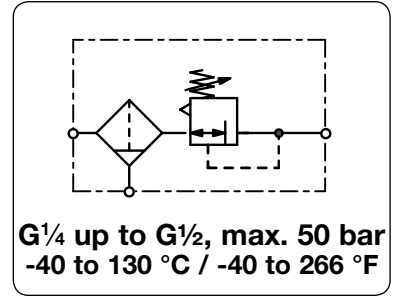


Description	Filter pressure regulator made of solid brass, with bowl without sight glass. The control system is a membrane.		
Media	compressed air, non-corrosive gases or liquids		
Supply pressure	max. 50 bar (without drain)	Relieving function	relieving, optionally non-relieving
Adjustment	by black plastic knob at size G $\frac{1}{4}$,	by T-handle with locknut at G $\frac{1}{2}$	
Gauge port	G $\frac{1}{4}$ on both sides of the body, one screw plug supplied		
Filter element	50 μ m, optionally 5 μ m, made of stainless steel		
Bowl	stainless steel version without sight glass		
Drainage	screw plug as standard, optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar)		
Temperature range	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		
Material	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 ³ /h*1	G	

Brass filter regulator							with screw plug, relieving, without gauge, 50 μ m filter element supply pressure max. 50 bar, pressure range 0.5...8 bar	BM
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



BM-02
accessory: gauge

Special options, add the appropriate letter

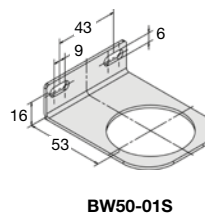
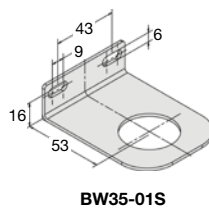
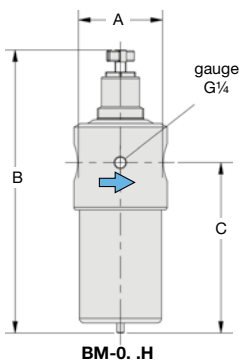
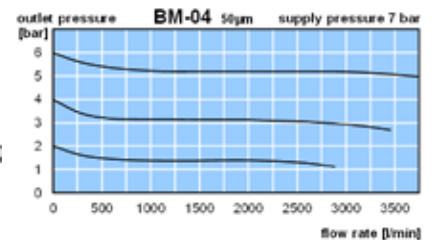
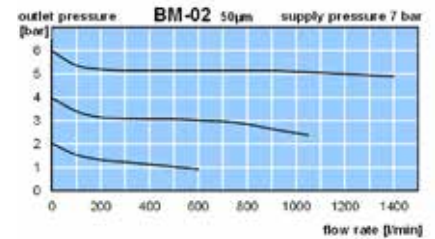
5 μ m filter element								BM- . . G
0.2... 3 bar range								BM- . . B
1 ...15 bar range								BM- . . D
manual drain			max. 30 bar					BM- . . H
automatic drain			made of stainless steel, max. 16 bar				for G $\frac{1}{4}$ (02) to G $\frac{1}{2}$	BM- . . R
non-relieving			without relieving function					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 $_2$: 07			carbon dioxide CO $_2$: 03				argon Ar:	BM- . . 05
helium He: 09			hydrogen H $_2$: 11				methane CH $_4$:	BM- . . 13
oxygen O $_2$: 15			propane C $_3$ H $_8$: 16				nitrous oxide N $_2$ O:	BM- . . 17



BM-04

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
www.aircom.net

Order example:
BM-02