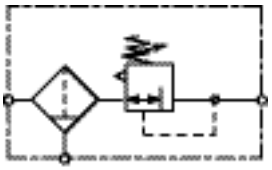
FILTER REGULATOR MADE OF BRASS UP TO 50 BAR BM

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 G¼,		by T-handle with locknut at G½
Gauge port	G¼ 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 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 G¼, brass at G½	Bowl:	stainless steel 316L / material no. 1.4404 O-rings: FKM Inner valve: brass and plastic (not at option X54)



G¼ up to G½, max. 50 bar
-40 to 130 °C / -40 to 266 °F

Dimensions A mm	B mm	C mm	Bowl-Design made of	Capacity l	Flow rate m^3/h*1	l/min*1	Connection thread G	Order number
Brass filter regulator with screw plug, relieving, without gauge, 50 µm filter element supply pressure max. 50 bar, pressure range 0.5...8 bar								**BM**
64	220	123	stainless steel	0,17	84	1 400	G¼	**BM-02**
79	247	127	stainless steel	0,28	228	3 800	G½	**BM-04**

BM-02

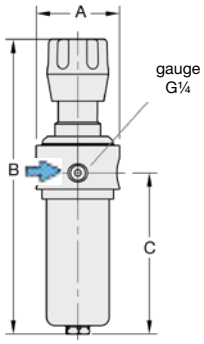
Special options, add the appropriate letter

5 µm 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 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**
T-handle	instead of adjusting knob					for G¼	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_8:	**16**	**nitrous oxide** N_2O:	BM-. . **17**
flange connection	according to EN-1092-1 or ASME B16.5					on request	BM-. . **F.**

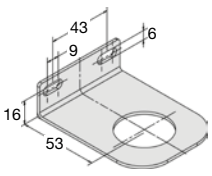
BM-04

Accessories, enclosed

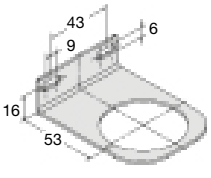
pressure gauge	Ø 50 mm, 0...*2 bar, G¼		**MA5002-. .** *2
gauge -40 °C/-40°F to 130 °C/266 °F	Ø . . mm, 0...*2 bar, G¼		**MS6302-. .** *2
mounting bracket	made of stainless steel	for G¼	**BW35-01S**
mounting nut			**M35x1,5S**
mounting bracket	made of stainless steel	for G½	**BW50-01S**
mounting nut			**M50x1,5S**



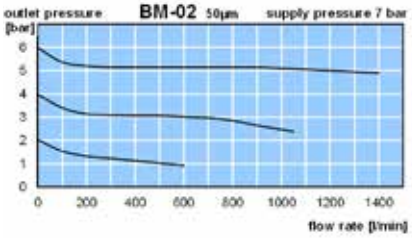
BM-0. .H

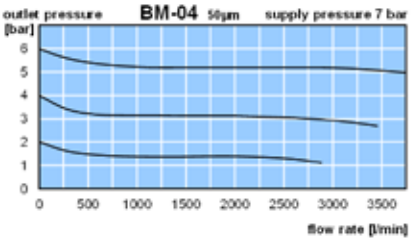


BW35-01S



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

PDF CAD
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Order example:
BM-02