

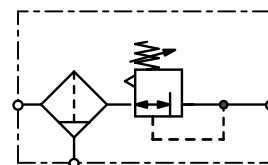
FILTER PRESSURE REGULATORS

DESCRIPTION	PRESSURE RANGE	CONNECTION	SERIES	PAGE
	bar	thread		
„Miniatur“-Serie	0.2 ... 1.8 / 9	G $\frac{1}{8}$ and G $\frac{1}{4}$	B548	17.02
brass	0.2 ... 3 / 15	G $\frac{1}{4}$ and G $\frac{1}{2}$	BM	17.03
Stainless steel	0.2 ... 3 / 50	G $\frac{1}{8}$ - G2	B3000	15.29
made of plastic	0 ... 4 / 12	G $\frac{1}{4}$ - G1	B042 ... B095	17.04
„Maxi“-Series, robust, modular	0.2 ... 4 / 17	G $\frac{1}{2}$ - G1	B20/B21	17.05
Series „D“, made of aluminium	0.3 ... 3 / 15	G $\frac{1}{8}$ - G2	BD	17.06
down to -40 °C / -40 °F	0 ... 0.7 / 8	$\frac{1}{4}$ " NPT	B300	17.08
Aluminium die casting	0.2 ... 2 / 17	G $\frac{1}{4}$ - G $\frac{1}{2}$	B510/B511/B512	17.09
Aluminium die casting	0.2 ... 2 / 17	G $\frac{1}{4}$ - G $\frac{3}{4}$	B520/B521/B522	17.10
Aluminium die casting	0.2 ... 2 / 17	G $\frac{3}{4}$ - G1 $\frac{1}{2}$	B530/B532	17.11



17

Description	Regulator of small and compact design, ideal for limited space conditions.		
Media	compressed air or non-corrosive gases		
Supply pressure	max. 11 bar for plastic bowl, max. 21 bar for metal bowl		
Adjustment	by plastic knob with snap-lock		
Relieving function	relieving		
Gauge port	G $\frac{1}{8}$ on both sides of the body, screw plugs supplied		
Filter element	20 μ m, optionally 5 μ m, made of polypropylene		
Bowl	plastic or metal version		
Drainage	manual drain as standard, for max. 21 bar semiautomatic drain as option, for max. 12 bar		
Temperature range	0 °C to 50 °C / 32 °F to 122 °F for plastic bowl and semiautomatic drain version 0 °C to 80 °C / 32 °F to 176 °F for metal bowl		
Material	Body: aluminium Spring cage: glass fibre-reinforced plastic Bowl: polyurethane or zinc die-cast	Elastomer: NBR/Buna-N Inner valve: brass	



G $\frac{1}{8}$ and G $\frac{1}{4}$

Dimensions			Bowl	Flow	P ₁	Connection	Pressure	Order	
A	B	C	design	rate	max.	thread	range	number	
mm	mm	mm	made of	m ³ /h*1	l/min*1	G	bar		B*

Miniature filter regulator										with manual drain, relieving, without gauge, filter element 20 μ m	B548
40	152	86	plastic	0.04	27	450	11	G $\frac{1}{8}$	0.2 ... 1.8		B548-01AHA
									0.2 ... 4.0		B548-01AHB
									0.3 ... 9.0		B548-01AHC
			metal				21		0.2 ... 1.8		B548-01DHA
									0.2 ... 4.0		B548-01DHB
									0.3 ... 9.0		B548-01DHC
40	152	86	plastic	0.04	27	450	11	G $\frac{1}{4}$	0.2 ... 1.8		B548-02AHA
									0.2 ... 4.0		B548-02AHB
									0.3 ... 9.0		B548-02AHC
			metal				21		0.2 ... 1.8		B548-02DHA
									0.2 ... 4.0		B548-02DHB
									0.3 ... 9.0		B548-02DHC

Special options, add the appropriate letter

5 μ m filter element		B548-0..G.
non-relieving	without relieving function	B548-0.... K
semiautomatic drain	RK500SY, max. 12 bar	B548-0....M



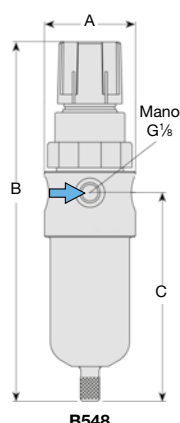
B548-02AHC



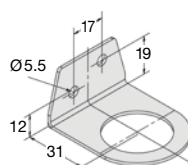
B548-02DHC

Accessories, enclosed

pressure gauge	Ø 40 mm, 0 ... *2 bar, G $\frac{1}{8}$	MA4001-... *2
mounting bracket	made of steel	BW30-02
mounting nut	made of plastic	M30x1,5K
	made of aluminium	M30x1,5A



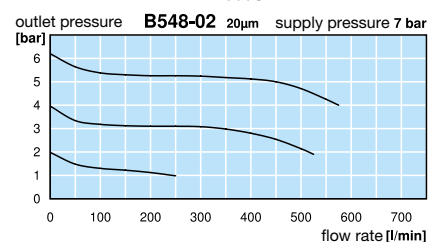
B548



BW30-02



RK500SY



*1 at 7 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
*2 02 = 0...2.5 bar, 04 = 0...4 bar, 10 = 0...10 bar

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

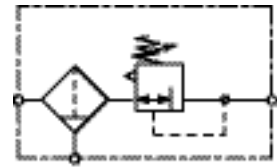
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* Product group



