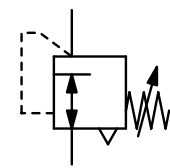


Description	High-capacity diaphragm regulator of solid design suitable for many applications. Ideal for installations where constant line pressure at wide flow variations. From size G2 on it is a pilot-operated piston regulator with an excellent regulation characteristic curve.	
Media	compressed air 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	
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



G¼ up to G3

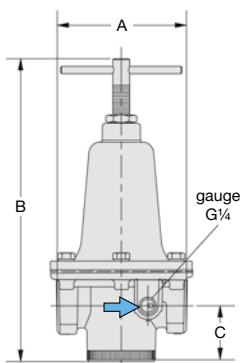
Dimensions			K _v -value (m³/h)	Flow rate		Connection thread	Pressure range bar	Order number
A	B	C		m³/h*1	l/min*1			
mm	mm	mm				G		

„Standard“ pressure regulator							supply pressure max. 21 bar, relieving, without pressure gauge		R119
70	157	35	1.5	150	2500	G¼	0.2 ... 1.8		R119-02A
							0.2 ... 4.0		R119-02B
							0.3 ... 9.0		R119-02C
							0.5 ... 17		R119-02D
83	172	38	3.6	360	6000	G¾*3	0.2 ... 1.8		R119-03A
							0.2 ... 4.0		R119-03B
							0.3 ... 9.0		R119-03C
							0.5 ... 17		R119-03D
83	172	38	3.6	360	6000	G½	0.2 ... 1.8		R119-04A
							0.2 ... 4.0		R119-04B
							0.3 ... 9.0		R119-04C
							0.5 ... 17		R119-04D
113	265	49	5.4	540	9000	G¾	0.3 ... 9.0		R119-06C
							0.5 ... 17		R119-06D
113	265	49	6.0	600	10000	G1	0.3 ... 9.0		R119-08C
							0.5 ... 17		R119-08D

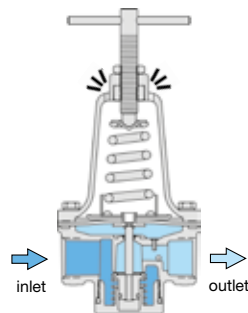
R119-04

R119-06

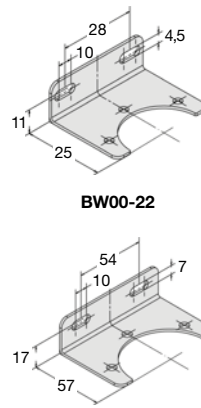
R119-08



R119-02 ... -12

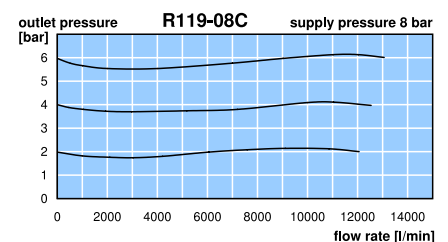
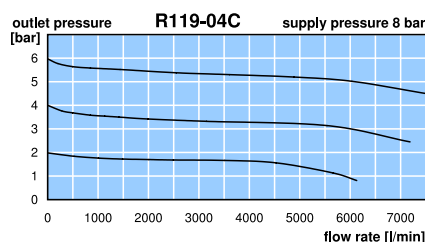
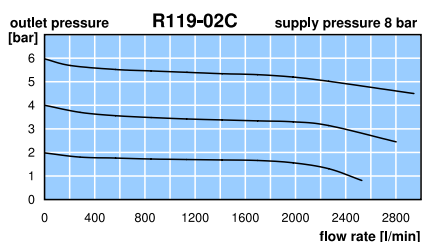


cross-section



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

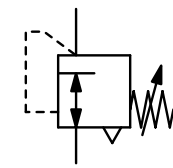
* Product group

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	
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



G¼ up to G3

Standard

2

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

„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	R119-10C
							0.5 ... 17	R119-10D
126	275	48	7.2	720	12 000	G1½	0.3 ... 9.0	R119-12C
							0.5 ... 17	R119-12D
186	300	79	35.4	2520	42 000	G2	0.2 ... 7.0	R119-16B
							0.8 ... 8.0	R119-16C
							1.5 ... 15	R119-16D
230	360	95	56.0	6000	100 000	G2½*3	0.2 ... 7.0	R119-20B
							0.8 ... 8.0	R119-20C
							1.5 ... 15	R119-20D
214	360	95	56.0	6600	110 000	G3	0.2 ... 7.0	R119-24B
							0.8 ... 8.0	R119-24C
							1.5 ... 15	R119-24D



R119-12



R119-16



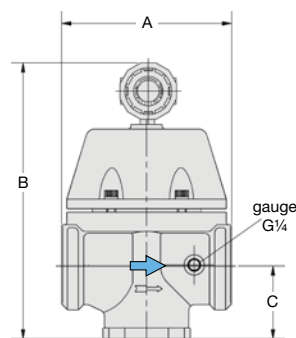
R119-16.F1
Zubehör Manometer

Special options, add the appropriate letter

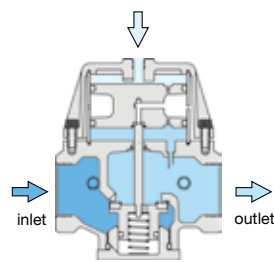
NPT	connection thread	for G2 to G3	R119-...N
non-relieving	without relieving function		R119-...K
FKM elastomer		for G¼ to G1½, G2½ and G3	R119-...X64
flange connection	according to EN-1092-1 or ASME B16.5	on request	R119-...F
PWIS-free	for painting plants		R119-...LA

Accessories, enclosed

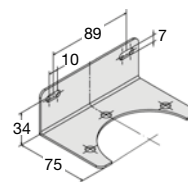
pressure gauge	Ø 50 mm, 0...*2 bar, G¼	for G¼ to G½	MA5002-...*2
	Ø 63 mm, 0...*2 bar, G¼	for G¾ to G3	MA6302-...*2
mounting bracket	made of steel	for G¼ and G½	BW00-22
		for G¾ to G1½	BW00-23
			BW00-24



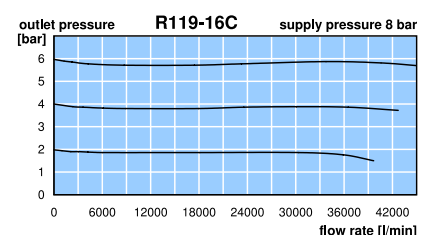
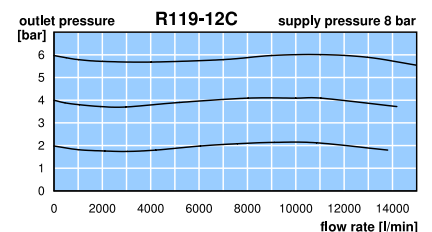
R119-16



cross-section



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

Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net

* Product group



Order example:
R119-10C