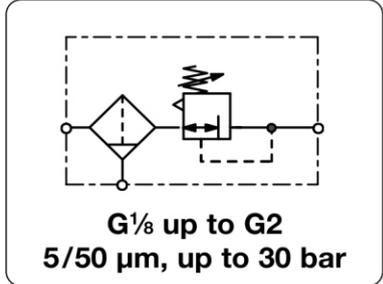


# BD - Filtration et régulation économique pour air comprimé et gaz non corrosifs

<b>Description</b>	Low-cost aluminium regulator of solid design and diaphragm operating system up to G $\frac{1}{2}$ . From G $\frac{3}{4}$ on with piston operating system. Suitable for compressed air or non-corrosive gases. max. 16 bar for metal bowl with sight glass, max. 30 bar for metal bowl without sight glass
<b>Supply pressure</b>	by knob with snap-lock up to G $\frac{1}{2}$ , by hexagon head screw from G $\frac{3}{4}$ up to G1 $\frac{1}{2}$ (BD-1A.)
<b>Adjustment</b>	by T-handle from G1 $\frac{1}{2}$ (BD-12.) up to G2
<b>Gauge port</b>	G $\frac{1}{4}$ on both sides of the body, G $\frac{1}{8}$ on both sides of the body at BD-01/02, one screw plug supplied
<b>Filter element</b>	50 $\mu$ m, optionally 5 $\mu$ m, made of propylene
<b>Bowl</b>	plastic version, standard or short, metal version with or without sight glass
<b>Drainage</b>	semiautomatic drain as standard for max. 16 bar, respectively manual drain max. 30 bar automatic drain max. 16 bar as option
<b>Temperature range</b>	-20 °C to 60 °C / -4 °F to 140 °F for metal bowl with sight glass -30 °C to 80 °C / -22 °F to 176 °F for metal bowl without sight glass
<b>Material</b>	Body: aluminium Elastomer: NBR/Buna-N Bowl: zinc die-cast, stainless steel by BD-12 and -16

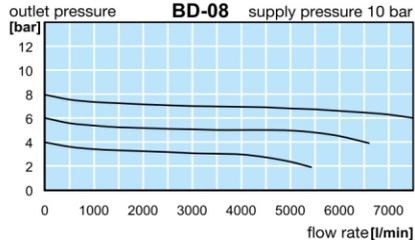
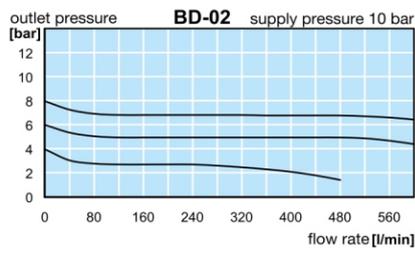
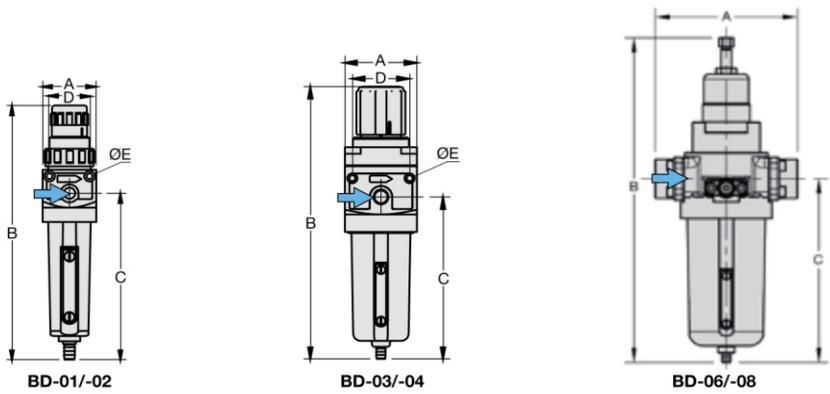


Dimensions			Bowl	Flow	P <sub>1</sub>	Filter	Connection	Order
A	B	C	Design	Capacity	rate	element	thread	number
mm	mm	mm	made of/ with	l	m <sup>3</sup> /h*1	l/min*1	bar	$\mu$ m

Filter pressure regulator				with semiautomatic drain, relieving, without pressure gauge, pressure range 0.5...8 bar				BD		
40	201	128	metal/sight glass	0.05	27	450	16	50	G $\frac{1}{8}$	BD-01M
			metal	0.05			30			BD-01NH
40	201	128	metal/sight glass	0.05	30	500	16	50	G $\frac{1}{4}$	BD-02M
			metal	0.05			30			BD-02NH
64	251	149	metal/sight glass	0.18	108	1800	16	50	G $\frac{3}{8}$	BD-03M
			metal	0.18			30			BD-03NH
64	251	149	metal/sight glass	0.18			16		G $\frac{1}{2}$	BD-04M
			metal	0.18			30			BD-04NH
129	310	174	metal/sight glass	0.50	300	5000	16	50	G $\frac{3}{4}$	BD-06M
			metal	0.50			30			BD-06NH
129	310	174	metal/sight glass	0.50			16		G1	BD-08M
			metal	0.50			30			BD-08NH
240	310	174	metal/sight glass	0.50	390	6500	16	50	G1 $\frac{1}{4}$	BD-10M
			metal	0.50			30			BD-10NH
240	310	174	metal/sight glass	0.50			16		G1 $\frac{1}{2}$	BD-1AM
			metal	0.50			30			BD-1ANH