Order example:
B548-01AHA

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)		
Adjustment	by black plastic knob at size G $\frac{1}{4}$,		
Gauge port	G $\frac{1}{4}$ on both sides of the body, one screw plug supplied		
Filter element	50 μ m, optionally 5 μ m, 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	Bowl: stainless steel 316L / material no. 1.4404	
	Diaphragm: NBR/Buna-N with PTFE coating	O-rings: FKM	
	Knob: plastic at sizes G $\frac{1}{4}$, brass at G $\frac{1}{2}$	Inner valve: brass and plastic (not at option X54)	



**G $\frac{1}{4}$ up to G $\frac{1}{2}$, max. 50 bar
-40 to 130 °C / -40 to 266 °F**

Dimensions			Bowl-		Flow		Connection	Order
A	B	C	Design	Capacity	rate	rate	thread	number
mm	mm	mm	made of	l	m 3 /h*1	l/min*1	G	

Brass filter regulator with screw plug, relieving, without gauge, 50 μ m filter element
supply pressure max. 50 bar, pressure range 0.5...8 bar

BM

64	220	123	stainless steel	0,17	84	1 400	G $\frac{1}{4}$	BM-02
79	247	127	stainless steel	0,28	228	3 800	G $\frac{1}{2}$	BM-04



BM-02

Special options, add the appropriate letter

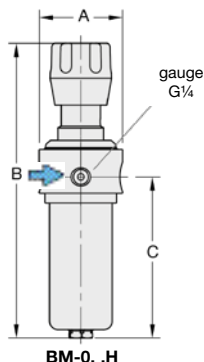
5 μ m filter element								BM- . . G
0.2... 3 bar range								BM- . . B
1 ...15 bar range								BM- . . D
manual drain			max. 30 bar					BM- . . H
automatic drain			made of stainless steel, max. 16 bar			for G $\frac{1}{4}$ (02) to G $\frac{1}{2}$		BM- . . R
non-relieving			without relieving function					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 G $\frac{1}{4}$	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 $_3$ H $_8$: 16			nitrous oxide N $_2$ O:		BM- . . 17
flange connection			according to EN-1092-1 or ASME B16.5			on request		BM- . . F.



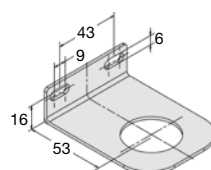
BM-04

Accessories, enclosed

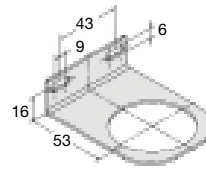
pressure gauge	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	MA5002-... *2
gauge -40 °C/-40 °F to 130 °C/266 °F	Ø . . mm, 0...*2 bar, G $\frac{1}{4}$	MS6302-... *2
mounting bracket	made of stainless steel for G $\frac{1}{4}$	BW35-01S
mounting nut		M35x1,5S
mounting bracket	made of stainless steel for G $\frac{1}{2}$	BW50-01S
mounting nut		M50x1,5S



BM-02 .H



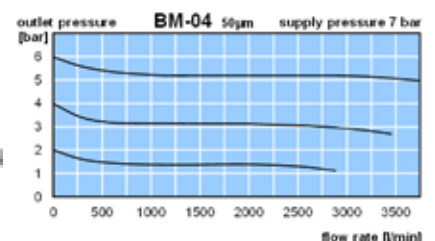
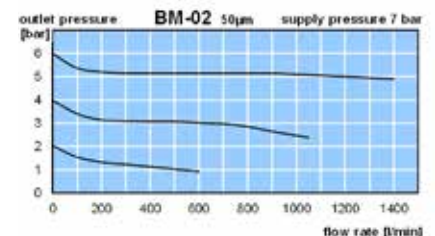
BW35-01S



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



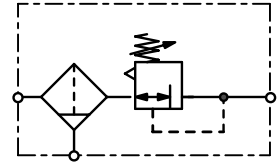
Extensions: see chapter for FRL service units
Gauges: see chapter for measuring devices

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Order example:
BM-02

Description	Modular pressure filter regulator which can be interlocked with all other instruments of the same series.		
Media	compressed air or non-corrosive gases		
Supply pressure	max. 12,5 bar, max. 16 bar for Series 042		
Adjustment	by knob with snap-lock		
Relieving function	relieving		
Gauge port	G $\frac{1}{8}$ or G $\frac{1}{4}$ at series 095, on both sides of the body, screw plugs supplied		
Filter element	20 μ m, optionally 5 μ m, made of sintered polyethylene		
Bowl	plastic version with bayonet catch, threaded connection at series 042		
Drainage	manual drain with semiautomatic drain, optionally automatic drain		
Temperature range	0 °C to 50 °C / 32 °F to 122 °F		
Material	Body: nylon,	POM at series 042	Inner valve: brass
	Bowl: polyamide		Thread insert: brass
	Elastomer: NBR/Buna-N		



G $\frac{1}{4}$ up to G1

Dimensions			Bowl		Flow rate		Supply max.	Connection thread	Order number	
A	B	C	Design	Capacity	m ³ /h*1	l/min*1	bar	G		B*
mm	mm	mm	made of/with	l						

