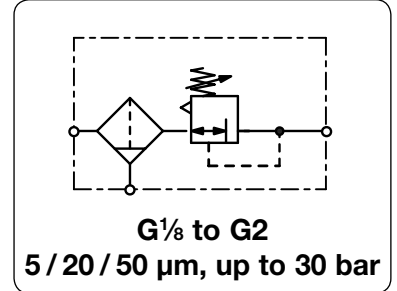


<b>Description</b>	Good value zinc die-cast regulator of solid design and diaphragm operating system. Wall mounting through two drilled holes in the body. Suitable for compressed air or non-corrosive gases.		
<b>Supply pressure</b>	max. 12 bar for plastic bowl, max. 30 bar for metal bowl without sight glass	max. 16 bar for metal bowl with sight glass.	
<b>Adjustment</b>	G $\frac{1}{2}$ to G $\frac{1}{4}$ : by plastic knob with snap-lock, G $\frac{1}{2}$ (BD-12.) to G2: by T-handle with locknut	G $\frac{3}{8}$ to G1 $\frac{1}{2}$ (BD-1A.): by handwheel,	
<b>Gauge port</b>	G $\frac{1}{4}$ or G $\frac{3}{8}$ at BD-01/02, on both sides of the body, one screw plug supplied		
<b>Filter element</b>	20 $\mu$ m and 50 $\mu$ m, optionally 5 $\mu$ m or 50 $\mu$ m, made of propylene		
<b>Bowl</b>	plastic version, standard or short,	metal version with or without sight glass	
<b>Drainage</b>	semiautomatic drain up to 16 bar, optionally manual (max. 30 bar) or automatic drain (max. 16 bar)		
<b>Temperature range</b>	0 °C to 50 °C / 32 °F to 122 °F for plastic bowl and semiautomatic or automatic drain version 0 °C to 70 °C / 32 °F to 158 °F for metal bowl with sight glass 0 °C to 80 °C / 32 °F to 176 °F for metal bowl without sight glass for appropriately conditioned compressed air down to -30 °C / -22 °F		
<b>Material</b>	Body: zinc die-cast at G $\frac{1}{2}$ and G $\frac{1}{4}$ , aluminium at G $\frac{3}{8}$ to G2	Elastomer: NBR/Buna-N Inner valve: brass	Bowl: polyurethane or zinc die-cast



Dimensions			Bowl	Flow	Supply	Filter	Connection	Order
A	B	C	Design	Capacity	rate	element	thread	number
mm	mm	mm	made of / with	l	m $^3$ /h*1 l/min*1	$\mu$ m	G	

Filter pressure regulator										
with semiautomatic drain, relieving, without pressure gauge, pressure range 0.5...8 bar										
<b>BD</b>										
40	198	125	plastic	0.05	27	450	12	20	G $\frac{1}{8}$	<b>BD-01L</b>
40	164	91	plastic, short	0.03			12			<b>BD-01K</b>
40	198	125	metal/sight glass	0.05			16			<b>BD-01M</b>
40	198	125	metal	0.05			16			<b>BD-01N</b>
40	198	125	plastic	0.05	30	500	12	20	G $\frac{1}{4}$	<b>BD-02L</b>
40	164	91	plastic, short	0.03			12			<b>BD-02K</b>
40	198	125	metal/sight glass	0.05			16			<b>BD-02M</b>
40	198	125	metal	0.05			16			<b>BD-02N</b>
64	250	146	metal/sight glass	0.20	108	1800	16	50	G $\frac{3}{8}$	<b>BD-03M</b>
			metal	0.20			16			<b>BD-03N</b>
64	250	146	metal/sight glass	0.20			16		G $\frac{1}{2}$	<b>BD-04M</b>
			metal	0.20			16			<b>BD-04N</b>
90	282	172	metal/sight glass	0.50	300	5000	16	50	G $\frac{3}{4}$	<b>BD-06M</b>
			metal	0.50			16			<b>BD-06N</b>
90	282	172	metal/sight glass	0.50			16		G1	<b>BD-08M</b>
			metal	0.50			16			<b>BD-08N</b>
150	282	172	metal/sight glass	0.50	390	6500	16	50	G1 $\frac{1}{4}$	<b>BD-10M</b>
			metal	0.50			16			<b>BD-10N</b>
150	282	172	metal/sight glass	0.50			16		G1 $\frac{1}{2}$	<b>BD-1AM</b>
			metal	0.50			16			<b>BD-1AN</b>
210	540	450	metal/sight glass	1.00	960	16000	16	50	G1 $\frac{1}{2}$	<b>BD-12M</b>
			metal	1.00			16			<b>BD-12N</b>
210	540	450	metal/sight glass	1.00	1020	17000	16		G2	<b>BD-16M</b>
			metal	1.00			16			<b>BD-16N</b>

