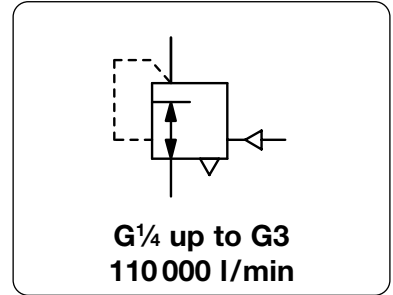


| | | |
|---------------------------|--|--|
| Description | Pilot-operated regulator adapted for control by small remote pilot regulator or by proportional pressure valve. Ideal for continuous high-capacity requirements where reduced pressure must be held constant over wide variations in flow. Booster 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 Diaphragm: NBR/Buna-N, optionally FKM | Mounting position any Inner valve: brass Bottom screw: reinforced nylon |



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

| Booster | | | supply pressure max. 21 bar, outlet pressure 0.2 ... 18 bar with constant bleed, | transmission ratio 1:1, | 18 bar 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 | G1¼ ³ | 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 |

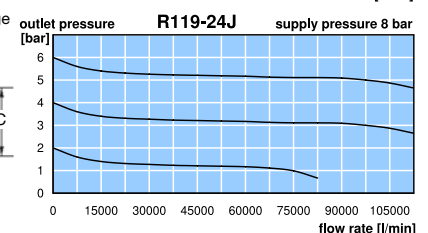
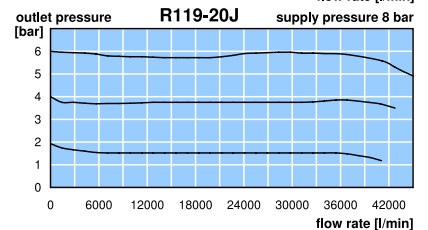
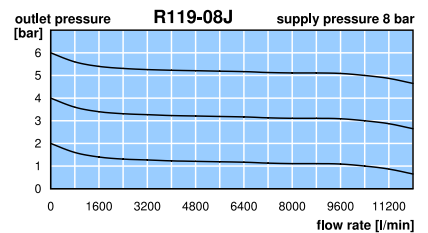
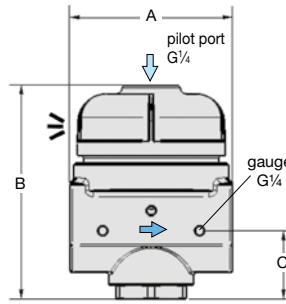
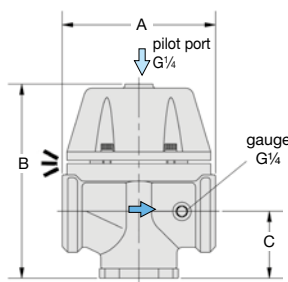
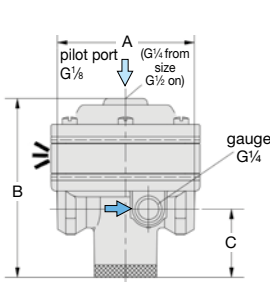
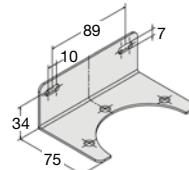
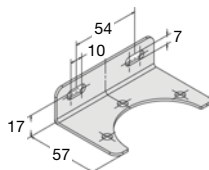
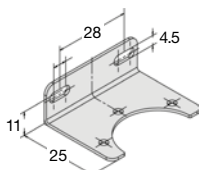
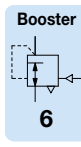


Special options, add the appropriate letter

| | | | |
|--------------------------------|--|---------------|--------------|
| 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 |
| without constant bleed | insided the pilot chamber | for G¼ to G1½ | R119-...JX71 |
| flange connection | see chapter for SST devices / flanges | | R119-...JF |
| 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 |



*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

* Product group

Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net



Order example:
R119-02J