Plastic filter regulator										B0
manual drain with semiautomatic drain, relieving, max. 12,5/16 bar w/o gauge, pressure range 0...8 bar, 20 μ m filter element										
42	207	126	plastic/	0.02	72	1200	16	G $\frac{1}{4}$		B042-02HC
52	239	148	bowl guard	0.04	120	2000	12.5	G $\frac{3}{8}$		B050-03HC
52	239	148		0.04	126	2100	12.5	G $\frac{1}{2}$		B052-04HC
63	276	173		0.10	168	2800	12.5	G $\frac{1}{2}$		B075-04HC
137	276	173		0.10	174	2900	12.5	G $\frac{3}{4}$		B080-06HC
195	411	237		0.20	828	13800	12.5	G1		B095-08HC

Special options, add the appropriate letter

5 μ m filter element		B0...0.G.
non-relieving	without relieving function	B0...0...K
0...4 bar regulating range		B095-0...B
0...12 bar regulating range		B095-0...D
automatic drain		B0...0...R

Accessories, enclosed

pressure gauge	Ø 40 mm, 0... ^{*2} bar, G $\frac{1}{8}$	for B042	MA4001-... ^{*2}
	Ø 50 mm, 0... ^{*2} bar, G $\frac{1}{8}$	for B050 to B080	MA5001-... ^{*2}
	Ø 63 mm, 0... ^{*2} bar, G $\frac{1}{4}$	for B095	MA6302-... ^{*2}
mounting bracket	made of steel, mounting nut at the device	for B042	BW30-01
		for B050 to B080	BW42-01
		for B095	BW00-02



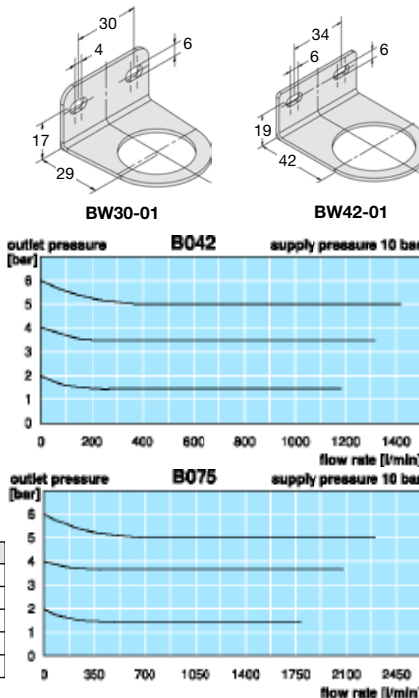
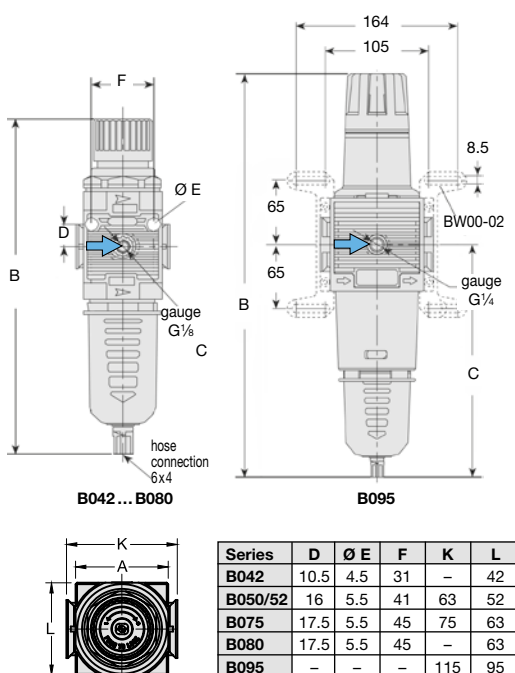
B042



B050



B095



*1 at 10 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

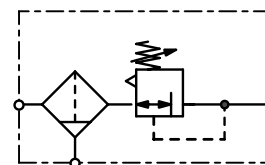
Extensions: see chapter for FRL service units
Gauges: see chapter for measuring devices

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Order example:
B042-02HC

Description	High-capacity filter regulator of modular design with exchangeable inserts. Can be interlocked with lubricator without needs for double nipples. Each "maxi" device may be taken from a fixed line in seconds by simply removing the mounting bolts.		
Media	compressed air or non-corrosive gases		
Supply pressure	max. 17 bar		
Adjustment	by plastic knob with snap-lock at B20, by T-handle with locknut at B21		
Relieving function	relieving		
Bowl	metal version with sight glass		
Drainage	manual drain as standard, optionally semiautomatic or automatic drain for max. 12 bar		
Temperature range	0 °C to 70 °C / 32 °F to 158 °F up to 50 °C / 122 °F for semiautomatic or automatic drain version		
Material	Body: zinc die-cast Knob (B20): glass fibre-reinforced plastic Bowl: zinc die-cast Elastomer: NBR/Buna-N	Spring cage: zinc die-cast T-handle (B21): steel Sight glass: polyurethane Inner valve: brass and plastic	Gauge port G $\frac{1}{4}$ on both sides of the body, screw plugs supplied



G $\frac{1}{2}$ up to G1

Dimensions			Bowl		Flow rate		Connection	Pressure	Order
A	B	C	Design	Capacity	m ³ /h*1	l/min*1	thread	range	number
mm	mm	mm	made of / with	l			G	bar	

"Maxi" filter regulator					with manual drain, relieving, without gauge, 40 µm filter element, max. 17 bar				B20
89	289	175	metal/sight glass	0.3	288	4800	G $\frac{1}{2}$	0.2... 4.0 0.3... 9.0 0.5... 17	B20-04WJB B20-04WJC B20-04WJD
111	289	175	metal/sight glass	0.3	408	6800	G $\frac{3}{4}$	0.2... 4.0 0.3... 9.0 0.5... 17	B20-06WJB B20-06WJC B20-06WJD
					420	7000	G1	0.2... 4.0 0.3... 9.0 0.5... 17	B20-08WJB B20-08WJC B20-08WJD



