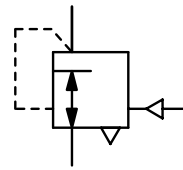


Description	Pilot-operated regulator adapted for control by small remote pilot regulator or by proportional pressure valve. Ideal for continuous high-capacity requirements where reduced pressure must be held constant over wide variations in flow. Booster with diaphragm up to regulator size G1½, with piston from regulator size G2 on. The booster is silicone-free.		
Media	compressed air or non-corrosive gases		
Supply pressure	max. 21 bar		
Pilot pressure	max. 18 bar		
Pilot port	G¼ at regulator size G¼ and G¾, pilot port G¼ from regulator size G½ on		
Air consumption	approx. 1 l/min of pilot signal		
Relieving function	relieving as standard, optionally non-relieving up to G1		
Gauge port	G¼ on both sides of the body		
Temperature range	0 °C to 50 °C / 32 °F to 122 °F up to 80 °C / 176 °F at G3		
Material	Body: zinc die-cast, aluminium by G2 to G3	Inner valve: brass	Mounting position any
	Diaphragm: NBR/Buna-N, optionally FKM	Bottom screw: reinforced nylon	



G¼ up to G3
110 000 l/min

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

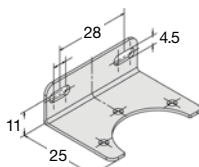
Booster			supply pressure max. 21 bar, outlet pressure 0.2 ... 18 bar with constant bleed, transmission ratio 1:1, relieving				R119-J	
70	86	35	5	2.1	102	1700	G¼	R119-02J
70	86	35	10	2.8	150	2500	G¾	R119-03J
83	98	37	15	5.0	340	5600	G½	R119-04J
113	123	49	20	7.6	540	9000	G¾	R119-06J
113	123	49	25	8.4	600	10000	G1	R119-08J
125	132	48	32	9.2	660	11000	G1¼³	R119-10J
125	132	48	40	10.0	720	12000	G1½	R119-12J
186	225	79	50	35.4	2520	42000	G2	R119-16J
186	225	79	65	37.1	2640	44000	G2½	R119-20J
214	282	95	80	56.0	6600	110000	G3	R119-24J

Special options, add the appropriate letter

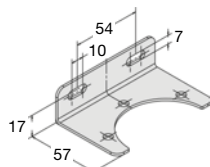
NPT	connection thread	for G2 to G3	R119-...JN
non-relieving	without relieving function	for G¼ to G1	R119-...JK
FKM elastomer		for G¼ to G1½	R119-...JX64
		for G3	R119-24JX64
		for G¼ to G1½	R119-...JX71
without constant bleed	insided the pilot chamber		R119-...JF
flange connection	see chapter for SST devices / flanges		
external feedback	for faster and increased accuracy	for G3	R119-24JX27
pre-pressure regulation	340 mbar, advisable if P ₁ is close to P ₂	for G3	R119-24JX06

Accessories, enclosed

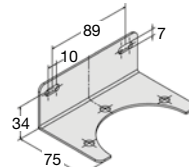
pressure gauge	Ø 50 mm, 0...² bar, G¼	for G¼ to G½	MA5002-²
	Ø 63 mm, 0...² bar, G¼	for G¾ to G3	MA6302-²
mounting bracket	made of steel	for G¼ and G¾	BW00-22
		for G½	BW00-23
		for G¾ to G1½	BW00-24



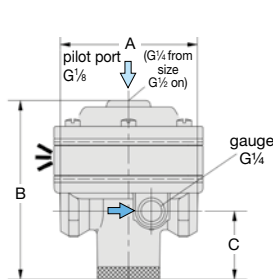
BW00-22



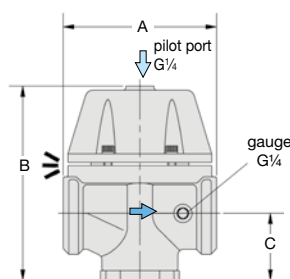
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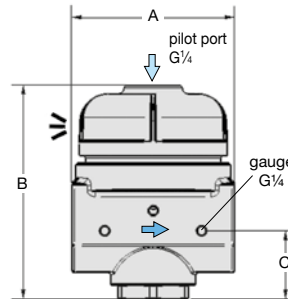
BW00-24



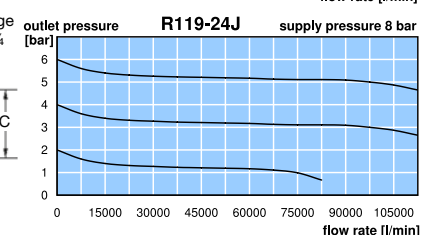
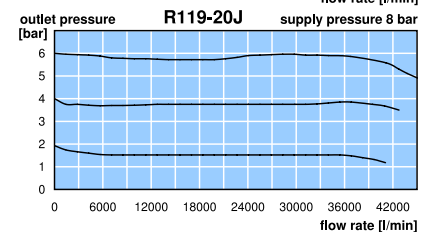
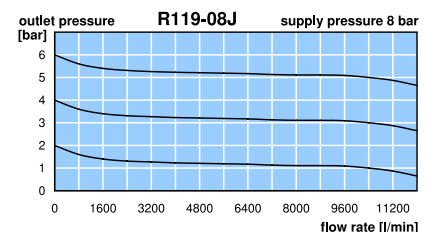
R119-02J...-12J



R119-16J/-20J



R119-24J



*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, 10 = 0...10 bar, 16 = 0...16 bar, 25 = 0...25 bar

Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net

* Product group



Order example:
R119-02J