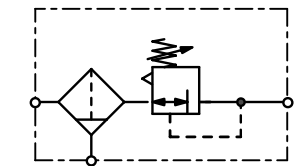


<b>Description</b>	Low-cost aluminium regulator of solid design and diaphragm operating system up to G $\frac{1}{2}$ . From G $\frac{3}{4}$ on with piston operating system. Suitable for compressed air or non-corrosive gases.
<b>Supply pressure</b>	max. 16 bar for metal bowl with sight glass, max. 30 bar for metal bowl without sight glass
<b>Adjustment</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.) 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>	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



**G $\frac{1}{8}$  up to G2**  
**5/50  $\mu$ m, up to 30 bar**

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

Filter pressure regulator										BD
with semiautomatic drain, relieving, without pressure gauge, pressure range 0.5...8 bar										
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



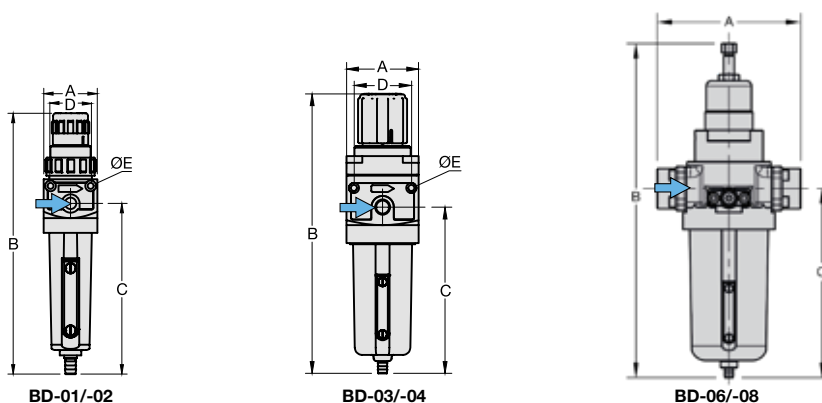
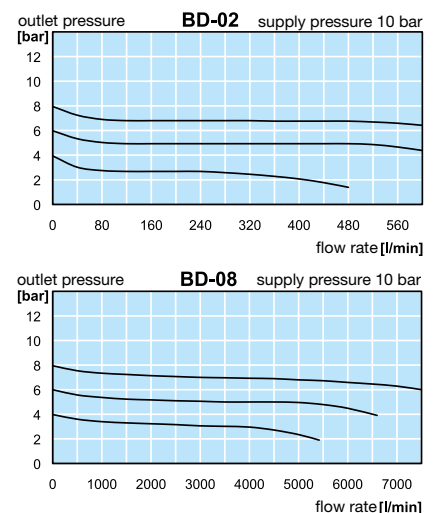
BD-01/-02M



BD-03/-04M



BD-10/-1ANH



\*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

\* Product group

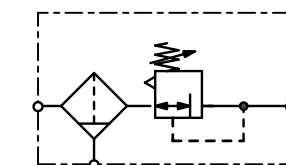
Extensions: see chapter for FRL service units  
Gauges: see chapter for measuring devices

PDF CAD  
www.aircom.net



Order example:  
BD-01M

<b>Description</b>	Low-cost aluminium regulator of solid design and diaphragm operating system up to G $\frac{1}{2}$ . From G $\frac{3}{8}$ on with piston operating system. Suitable for compressed air or non-corrosive gases.
<b>Supply pressure</b>	max. 16 bar for metal bowl with sight glass, max. 30 bar for metal bowl without sight glass
<b>Adjustment</b>	by knob with snap-lock up to G $\frac{1}{2}$ , by hexagon head screw from G $\frac{3}{8}$ up to G $\frac{1}{2}$ (BD-1A), by T-handle from G $\frac{1}{2}$ (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>	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



**G $\frac{1}{8}$  up to G2**  
**5/50  $\mu$ m, up to 30 bar**

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

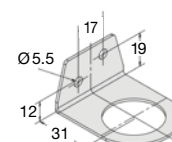
Filter pressure regulator										BD
with semiautomatic drain, relieving, without pressure gauge, pressure range 0.5...8 bar										
174	483	213	Metall	1.w0	1380	23 000	30	50	G1 $\frac{1}{2}$	BD-12NH
174	483	213	Metall	1.0	1380	23 000	30	50	G2	BD-16NH



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.

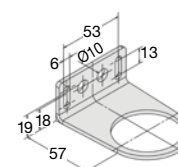


BW30-02

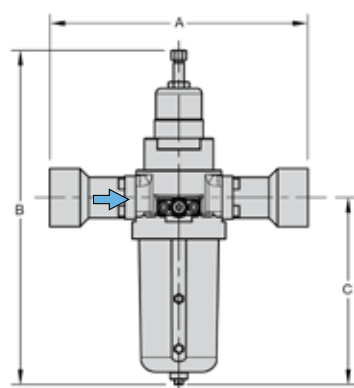
## Accessories, enclosed



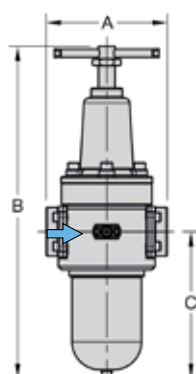
<b>pressure gauge</b>	Ø 40 mm, 0...*2 bar, G $\frac{1}{8}$ Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$ Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{1}{8}$ and G $\frac{1}{4}$ for G $\frac{3}{8}$ and G $\frac{1}{2}$ for G $\frac{3}{8}$ up to G2	<b>MA4001-...*</b> <b>MA5002-...*</b> <b>MA6302-...*</b>
<b>mounting 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 $\frac{3}{8}$ 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



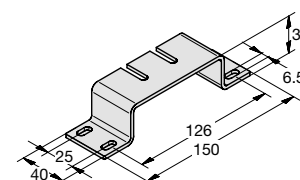
BD-10/-1A



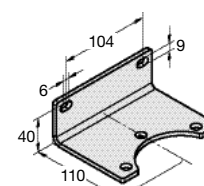
BD-12/-16



cross-section



BW00-59S



BW00-62S



17

\*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

\* Product group

Extensions: see chapter for FRL service units  
Gauges: see chapter for measuring devices

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Order example:  
BD-12NH