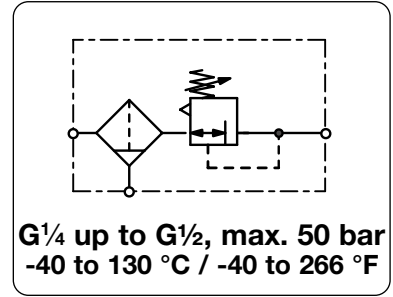


<b>Description</b>	Filter pressure regulator made of solid brass, with bowl without sight glass. The control system is a membrane.		
<b>Media</b>	compressed air, non-corrosive gases or liquids		
<b>Supply pressure</b>	max. 50 bar (without drain)	<b>Relieving function</b>	relieving, optionally non-relieving
<b>Adjustment</b>	by black plastic knob at size G $\frac{1}{4}$ ,	by T-handle with locknut at G $\frac{1}{2}$	
<b>Gauge port</b>	G $\frac{1}{4}$ on both sides of the body, one screw plug supplied		
<b>Filter element</b>	50 $\mu$ m, optionally 5 $\mu$ m, made of stainless steel		
<b>Bowl</b>	stainless steel version without sight glass		
<b>Drainage</b>	screw plug as standard, optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar)		
<b>Temperature range</b>	0 °C to 80 °C / 32 °F to 176 °F for FKM 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 Diaphragm: NBR/Buna-N with PTFE coating Knob: plastic at sizes G $\frac{1}{4}$ , brass at G $\frac{1}{2}$	Bowl: stainless steel 316L / material no. 1.4404 O-rings: FKM Inner valve: brass and plastic (not at option X54)	



Dimensions			Bowl-	Flow	Connection	Order
A	B	C	Design	rate	thread	number
mm	mm	mm	made of	m <sup>3</sup> /h*1	G	

Brass filter regulator							with screw plug, relieving, without gauge, 50 $\mu$ m filter element	BM
							supply pressure max. 50 bar, pressure range 0.5...8 bar	
64	220	123	stainless steel	0,17	84	1400	G $\frac{1}{4}$	BM-02
79	247	127	stainless steel	0,28	228	3800	G $\frac{1}{2}$	BM-04



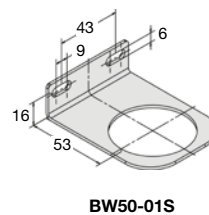
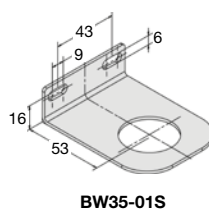
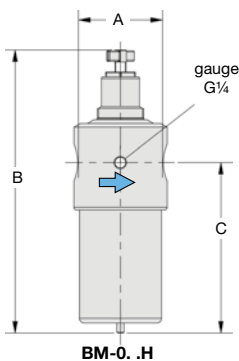
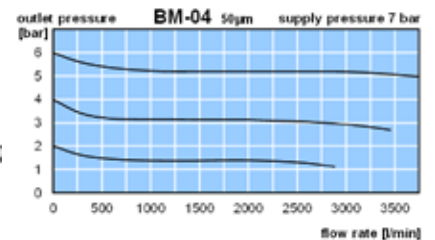
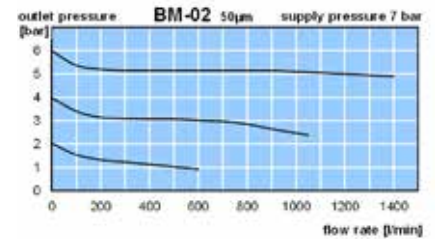
### Special options, add the appropriate letter

5 $\mu$ m filter element								BM- . . G
0.2... 3 bar range								BM- . . B
1 ...15 bar range								BM- . . D
manual drain			max. 30 bar					BM- . . H
automatic drain			made of stainless steel, max. 16 bar				for G $\frac{1}{4}$ (02) to G $\frac{1}{2}$	BM- . . R
non-relieving			without relieving function					BM- . . K
down to -40 °C / -40 °F			low temperature version					BM- . . X51
up to 130 °C / 266 °F			high temperature version					BM- . . X54
flange connection			see chapter for stainless steel devices / flanges					BM- . . F
T-handle			instead of adjusting knob				for G $\frac{1}{4}$	BM- . . T
nitrogen N <sub>2</sub> : 07			carbon dioxide CO <sub>2</sub> : 03				argon Ar:	BM- . . 05
helium He: 09			hydrogen H <sub>2</sub> : 11				methane CH <sub>4</sub> :	BM- . . 13
oxygen O <sub>2</sub> : 15			propane C <sub>3</sub> H <sub>8</sub> : 16				nitrous oxide N <sub>2</sub> O:	BM- . . 17



### Accessories, enclosed

pressure gauge	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	MA5002- . . *2
gauge -40 °C/-40°F to 130 °C/266 °F	Ø . . mm, 0...*2 bar, G $\frac{1}{4}$	MS6302- . . *2
mounting bracket	made of stainless steel for G $\frac{1}{4}$	BW35-01S
mounting nut		M35x1,5S
mounting bracket	made of stainless steel for G $\frac{1}{2}$	BW50-01S
mounting nut		M50x1,5S



\*1 at 7 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop      \*2 04 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar

Extensions: see chapter for FRL service units  
Gauges: see chapter for measuring devices  
Spare parts: see separate spare parts list

PDF CAD  
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Order example:  
**BM-02**