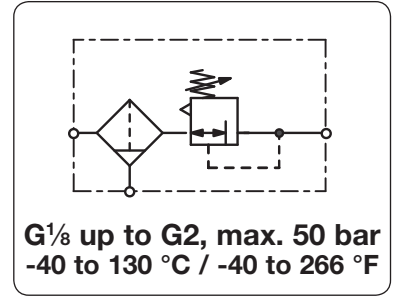


Description	Filter pressure regulator made of solid brass, with bowl without sight glass.		
Media	compressed air, non-corrosive gases or liquids		
Supply pressure	max. 50 bar (without drain)		
Adjustment	by black plastic knob at sizes G $\frac{1}{8}$ to G $\frac{3}{8}$,	Relieving function relieving, optionally non-relieving	
Gauge port	G $\frac{1}{4}$ or G $\frac{3}{8}$ at BM-01 and BM-A2, on both sides of the body, one screw plug supplied	by T-handle with locknut at G $\frac{1}{2}$ to G2	
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 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		
Material	Body: brass	Bowl: stainless steel 316L / material no. 1.4404	
	Diaphragm: NBR/Buna-N with PTFE coating	O-rings: FKM, optionally EPDM	
	Knob: plastic at sizes G $\frac{1}{8}$ to G $\frac{3}{8}$, brass at G $\frac{1}{2}$ to G2		
	Inner valve: brass and plastic (not at option X54)		



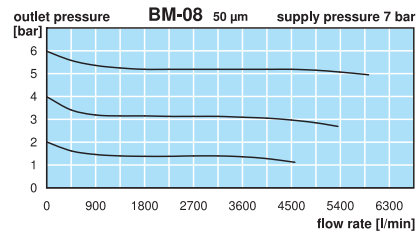
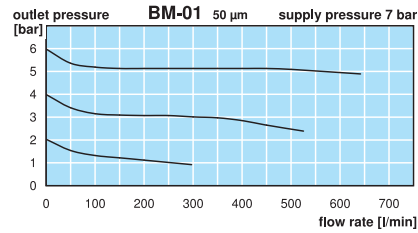
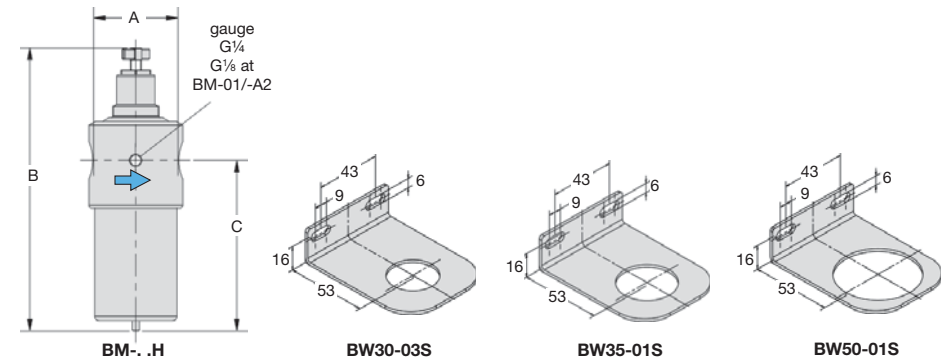
Dimensions			Bowl	Regulating System	Flow	Connection	Order
A	B	C	Design	Capacity	D = diaphragm	rate	number
mm	mm	mm	made of	l	P = piston	m 3 /h*1 l/min*1	thread

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
40	150	80	brass	0.03	D	36	600	G $\frac{1}{8}$		BM-01
						36	600	G $\frac{1}{4}$		BM-A2
64	220	123	stainless steel	0.17	D	84	1400	G $\frac{1}{4}$		BM-02
						96	1600	G $\frac{3}{8}$		BM-03
79	247	127	stainless steel	0.28	D	228	3800	G $\frac{1}{2}$		BM-04
						240	4000	G $\frac{3}{4}$		BM-A6
99	295	168	stainless steel	0.58	P	360	6000	G $\frac{3}{4}$		BM-06
						360	6000	G1		BM-08
200	470	224	stainless steel	1.00	P	720	12000	G1 $\frac{1}{2}$		BM-12
						720	12000	G2		BM-B6

Special options, add the appropriate letter			
5 μ m filter element	for G $\frac{1}{4}$ (02) to G $\frac{3}{4}$ (A6)	for G $\frac{3}{4}$ (06) and G1 for G1 $\frac{1}{2}$ and G2	BM-0 . G BM- . . G
NPT	connection thread		BM- . . N
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 G2	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
EPDM elastomer			BM- . . E
flange connection	see chapter for stainless steel devices / flanges		BM- . . F
T-handle	instead of adjusting knob	for G $\frac{1}{8}$ to G $\frac{3}{8}$	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



Accessories			
pressure gauge	\varnothing 40 mm, 0...*2 bar, G $\frac{1}{8}$	for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	MA4001- . . *2
	\varnothing 50 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{1}{4}$ (02) up to G $\frac{3}{4}$ (A6)	MA5002- . . *2
	\varnothing 63 mm, 0...*2 bar, G $\frac{1}{2}$	for G $\frac{3}{4}$ (06) up to G2	MA6302- . . *2
gauge -40 °C/-40 °F to 130 °C/266 °F	\varnothing . . mm, 0...*2 bar, G $\frac{1}{4}$		MS6302- . . *2
mounting bracket	made of stainless steel	for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	BW30-03S
mounting nut			M30x1,5S
mounting bracket	made of stainless steel	for G $\frac{1}{4}$ (02) to G $\frac{3}{8}$	BW35-01S
mounting nut			M35x1,5S
mounting bracket	made of stainless steel	for G $\frac{1}{2}$ up to G1	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

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Order example: BM-01