B20
with adjusting knob



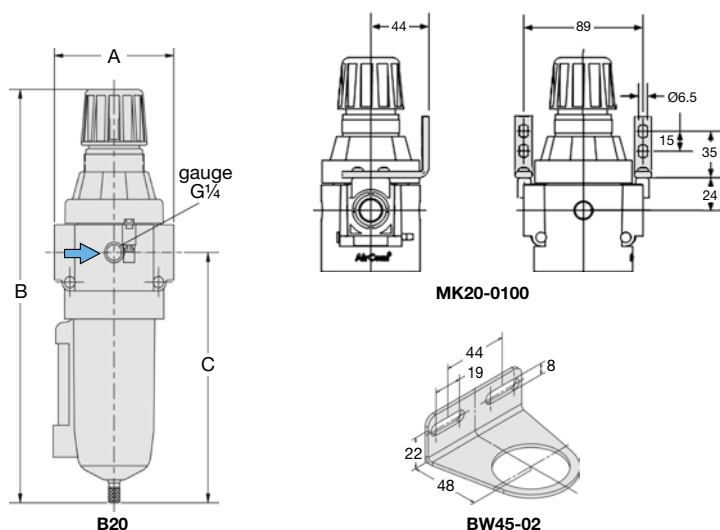
B21
with T-handle

Special options, add the appropriate letter

T-handle	including locknut, total height 329 mm	B21-0 . W . .
filter element 5 µm		B20-0 . W G.
non-relieving	without relieving function	B20-0K
semiautomatic drain	RK500SY, max. 12 bar	B20-0 . W . .M
automatic drain	SA605MD, max. 12 bar	B20-0 . W . .R

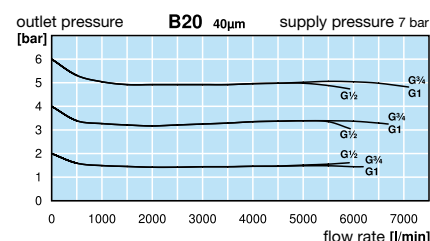
Accessories, enclosed

pressure gauge	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	MA6302-..*2
mounting bracket	mounting at the spring cage	BW45-02
mounting nut	made of plastic	M45x1,5K
	made of aluminium	M45x1,5A
mounting bracket set	made of steel	MK20-0100



RK500SY

SA605MD



*1 at 7 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop

*2 04 = 0...4 bar, 10 = 0...10 bar, 25 = 0...25 bar

* Product group

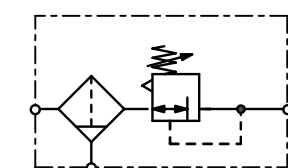
Extensions: see chapter for FRL service units
Gauges: see chapter for measuring devices

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Order example:
B20-04WJB

Description	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.
Supply pressure	max. 16 bar for metal bowl with sight glass, max. 30 bar for metal bowl without sight glass
Adjustment	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
Gauge port	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
Filter element	50 μ m, optionally 5 μ m, made of propylene
Bowl	metal version with or without sight glass
Drainage	semiautomatic drain as standard for max. 16 bar, respectively manual drain max. 30 bar automatic drain max. 16 bar as option
Temperature range	-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
Material	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 μ m, up to 30 bar

Dimensions			Bowl		Flow rate		P ₁ max.	Filter element	Connection thread	Order number
A	B	C	Design	Capacity	m ³ /h*1	l/min*1	bar	μ 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



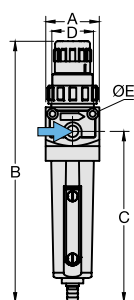
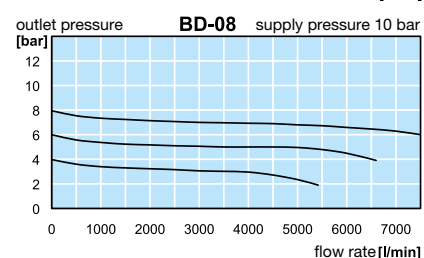
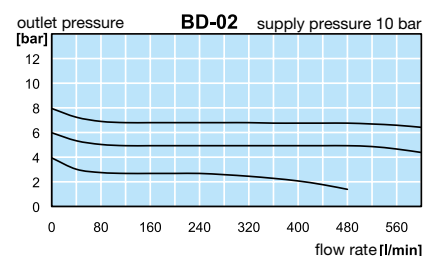
BD-01/-02M



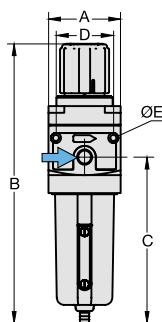
BD-03/-04M



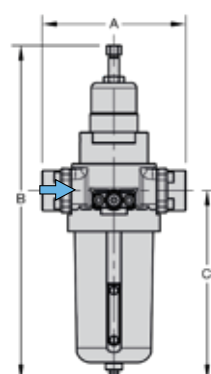
BD-10/-1ANH



BD-01/-02



BD-03/-04



BD-06/-08

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 Ø4 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar

* Product group

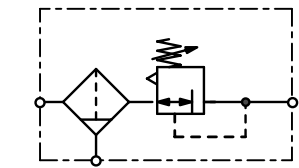
Extensions: see chapter for FRL service units
Gauges: see chapter for measuring devices