Type	M	D	Ø E
BD-01/02	M30x1,5	30	4.5
BD-03/04	M50x1,5	51	5.5

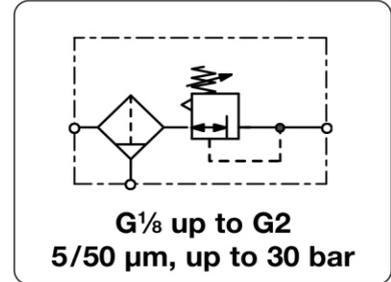


\*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop      \*2 04 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar



# BD - Filtration et régulation économique pour air comprimé et gaz non corrosifs

<b>Description</b>	Low-cost aluminium regulator of solid design and diaphragm operating system up to G $\frac{1}{2}$ . From G $\frac{3}{4}$ on with piston operating system. Suitable for compressed air or non-corrosive gases. max. 16 bar for metal bowl with sight glass, max. 30 bar for metal bowl without sight glass
<b>Supply pressure</b>	by knob with snap-lock up to G $\frac{1}{2}$ , by hexagon head screw from G $\frac{3}{4}$ up to G1 $\frac{1}{2}$ (BD-1A.)
<b>Adjustment</b>	by T-handle from G1 $\frac{1}{2}$ (BD-12.) up to G2
<b>Gauge port</b>	G $\frac{1}{4}$ on both sides of the body, G $\frac{1}{2}$ on both sides of the body at BD-01/02, one screw plug supplied
<b>Filter element</b>	50 $\mu$ m, optionally 5 $\mu$ m, made of propylene
<b>Bowl</b>	plastic version, standard or short, metal version with or without sight glass
<b>Drainage</b>	semiautomatic drain as standard for max. 16 bar, respectively manual drain max. 30 bar automatic drain max. 16 bar as option
<b>Temperature range</b>	-20 °C to 60 °C / -4 °F to 140 °F for metal bowl with sight glass -30 °C to 80 °C / -22 °F to 176 °F for metal bowl without sight glass
<b>Material</b>	Body: aluminium Elastomer: NBR/Buna-N Bowl: zinc die-cast, stainless steel by BD-12 and -16



Dimensions			Bowl	Flow	P <sub>1</sub>	Filter	Connection	Order
A	B	C	Design	Capacity	rate	element	thread	number
mm	mm	mm	made of/ with	l	m <sup>3</sup> /h*1	l/min*1	G	

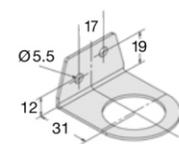
Filter pressure regulator			with semiautomatic drain, relieving, without pressure gauge, pressure range 0.5...8 bar					BD		
174	483	213	Metall	1.w0	1380	23000	30	50	G1 $\frac{1}{2}$	<b>BD-12NH</b>
174	483	213	Metall	1.0	1380	23000	30	50	G2	<b>BD-16NH</b>



BD-12/-16NH

## Special options, add the appropriate letter

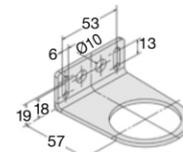
5 $\mu$ m filter element		BD-... G
0.3 ... 3 bar regulating range		BD-... B
1 ... 15 bar regulating range		BD-... E
manual drain	max. 16 bar for metal bowls with sight glass	BD-... H
automatic drain	max. 16 bar, drainage through float valve for G $\frac{3}{8}$ to G2	BD-... R
flange connection	according to EN-1092-1 or ASME B16.5 on request	BD-... F.



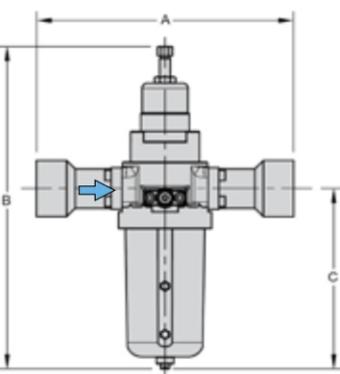
BW30-02

## Accessories, enclosed

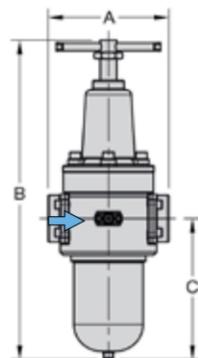
<b>pressure gauge</b>	Ø 40 mm, 0...*2 bar, G $\frac{1}{8}$	for G $\frac{1}{8}$ and G $\frac{1}{4}$	<b>MA4001-...*2</b>
	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{3}{8}$ and G $\frac{1}{2}$	<b>MA5002-...*2</b>
	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{3}{4}$ up to G2	<b>MA6302-...*2</b>
<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 stainless steel	for G $\frac{3}{4}$ up to G1 $\frac{1}{2}$ (1A)	<b>BW00-59S</b>
<b>set of brackets</b>	made of stainless steel	for G1 $\frac{1}{2}$ (12) and G2	<b>BW00-62S</b>



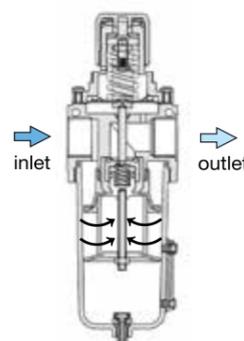
BW50-03



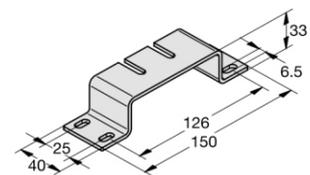
BD-10/-1A



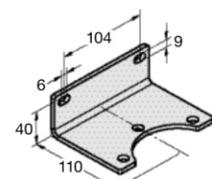
BD-12/-16



cross-section



BW00-59S



BW00-62S

\*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

