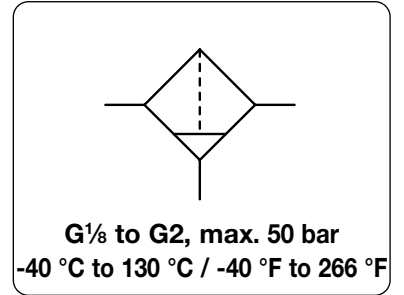


# COMPRESSED AIR FILTER MADE OF BRASS, UP TO 50 BAR

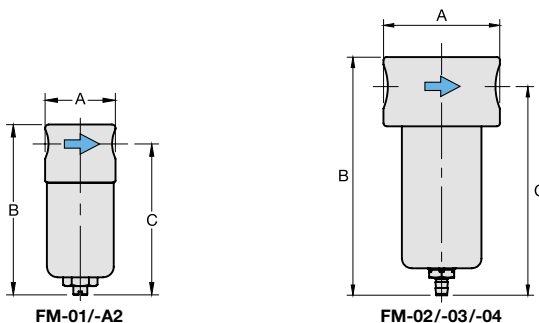
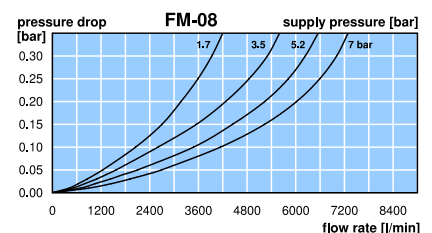
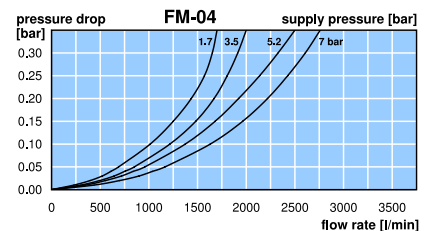
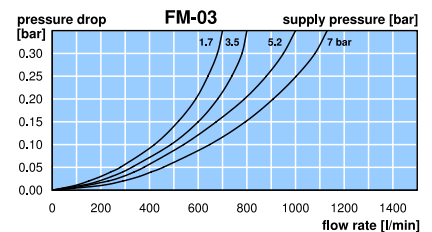
FM

<b>Description</b>	Filter with bowl without sight glass, extremely robust, for compressed air, non-corrosive gases or liquids.	
<b>Filter element</b>	50 µm, optionally 5 µm, made of stainless steel	<b>Bowl</b> stainless steel version without sight glass
<b>Drainage</b>	screw plug as standard optionally for compressed air only: manual drain (max. 30 bar), automatic drain (max. 16 bar)	
<b>Operating pressure</b>	max. 50 bar (without drain), optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar)	
<b>Temperature range</b>	0 °C to 80 °C / 32 °F to 140 °F, for FKM or EPDM, 0 °C to 130 °C / 32 °F to 266 °F, for high temperature version, for appropriately conditioned compressed air down to -20 °C / -4 °F or low temperature version down to -40 °C / -40 °F	
<b>Material</b>	Body: brass Bowl: stainless steel 316L, material no 1.4404, brass at FM-01/-A2 Elastomer: FKM, optionally EPDM Inner valve: brass and plastic (not at high temperature version)	



Dimensions			Bowl	Flow	Supply	Filter	Connection	Order
A	B	C	Design	Capacity	rate	max.	element	number
mm	mm	mm	made of	l	m <sup>3</sup> /h*1	l/min*1	µm	G

Brass filter			with screw plug, operating pressure max. 50 bar, 50 µm				FM			
40	92	81	brass	0.03	45	750	50	50	G <sup>1</sup> / <sub>8</sub>	<b>FM-01</b> <b>FM-01G</b>
40	92	81	brass	0.03	45	750	50	50	G <sup>1</sup> / <sub>4</sub>	<b>FM-A2</b> <b>FM-A2G</b>
64	140	125	stainless steel	0.14	54	900	50	50	G <sup>1</sup> / <sub>4</sub>	<b>FM-02</b> <b>FM-02G</b> <b>FM-02I</b>
64	140	125	stainless steel	0.14	60	1000	50	50	G <sup>3</sup> / <sub>8</sub>	<b>FM-03</b> <b>FM-03G</b> <b>FM-03I</b>
79	150	130	stainless steel	0.20	150	2500	50	50	G <sup>1</sup> / <sub>2</sub>	<b>FM-04</b> <b>FM-04G</b> <b>FM-04I</b>
137	189	168	stainless steel	0.50	432	7200	50	50	G <sup>3</sup> / <sub>4</sub>	<b>FM-06</b> <b>FM-06G</b> <b>FM-06I</b>
137	189	168	stainless steel	0.50	432	7200	50	50	G1	<b>FM-08</b> <b>FM-08G</b> <b>FM-08I</b>
241	189	168	stainless steel	0.50	432	7200	50	50	G <sup>1</sup> / <sub>4</sub>	<b>FM-10</b> <b>FM-10G</b> <b>FM-10I</b>
241	189	168	stainless steel	0.50	432	7200	50	50	G <sup>1</sup> / <sub>2</sub>	<b>FM-1A</b> <b>FM-1AG</b> <b>FM-1AI</b>
180	297	215	stainless steel	1.00	900	15000	50	50	G <sup>1</sup> / <sub>2</sub>	<b>FM-12</b> <b>FM-12G</b>
180	297	215	stainless steel	1.00	960	16000	50	50	G2	<b>FM-16</b> <b>FM-16G</b>



