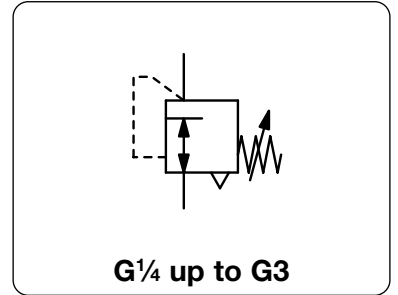


Description	Good value pressure regulator of solid design. RD1 and RD3 are equipped with diaphragms, RD4 is piston-operated. Wall mounting through two drilled holes in the bodies of RD1 to RD3.
Media	compressed air or non-corrosive gases
Supply pressure	max. 30 bar
Adjustment	RD1/RD2: see chart, by plastic knob with snap-lock RD3: by handwheel RD4: by T-handle
Relieving function	relieving, optionally non-relieving
Gauge port	G $\frac{1}{4}$ on both sides of the body, G $\frac{1}{2}$ at RD1
Mounting position	any
Temperature range	-0 °C to 60 °C / 31 °F to 140 °F (RD1 to RD3), 0 °C bis 80 °C / 32 °F to 176 °F (RD4), with suitably conditioned compressed air -20 °C / -4 °F
Material	Body: aluminium Spring cage: plastic reinforced with glass fibre at RD1, nylon at RD2, aluminium at RD3/RD4 Elastomer: NBR/Buna-N Inner valve: brass at RD1/RD2, brass/aluminium at RD3/RD4

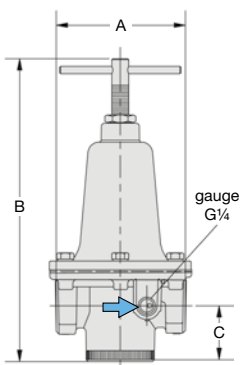


Standard

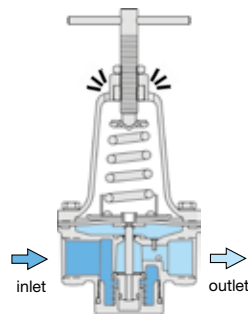
2

Dimensions			K _v -value (m ³ /h)	Flow rate		Connection thread G	Pressure range bar	Order number
A	B	C		m ³ /h*1	l/min*1			

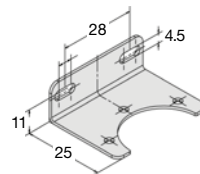
„Standard“ pressure regulator							supply pressure max. 21 bar, relieving, without pressure gauge		R119
70	157	35	1.5	150	2500	G $\frac{1}{4}$	0.2 ... 1.8	0.2 ... 4.0	R119-02A R119-02B R119-02C R119-02D
83	172	38	3.6	360	6000	G $\frac{3}{8}$ *3	0.2 ... 1.8	0.2 ... 4.0	R119-03A R119-03B R119-03C R119-03D
83	172	38	3.6	360	6000	G $\frac{1}{2}$	0.2 ... 1.8	0.2 ... 4.0	R119-04A R119-04B R119-04C R119-04D
113	265	49	5.4	540	9000	G $\frac{3}{4}$	0.3 ... 9.0	0.5 ... 17	R119-06C R119-06D
113	265	49	6.0	600	10000	G1	0.3 ... 9.0	0.5 ... 17	R119-08C R119-08D



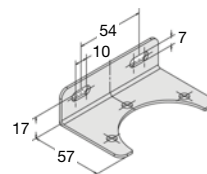
R119-02 ... -12



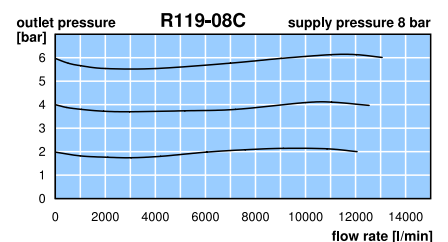
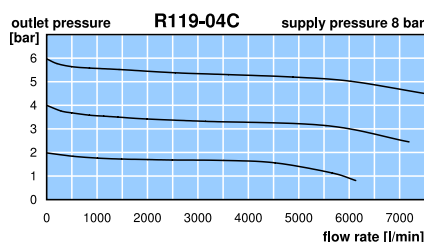
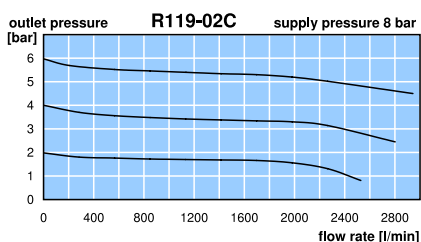
cross-section



BW00-22



BW00-23



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
*3 reduced by the next larger pressure regulator

