

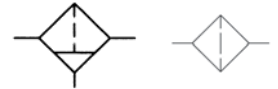


## Fine filters

Size 0

**G 1/4**
**FV 06 / FM 06 / FA 06**

**Pre-filter**      0.3 µm  
**Micro-filter**    0.01 µm



### Characteristics

Type	FV 06	FM 06	FA 06
Port	<b>G 1/4</b>		
Type of construction	<b>Pre-filter</b> 0.3 µm	<b>Micro-filter</b> 0.01 µm	<b>Activated carbon filter</b>
Mounting position	Vertical, drain plug at bottom		
Input pressure p <sub>1</sub>	<b>Max. 16 bar</b> <b>Max. 10 bar</b> with fully automatic drain		
Dust separation	>0.3 µm / 99.999%	>0.01 µm / 99.999%	
Residual oil content		0.01 mg/m <sup>3</sup>	0.005 mg/m <sup>3</sup>
Temperature Ambient / medium	Max. 60°C (other temperature ranges on request)		
Nominal flow Q <sub>n</sub>	160 l/min	450 l/min	380 l/min
Δp*	0.02 bar	0.09 bar	0.2 bar
Bowl capacity	Max. 16 cm <sup>3</sup>		
Condensate drain	Semi-automatic (standard) Manual on request		/
Mounting type	In-line, bracket kit		
Weight [g]	0.230		

\*See overleaf for flow rate equation

### Ordering information

Options	
<b>K(-HA)</b>	Plastic bowl
<b>M</b>	Metal bowl
<b>Order example:</b> FV 06 <b>K-HA</b> → Pre-filter with plastic bowl and semi-automatic condensate drain valve	

### Description

- Block design
- Simple block mounting of several devices with conical clamps (**no tools required**)
- Coupler packs (**KP 05**) are required for modular assembly of several devices  
→ p<sub>1</sub> max. = 12 bar
- Flow direction indicated by arrows
- **Entry in direction of arrow**
- Bowl guard **not possible**