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Order example:
BD-01M

Description	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.
Supply pressure	max. 16 bar for metal bowl with sight glass, max. 30 bar for metal bowl without sight glass
Adjustment	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
Gauge port	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
Filter element	50 μ m, optionally 5 μ m, made of propylene
Bowl	metal version with or without sight glass
Drainage	semiautomatic drain as standard for max. 16 bar, respectively manual drain max. 30 bar automatic drain max. 16 bar as option
Temperature range	-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
Material	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 μ m, up to 30 bar

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

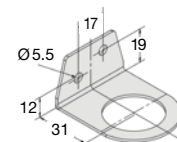
Filter pressure regulator										BD
with semiautomatic drain, relieving, without pressure gauge, pressure range 0.5...8 bar										
174	483	213	Metall	1.w0	1380	23 000	30	50	G1 $\frac{1}{2}$	BD-12NH
174	483	213	Metall	1.0	1380	23 000	30	50	G2	BD-16NH



BD-12/-16NH

Special options, add the appropriate letter

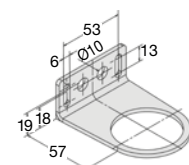
5 μ m filter element		BD-... G
0.3 ... 3 bar regulating range		BD-... B
1 ... 15 bar regulating range		BD-... E
manual drain	max. 16 bar for metal bowls with sight glass	BD-... H
automatic drain	max. 16 bar, drainage through float valve for G $\frac{3}{8}$ to G2	BD-... R
flange connection	according to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



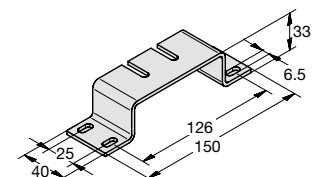
BW30-02

Accessories, enclosed

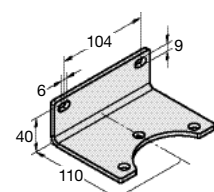
pressure gauge	Ø 40 mm, 0...*2 bar, G $\frac{1}{8}$ Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$ Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{1}{8}$ and G $\frac{1}{4}$ for G $\frac{3}{8}$ and G $\frac{1}{2}$ for G $\frac{3}{8}$ up to G2	MA4001-...*2 MA5002-...*2 MA6302-...*2
mounting bracket	made of steel	for G $\frac{1}{8}$ and G $\frac{1}{4}$	BW30-02
mounting nut	made of plastic	for G $\frac{1}{8}$ and G $\frac{1}{4}$	M30x1,5K
mounting bracket	made of steel	for G $\frac{3}{8}$ and G $\frac{1}{2}$	BW50-03
mounting nut	made of plastic	for G $\frac{3}{8}$ and G $\frac{1}{2}$	M50x1,5K
mounting bracket	made of stainless steel	for G $\frac{3}{8}$ up to G1 $\frac{1}{2}$ (1A)	BW00-59S
set of brackets	made of stainless steel	for G1 $\frac{1}{2}$ (12) and G2	BW00-62S



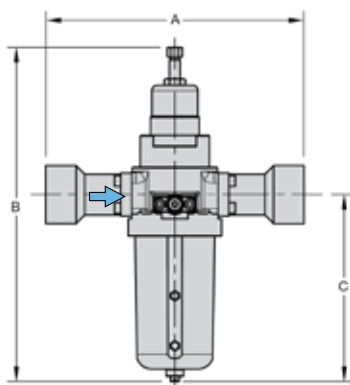
BW50-03



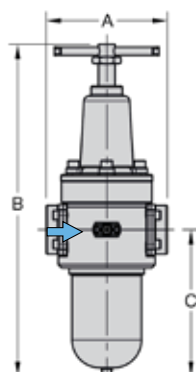
BW00-59S



BW00-62S



BD-10/-1A



BD-12/-16



cross-section

*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

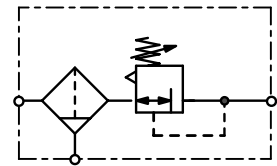
Extensions: see chapter for FRL service units
Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net



Order example:
BD-12NH

Description	Filter pressure regulator especially for low temperatures as well as supply of instruments.
Media	compressed air or non-corrosive gases
Supply pressure	max. 17 bar
Supply sensitivity	10 mbar outlet pressure deviation at supply pressure variation of 1 bar
Air consumption	max 2 l/min subject to outlet pressure
Adjustment	by square-headed spindle (spanner size 8 mm) with locknut
Relieving function	relieving, optionally non-relieving
Gauge port	1/4" NPT on one side of the body, one screw plug supplied
Filter element	40 µm, optionally 5 µm, made of impregnated cellulose
Drainage	manual drain
Temperature range	0 °C to 50 °C / 32 °F to 122 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F
Material	Body: aluminium die-cast Spring cage: aluminium die-cast Elastomer: nylon-reinforced NBR/Buna-N, optionally FKM Inner valve: brass, acetal, galvanised steel



1/4" NPT

Dimensions			Bowl		Flow		P ₁	Connection	Pressure	Order	B*
A	B	C	Design	Capacity	rate	rate	max.	thread	range	number	
mm	mm	mm	made of	l	m³/h*1	l/min*1	bar	NPT	bar		

Filter pressure regulator										with manual drain, relieving, with air consumption without gauge, 40 µm filter element	B300
197	80	83	metal	0.1	33	550	17	1/4" NPT	0...0.7		B300-020
									0...2.0		B300-02A
									0...4.0		B300-02B
									0...8.0		B300-02C



