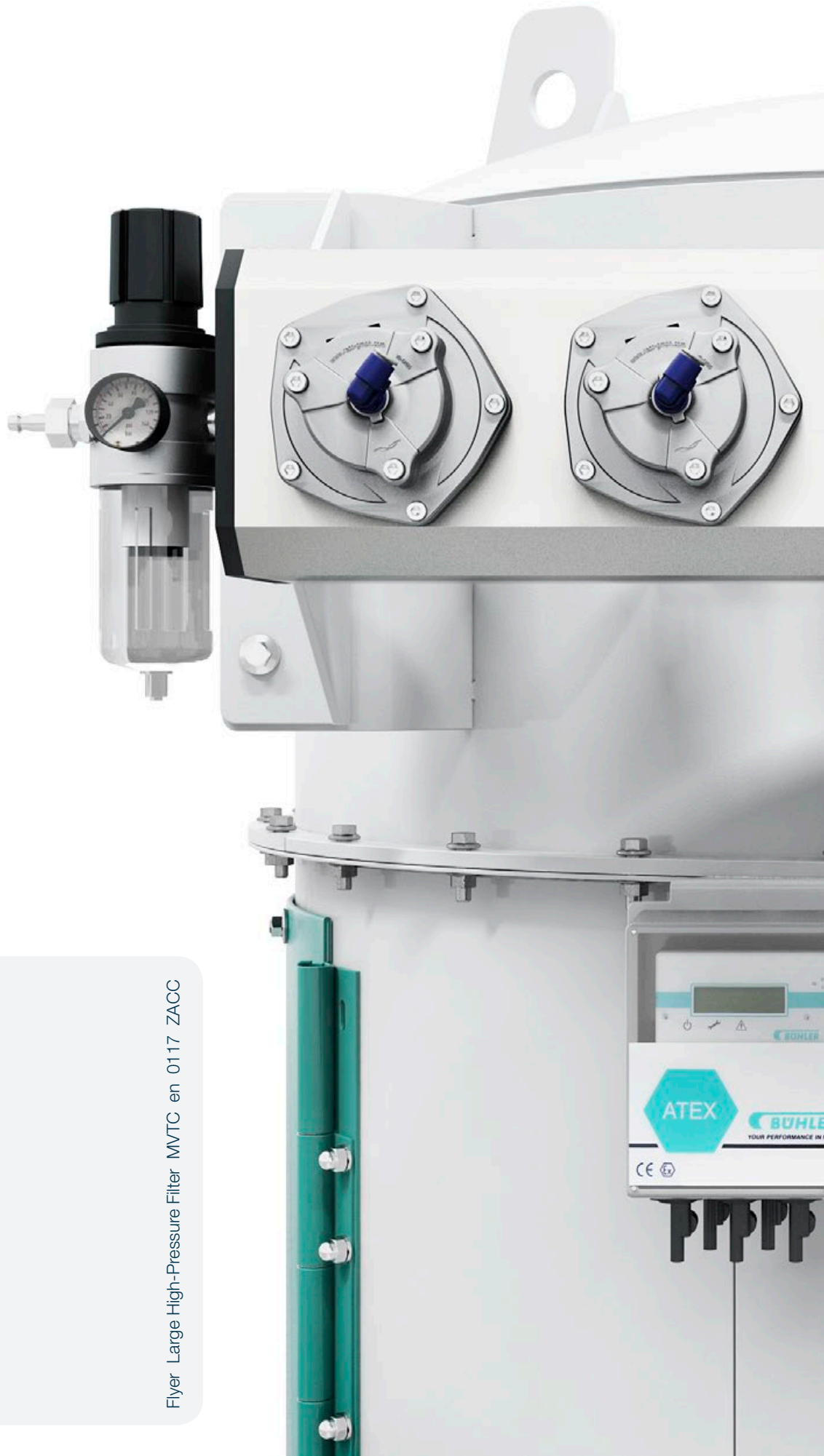
- All parts in contact with the product are stainless steel
- Stainless steel filter
- Mild steel

¹⁾ on MPSN/S/T and MPSH/J

²⁾ on MFVH/K

Options

- Various qualities of filter hoses (standard conduction)



Bühler AG

Gupfenstrasse
CH-9240 Uzwil, Switzerland

T +41 71 955 11 11

F +41 71 955 66 11

milling@buhlergroup.com
buhlergroup.com/milling

Flyer Large High-Pressure Filter MVTC en 0117 ZACC