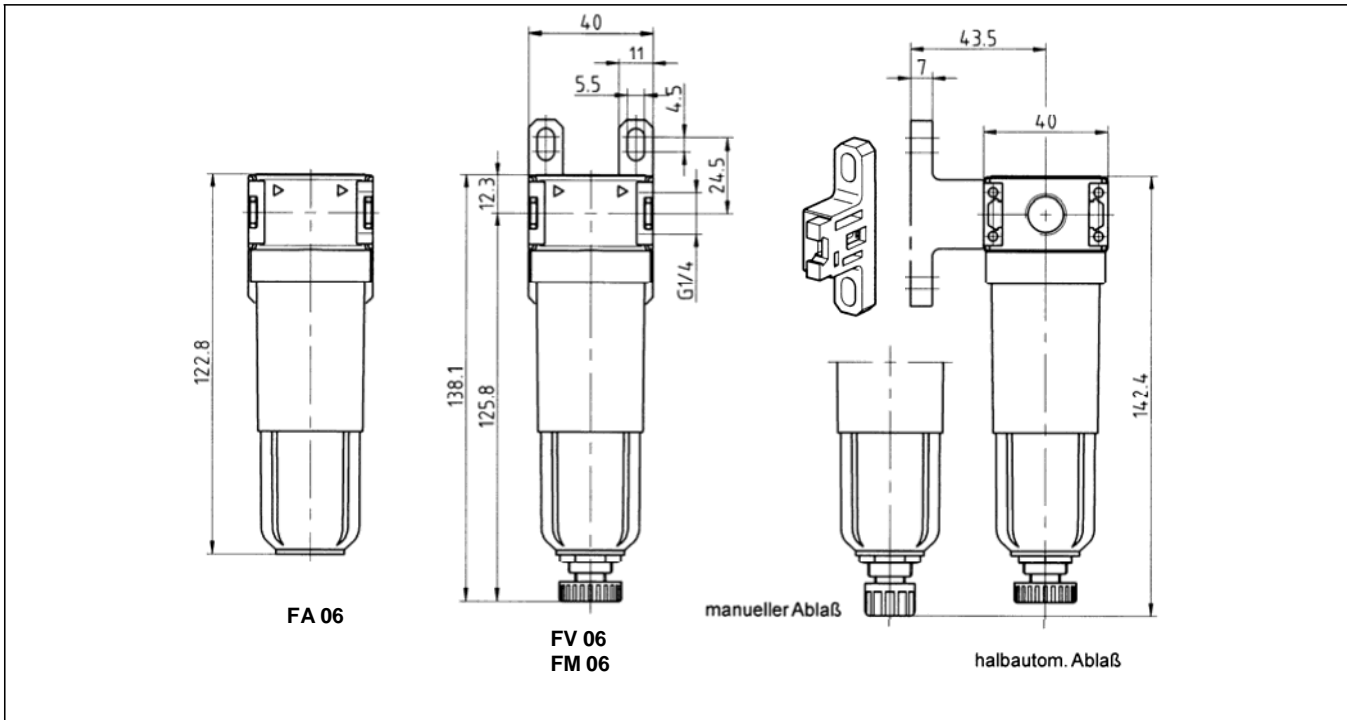
### Materials

Designation	Material
Head piece	Zinc – Z 410
O-ring 30 x 2	NBR
O-ring 10.8 x 1.2	NBR
Pre-filter element	Paper – POM
Micro-filter element	Borosilicate – POM
Activated carbon element	Activated carbon – POM
Condensate bowl	Polycarbonate
Oil bowl	Polycarbonate

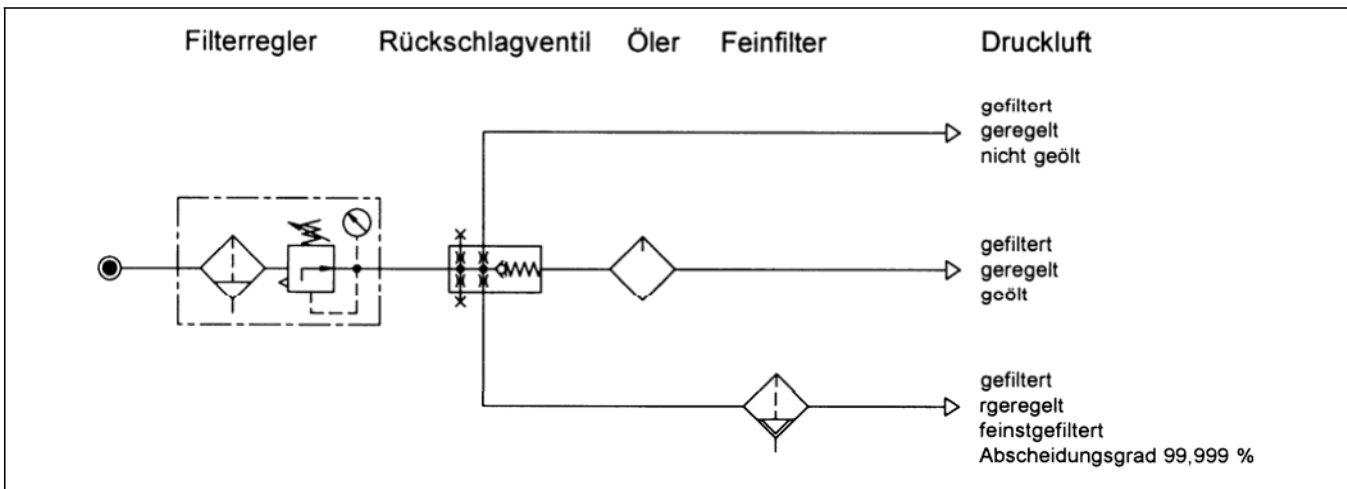
### Filter elements

Designation	Part No.
<b>P</b> re-filter element	<b>V 23/60</b>
<b>M</b> icro-filter element	<b>M 23/60</b>
<b>A</b> ctivated carbon element	<b>A 23/80</b>

Dimensions [mm]



Typical application



Flow rates

Required flow  $Q = \text{nominal flow } Q_n \times \text{correction factor } f \rightarrow Q = Q_n \times f$

p [bar]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
f	0.46	0.6	0.68	0.77	0.85	0.93	1	1.07	1.11	1.17	1.23	1.28	1.32	1.36	1.4	1.46

Accessories

Designation	Part No.
Bracket kit	ZW 05
Polycarbonate bowl ( FV / FM )	KS 11 F-HA
Polycarbonate bowl ( FA )	KS 11 N
Coupler pack (max. 12 bar)	KP 05