B300

Special options, add the appropriate letter

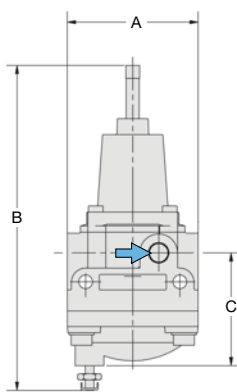
5 µm filter element		B300-02 . G
non-relieving	without relieving function and without air consumption	B300-02 . K
tapped exhaust	1/4" NPT	B300-02 . X12
tamper-proof cap		B300-02 . T
FKM-elastomer		B300-02 . V



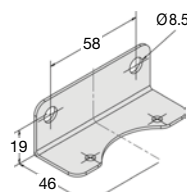
cross-section

Accessories, enclosed

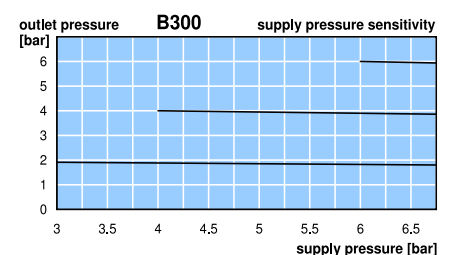
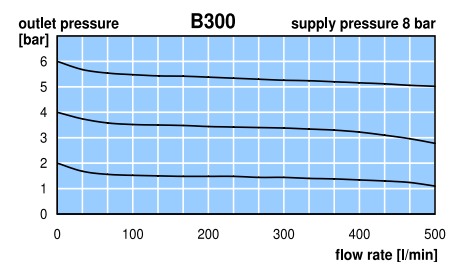
mounting bracket	mounting at spring cage, made of steel	BW00-38
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B300



BW00-38

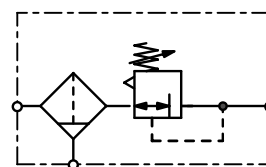


*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop

* Product group



Description	Filter pressure regulator in small design with large volume flow. Can be blocked with an oiler without use of a double nipple.		
Media	Compressed air or neutral gases		
Supply pressure	max. 17 bar		
Adjustment	with lockable adjustment knob for B510, with T-handle for B511, with adjustment screw for B512		
Relieving function	relieving, optionally non relieving		
Gauge port	G $\frac{1}{8}$ on both sides, screw plugs are supplied		
Filter element	40 μ m, optionally 5 μ m, sintered bronze		
Bowl	metal version with sight glass		
Drainage	manual drain as standard, optionally automatic drain max. 10 bar		
Temperature range	0 °C to 80 °C		
Material	Body: Alu die-cast	Bowl: Alu die-cast	Elastomer: NBR
	Spring cage: glass fibre-reinforced plastic		
	Inner valve: brass and plastic		



G $\frac{1}{4}$ to G $\frac{1}{2}$

Dimensions			Bowl		Flow rate		P ₁	Connection	Pressure	Order
A	B	C	Design	Capacity	rate	rate	max.	thread	range	number
mm	mm	mm	made of/with	l	m ³ /h*1	l/min*1	bar	G	bar	[A]*

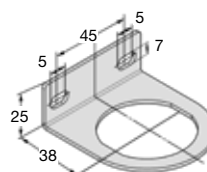
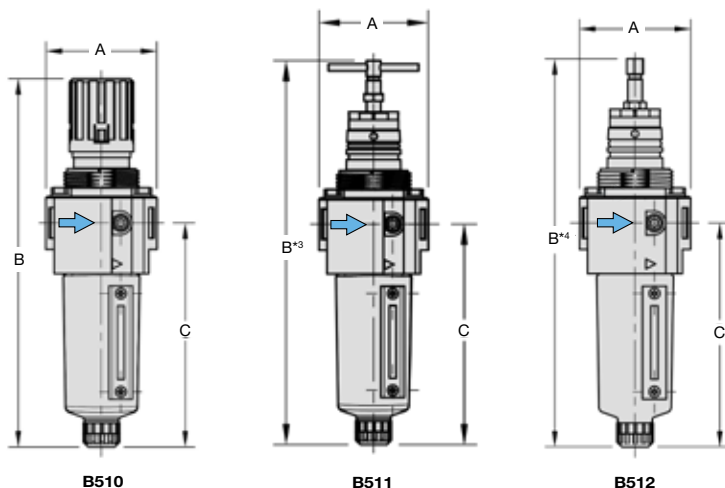
Standard filter pressure regulator with manual drain, relieving, max. 17 bar without gauge, 40 μ m filter element										B510
73	244	149	metal/ sight glass	0.2	126	2100	17	G $\frac{1}{4}$	0.2 ... 2 0.4 ... 4 1.0 ... 10 1.7 ... 17	B510-02WJA B510-02WJB B510-02WJC B512-02WJD
73	244	149	metal/ sight glass	0.2	132	2200	17	G $\frac{3}{8}$	0.2 ... 2 0.4 ... 4 1.0 ... 10 1.7 ... 17	B510-03WJA B510-03WJB B510-03WJC B512-03WJD
73	244	149	metal/ sight glass	0.2	138	2300	17	G $\frac{1}{2}$	0.2 ... 2 0.4 ... 4 1.0 ... 10 1.7 ... 17	B510-04WJA B510-04WJB B510-04WJC B512-04WJD

Special options, add the appropriate letter

T-handle	with locknut	up to 10 bar	B + 20 mm *3	B511-0.W . .
adjustment screw	with locknut	up to 10 bar	B + 20 mm *4	B512-0.W . .
5 μm filter element				B51.- 0.WG.
non relieving	without relieving function			B51.- 0.W . . K
automatic drain	SA-500, max. 10 bar			B51.- 0.W . . R
flange connection	according to EN-1092-1 or ASME B16.5	on request		B51.- 0.W . . F.