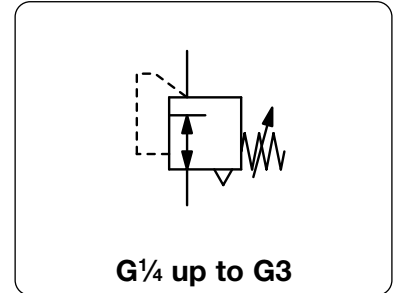
* Product group

PDF CAD
www.aircom.net



Order example:
R119-02A

Description	High-capacity diaphragm regulator of solid design suitable for many applications. Ideal for installations where constant line pressure at wide flow variations. From size G2 on it is a pilot-operated piston regulator with an excellent regulation characteristic curve.	
Media	compressed air or non-corrosive gases	
Supply pressure	max. 21 bar, max. 16 bar by R119-16B/-20B/-24B	
Air consumption	from size G2 on the regulator's air consumption is about 0.1 l/min.	
Adjustment	by T-handle with locknut from size G2 on by plastic knob with snap-lock on the pilot regulator for G½ optionally by handwheel, for control panel integration	
Relieving function	relieving, optionally non-relieving	
Gauge port	G¼ on both sides of the body, screw plugs supplied	Mounting position any
Temperature range	0 °C to 50 °C / 32 °F to 122 °F, for appropriately conditioned compressed air down to -30 °C / -22 °F	
Material	Body: zinc die-cast, aluminium by G2 to G3 Diaphragm: NBR/Buna-N	Inner valve: brass Bottom screw: reinforced nylon



Standard
2

Dimensions			K _v -value (m³/h)	Flow rate m³/h*1 l/min*1	Connection thread G	Pressure range bar	Order number
A	B	C					

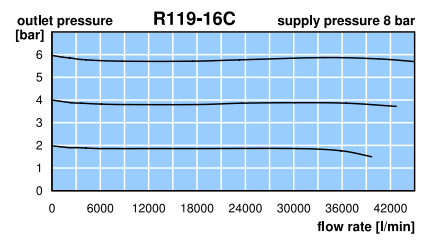
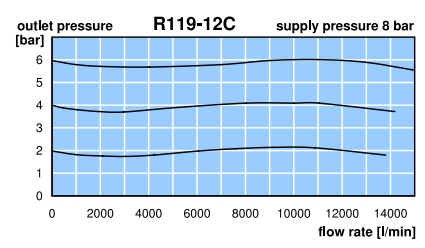
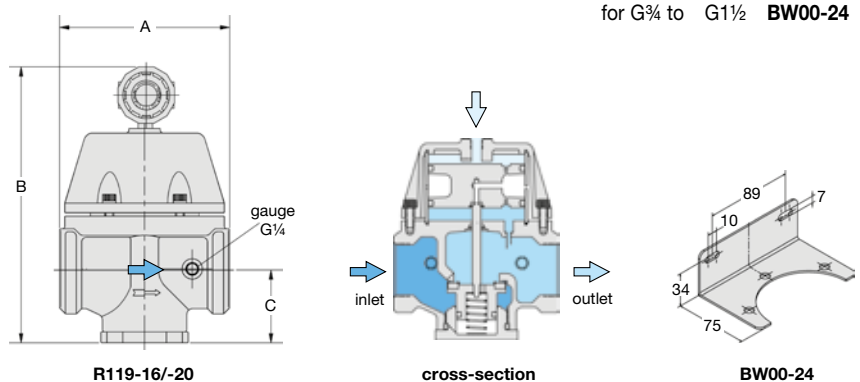
„Standard“ pressure regulator							supply pressure max. 21 bar, relieving, without pressure gauge	R119
126	275	48	6.6	660	11 000	G1¼*3	0.3... 9.0 0.5... 17	R119-10C R119-10D
126	275	48	7.2	720	12 000	G1½	0.3... 9.0 0.5... 17	R119-12C R119-12D
186	300	79	35.4	2520	42 000	G2	0.2... 7.0 0.8... 8.0 1.5... 15	R119-16B R119-16C R119-16D
186	300	79	37.1	2640	44 000	G2½	0.2... 7.0 0.8... 8.0 1.5... 15	R119-20B R119-20C R119-20D
214	360	95	56.0	6600	110 000	G3	0.2... 7.0 0.8... 8.0 1.5... 15	R119-24B R119-24C R119-24D



Special options, add the appropriate letter			
NPT	connection thread	for G2 to G3	R119-...N
non-relieving	without relieving function		R119-...K
FKM elastomer		for G¼ to G1½ for G3	R119-...X64 R119-24.X64
panel mounting	with handwheel, hole diameter 16 mm	for G½	R119-...P
flange connection	see chapter SST devices / flanges		R119-...F.
PWIS-free	for painting plants		R119-...LA

Accessories, enclosed

pressure gauge	Ø 50 mm, 0...*2 bar, G¼	for G¼ to G½	MA5002-...*2
	Ø 63 mm, 0...*2 bar, G¼	for G¾ to G3	MA6302-...*2
mounting bracket	made of steel	for G¼ and G¾	BW00-22
		for G½	BW00-23
		for G¾ to G1½	BW00-24



*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
 *3 reduced by the next larger pressure regulator