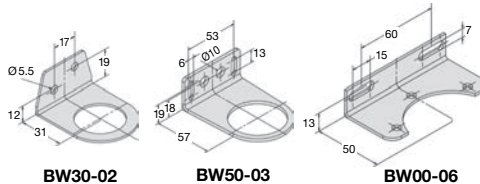
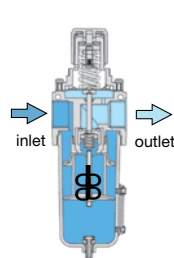
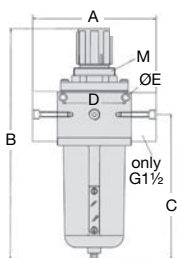
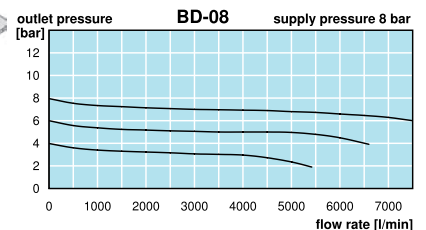
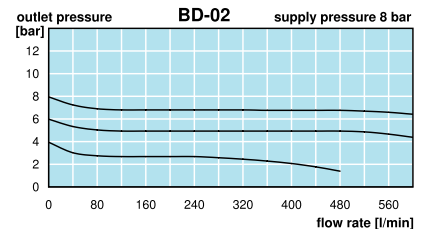


### Special options, add the appropriate letter

<b>5 <math>\mu</math>m filter element</b>	BD-...G
<b>1 ... 15 bar range</b>	BD-...E
<b>operating pressure 30 bar</b>	BD-...NH
<b>manual drain</b>	BD-...H
<b>automatic drain</b>	for G $\frac{3}{8}$ to G2
<b>BD-...R</b>	

### Accessories, enclosed

<b>pressure gauge</b>	Ø 40 mm, 0...*2 bar, G $\frac{1}{8}$ Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$ Ø 63 mm, 0...*2 bar, G $\frac{3}{4}$	for G $\frac{1}{8}$ and G $\frac{1}{4}$ for G $\frac{3}{8}$ and G $\frac{1}{2}$ for G $\frac{3}{4}$ to G2	<b>MA4001-...*2</b> <b>MA5002-...*2</b> <b>MA6302-...*2</b>
<b>mounting bracket</b>	made of steel	for G $\frac{1}{8}$ and G $\frac{1}{4}$	<b>BW30-02</b>
<b>mounting nut</b>	made of plastic	for G $\frac{1}{8}$ and G $\frac{1}{4}$	<b>M30x1,5K</b>
<b>mounting bracket</b>	made of steel	for G $\frac{3}{8}$ and G $\frac{1}{2}$	<b>BW50-03</b>
<b>mounting nut</b>	made of plastic	for G $\frac{3}{8}$ and G $\frac{1}{2}$	<b>M50x1,5K</b>
<b>mounting bracket</b>	made of steel	for G $\frac{3}{4}$ to G1 $\frac{1}{2}$ (1A.)	<b>BW00-06</b>



type	M	D	Ø E
<b>BD-01/02</b>	M30x1,5	30	4.5
<b>BD-03/04</b>	M50x1,5	51	5.5
<b>BD-06 to -1A</b>	M50x1,5	76	6.5

\*1 at 8 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