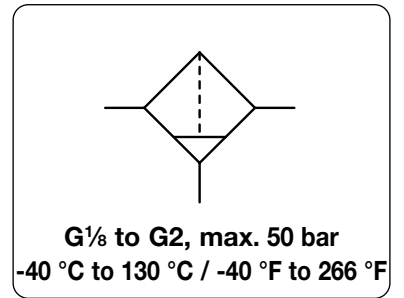
\*1 at 7 bar operating pressure and 0.33 bar pressure drop

**Extensions:** see chapter for FRL service units  
**Spare parts:** see separate spare parts list

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**Order example:**  
**FM-01**

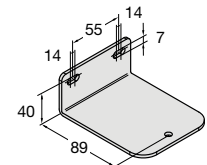
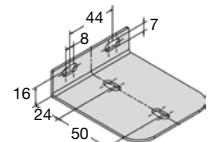
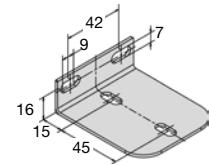
<b>Description</b>	Filter with bowl without sight glass, extremely robust, for compressed air, non-corrosive gases or liquids.	
<b>Filter element</b>	50 µm, optionally 5 µm, made of stainless steel	<b>Bowl</b> stainless steel version without sight glass
<b>Drainage</b>	screw plug as standard optionally for compressed air only: manual drain (max. 30 bar), automatic drain (max. 16 bar)	
<b>Operating pressure</b>	max. 50 bar (without drain), optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar)	
<b>Temperature range</b>	0 °C to 80 °C / 32 °F to 140 °F, for FKM or EPDM, 0 °C to 130 °C / 32 °F to 266 °F, for high temperature version, for appropriately conditioned compressed air down to -20 °C / -4 °F or low temperature version down to -40 °C / -40 °F	
<b>Material</b>	Body: brass Bowl: stainless steel 316L, material no 1.4404, brass at FM-01/-A2 Elastomer: FKM, optionally EPDM Inner valve: brass and plastic (not at high temperature version)	



Dimensions			Bowl	Flow	Supply	Filter	Connection	Order
A	B	C	Design	Capacity	rate	element	thread	number
mm	mm	mm	made of	l	m <sup>3</sup> /h*1	l/min*1	µm	G

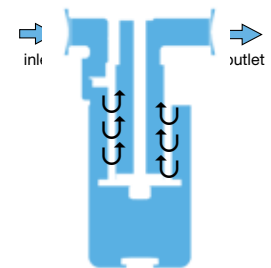
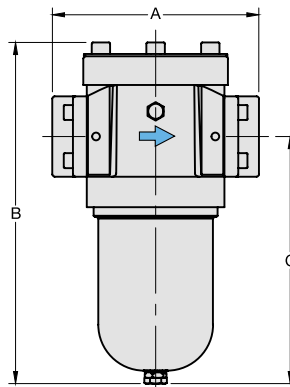
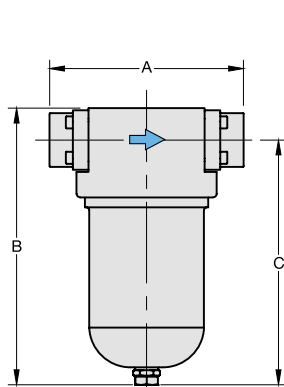
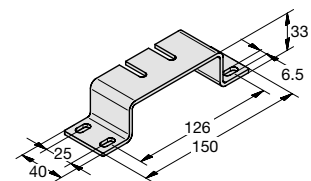
### Special options, add the appropriate letter

<b>NPT</b>	connection thread	for G <sup>1</sup> / <sub>8</sub> to G <sup>3</sup> / <sub>4</sub>	to G <sup>1</sup> / <sub>2</sub> , G1 <sup>1</sup> / <sub>2</sub> (12) and G2 to G1 <sup>1</sup> / <sub>2</sub> (1A)	FM-..N
<b>P1: max. 80 bar down to -40 °C up to 130 °C</b>	low temperature version			FM-..X48
<b>manual drain</b>	max. 30 bar			FM-..X51
<b>automatic drain</b>	made of SST, max. 16 bar	for G <sup>1</sup> / <sub>4</sub> (02)		FM-..X54
<b>EPDM-elastomer</b>				FM-..H
<b>carbon dioxide</b>	CO <sub>2</sub>			FM-..R
<b>argon</b>	Ar			FM-..E
<b>nitrogen</b>	N <sub>2</sub>			FM-..03
<b>helium</b>	He			FM-..05
<b>hydrogen</b>	H <sub>2</sub>			FM-..07
<b>methane</b>	CH <sub>4</sub>			FM-..09
<b>oxygen</b>	O <sub>2</sub>			FM-..11
<b>propane</b>	C <sub>3</sub> H <sub>6</sub>			FM-..13
<b>nitrous oxide</b>	N <sub>2</sub> O			FM-..15
<b>for water</b>	50 µm only	for G <sup>1</sup> / <sub>4</sub> (02) to G2		FM-..16
<b>flange connection</b>	see chapter for stainless steel devices / flanges			FM-..17
				FM-..W
				FM-..F.



### Accessories, enclosed

<b>mounting bracket</b>	made of stainless steel	for G <sup>1</sup> / <sub>4</sub> (02) and G <sup>3</sup> / <sub>8</sub> for G <sup>1</sup> / <sub>2</sub>	<b>BW00-17S</b>
		for G <sup>3</sup> / <sub>4</sub> to G1 <sup>1</sup> / <sub>2</sub> (1A)	<b>BW00-18S</b>
		for G <sup>1</sup> / <sub>2</sub> (12) and G2	<b>BW00-19S</b>
<b>set of brackets</b>	made of steel		<b>BW00-61</b>



\*1 at 7 bar operating pressure and 0.33 bar pressure drop

**Extensions:** see chapter for FRL service units  
**Spare parts:** see separate spare parts list

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**Order example:**  
**BW00-17S**