Accessories, enclosed

pressure gauge	Ø 50 mm, 0...*2 bar, G $\frac{1}{2}$	MA5001- . . *2
mounting bracket	made of stainless steel	BW48-00
mounting nut	made of plastic	M48x1,5K



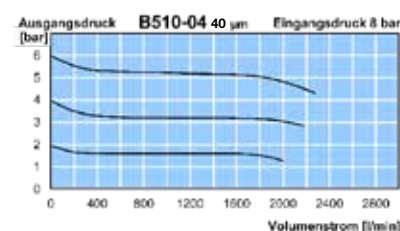
B510
with knob



B511
with T-handle



B512
with adjustment screw



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop

*2 02 = 0...2,5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar, 25 = 0...25 bar

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

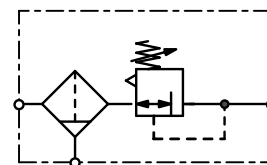
PDF CAD
www.aircom.net

* Product group



Order example:
B510-02WJA

Description	Filter pressure regulator in modular design with large volume flow. Can be blocked with an oiler without use of a double nipple.		
Media	Compressed air or neutral gases		
Supply pressure	max. 17 bar		
Adjustment	with lockable adjustment knob for B520, with T-handle for B521, with adjustment screw for B522		
Relieving function	relieving, optionally non relieving		
Gauge port	G $\frac{1}{8}$ on both sides, screw plugs are supplied		
Filter element	40 μ m, optionally 5 μ m, sintered bronze		
Bowl	metal version with sight glass		
Drainage	manual drain as standard, optionally automatic drain max. 10 bar		
Temperature range	0 °C to 80 °C		
Material	Body: Alu die-cast	Bowl: Alu die-cast	Elastomer: NBR
	Spring cage: glass fibre-reinforced plastic		Inner valve: brass and plastic



G $\frac{1}{4}$ to G $\frac{3}{4}$

Dimensions			Bowl		Flow rate		P ₁	Connection	Pressure	Order
A	B	C	Design	Capacity	m ³ /h*1	l/min*1	max.	thread	range	number
mm	mm	mm	made of/with	l			bar	G	bar	A*

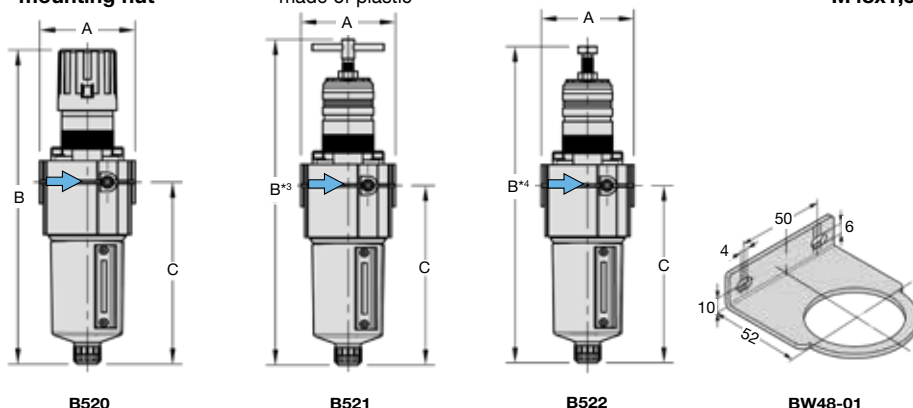
Standard filter pressure regulator										with manual drain, relieving, max. 17 bar without gauge, 40 μ m filter element	B520
85	282	165	metal/ sight glass	0.3	132	2200	17	G $\frac{1}{4}$	0.2 ... 2 0.3 ... 3.5 1.0 ... 10 1.7 ... 17	2 3.5 10 17	B520-02WJA B520-02WJB B520-02WJC B522-02WJD
85	282	165	metal/ sight glass	0.3	186	3100	17	G $\frac{3}{8}$	0.2 ... 2 0.3 ... 3.5 1.0 ... 10 1.7 ... 17	2 3.5 10 17	B520-03WJA B520-03WJB B520-03WJC B522-03WJD
85	282	165	metal/ sight glass	0.3	288	4800	17	G $\frac{1}{2}$	0.2 ... 2 0.3 ... 3.5 1.0 ... 10 1.7 ... 17	2 3.5 10 17	B520-04WJA B520-04WJB B520-04WJC B522-04WJD
85	282	165	metal/ sight glass	0.3	408	6800	17	G $\frac{3}{4}$	0.2 ... 2 0.3 ... 3.5 1.0 ... 10 1.7 ... 17	2 3.5 10 17	B520-06WJA B520-06WJB B520-06WJC B522-06WJD

Special options, add the appropriate letter

T-handle	with locknut	up to 10 bar	B + 20 mm *3	B521-0.W . .
adjustment screw	with locknut	up to 10 bar	B + 20 mm *4	B522-0.W . .
5 μm Filter element				B52.- 0.WG .
non relieving	without relieving function			B52.- 0.W . . K
automatic drain	SA-500, max. 10 bar			B52.- 0.W . . R
flange connection	according to EN-1092-1 or ASME B16.5	on request		B52.- 0.W . . F.

