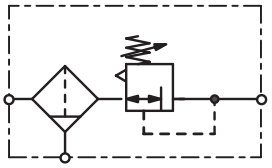
Filter Regulator Made of Brass, up to 50 bar — BM

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)
Relieving function	relieving, optionally non-relieving
Adjustment	by black plastic knob at sizes G⅛ to G⅜, by T-handle with locknut at G½ to G2
Gauge port	G¼ or G⅛ at BM-01 and BM-A2, on both sides of the body, one screw plug supplied
Filter element	50 µm, optionally 5 µm, 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 60 °C / 32 °F to 140 °F for NBR/FKM or EPDM -40 °C bis 60 °C / -40 °F to 140 °F for low temp. version 0 °C to 130 °C / 32 °F to 176 °F for high temperature version for appropriately conditioned compressed air down to -20 °C / -4 °F
Material	Body: brass Bowl: stainless steel 316L / material no. 1.4404 Diaphragm: NBR/Buna-N with PTFE coating, O-rings: NBR/Buna-N, optionally EPDM or FKM Knob: plastic at sizes G⅛ to G⅜, brass at G½ to G2 Inner valve: brass and plastic (not at option X54)



G⅛ to G2, max. 50 bar
-40 to 130 °C / -40 to 266 °F

Dimensions A mm	B mm	C mm	Bowl Design made of	Capacity l	Regulating system D = diaphragm P = piston	Flow rate m³/h*1	l/min*1	Connection thread G	Order number
Brass filter regulator with screw plug, relieving, without gauge, supply pressure max. 50 bar, 50 µm filter element, 0.5 ... 8 bar									**BM**
40	188	116	stainless steel	0.04	D	36	600	G⅛	**BM-01**
						36	600	G¼	**BM-A2**
65	240	140	stainless steel	0.17	D	84	1400	G¼	**BM-02**
						96	1600	G⅜	**BM-03**
78	270	152	stainless steel	0.28	D	228	3800	G½	**BM-04**
						240	4000	G¾	**BM-A6**
90	360	207	stainless steel	0.58	P	360	6000	G¾	**BM-06**
						360	6000	G1	**BM-08**
210	540	450	stainless steel	1.00	P	720	12000	G1½	**BM-12**
						720	12000	G2	**BM-16**

BM-03H, accessory: gauge

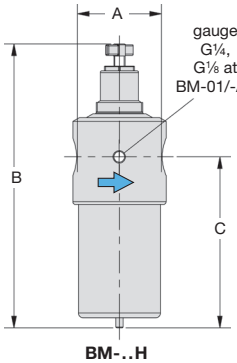
BM-06H, accessory: gauge

Special options, add the appropriate letter

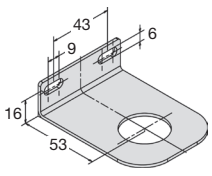
5 µm filter element	for G¼ (02) to G¾ (A6)				for G¾ (06) and G1	BM-0 . **G**
					for G1½ and G2	BM- . . **G**
NPT	connection thread					BM- . . **N**
0.2... 3 bar range						BM- . . **B**
1 ...15 bar range						BM- . . **D**
manual drain	max. 30 bar					BM- . . **H**
automatic drain	made of stainless steel, max. 16 bar				for G¼ (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**
FKM elastomer						BM- . . **V**
flange connection	see chapter for stainless steel devices / flanges					BM- . . **F.**
T-handle	instead of adjusting knob				for G⅛ to G⅜	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_3H_6: **16**	**nitrous oxide**	N_2O:	BM- . . **17**

Accessories, enclosed

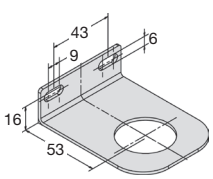
pressure gauge	Ø 40 mm, 0 ...*2 bar, G⅛	for G⅛ and G¼ (A2)	**MA4001- . . *2**
	Ø 50 mm, 0 ...*2 bar, G¼	for G¼ (02) to G¾ (A6)	**MA5001- . . *2**
	Ø 63 mm, 0 ...*2 bar, G¼	for G¾ (06) to G2	**MA6302- . . *2**
gauge for -40 to 130 °C	Ø . . mm, 0 ...*2 bar, G¼		**MA6302- . . X54*2**
mounting bracket	made of stainless steel	for G⅛ and G¼ (A2)	**BW30-03S**
mounting nut			**M30x1,5S**
mounting bracket	made of stainless steel	for G¼ (02) to G⅜	**BW35-01S**
mounting nut			**M35x1,5S**
mounting bracket	made of stainless steel	for G½ to G1	**BW50-01S**
mounting nut			**M50x1,5S**



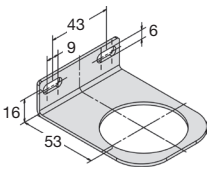
BM-..H



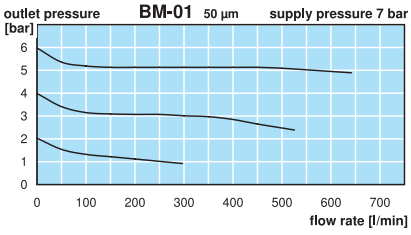
BW30-03S

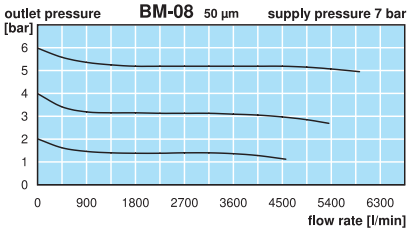


BW35-01S



BW50-01S





*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-01