Accessories, enclosed

pressure gauge	Ø 50 mm, 0...*2 bar, G $\frac{1}{8}$	MA5001- . . *2
mounting bracket	made of stainless steel	BW48-01
mounting nut	made of plastic	M48x1,5K



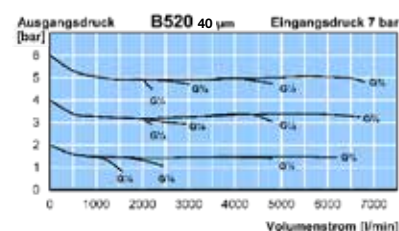
B520
with knob



B521
with T-handle



B522
with adjustment screw



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop

*2 02 = 0...2.5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar, 25 = 0...25 bar

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

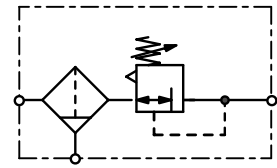
PDF CAD
www.aircom.net

* Product group



Order example:
B520-02WJA

Description	Filter pressure regulator in modular design with large volume flow. Can be blocked with an oiler without use of a double nipple.		
Media	Compressed air or neutral gases		
Supply pressure	max. 17 bar		
Adjustment	with lockable adjustment knob for B530, with T-handle for B511, with adjustment screw for B532		
Relieving function	relieving, optionally non relieving		
Gauge port	G $\frac{1}{8}$ on both sides, screw plugs are supplied		
Filter element	40 μ m, optionally 5 μ m, sintered bronze		
Bowl	metal version with sight glass		
Drainage	manual drain as standard, optionally automatic drain max. 10 bar		
Temperature range	0 °C to 80 °C		
Material	Body: Alu die-cast	Bowl: Alu die-cast	
	Spring cage: glass fibre-reinforced plastic	Elastomer: NBR	
	Inner valve: brass and plastic		



G $\frac{3}{4}$ bis G1 $\frac{1}{2}$

Dimensions			Bowl		Flow rate		P ₁	Connection	Pressure	Order
A	B	C	Design	Capacity	m ³ /h*1	l/min*1	max.	thread	range	number
mm	mm	mm	made of/with	l			bar	G	bar	A*

Standard filter pressure regulator with manual drain, relieving, max. 17 bar without gauge, 40 μ m filter element, B530

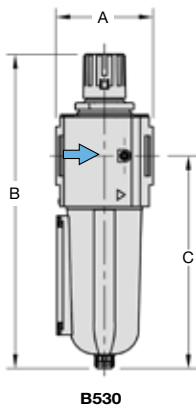
120	416	267	metal/ sight glass	1.0	810	13500	17	G $\frac{3}{4}$	0.2 ... 2 0.3 ... 3.5 1.0 ... 10 1.7 ... 17	B530-06WJA B530-06WJB B530-06WJC B532-06WJD
120	416	267	metal/ sight glass	1.0	840	14000	17	G1	0.2 ... 2 0.3 ... 3.5 1.0 ... 10 1.7 ... 17	B530-08WJA B530-08WJB B530-08WJC B532-08WJD
120	416	267	metal/ sight glass	1.0	870	14500	17	G1 $\frac{1}{4}$	0.2 ... 2 0.3 ... 3.5 1.0 ... 10 1.7 ... 17	B530-10WJA B530-10WJB B530-10WJC B532-10WJD
120	416	267	metal/ sight glass	1.0	900	15000	17	G1 $\frac{1}{2}$	0.2 ... 2 0.3 ... 3.5 1.0 ... 10 1.7 ... 17	B530-12WJA B530-12WJB B530-12WJC B532-12WJD

Special options, add the appropriate letter

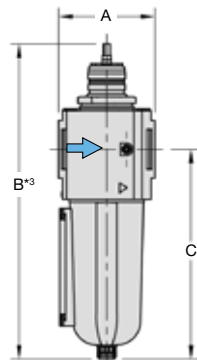
adjustment screw	with locknut	up to 10 bar	B + 20 mm *3	B532 - . . W. .
5 μm Filter element				B53. - . . WG.
non relieving	without relieving function			B53. - . . W. . K
automatic drain	SA-500, max. 10 bar			B53. - . . W. . R
flange connection	according to EN-1092-1 or ASME B16.5	on request		B53. - . . W. . F.

Accessories, enclosed

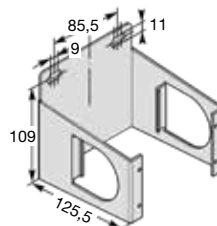
Pressure gauge	Ø 50 mm, 0...*2 bar, G $\frac{1}{8}$	MA5001- . . *2
mounting bracket	made of stainless steel	BW00-530
mounting nut	made of plastic	M55x1,5K



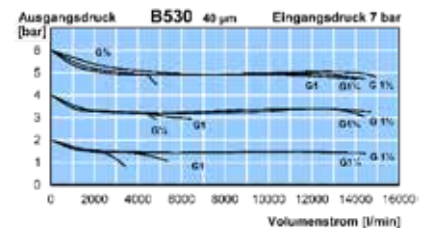
B530



B532



BW00-530



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop

*2 02 = 0...2.5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar, 25 = 0...25 bar

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

PDF CAD
www.aircom.net

* Product group



Order example:
B530-06WJA