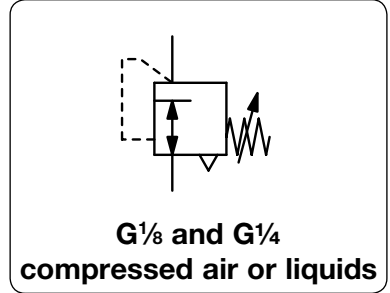


| | | |
|---------------------------|---|---|
| Description | R310: Diaphragm pressure regulator made of brass without constant bleed. R309: Precision pressure regulator with highly accurate inner valve and sensitive convoluted diaphragm. Of proven reliability and durability and designed for precise pressure regulation in the event of disturbances in flow, supply pressure or temperature. With very high capacity relief valve. | |
| Media | compressed air, non-corrosive gases or liquids | |
| Supply pressure | max. 25 bar for R310, max. 14 bar for R309 and R310-15 | |
| Adjustment | by plastic knob with snap-lock | |
| Relieving function | relieving, optionally non-relieving for R310 | |
| Gauge port | R310: G $\frac{1}{8}$ on both sides of the body, one screw plug supplied | R309: not available |
| Mounting position | any | |
| Temperature range | 0 °C to 60 °C / 32 °F to 140 °F for NBR / Buna-N 0 °C to 80 °C / 32 °F to 176 °F for FKM or EPDM for appropriately conditioned compressed air down to -30 °C / -22 °F | |
| Material | Body: brass Spring cage: POM | Elastomer: NBR/Buna-N, optionally FKM or EPDM, e.g. for brake fluid Inner valve: stainless steel and brass |



| Dimensions | | | Flow rate | Supply pressure | Connection thread | Pressure range | Order number |
|------------|----|----|-----------|-----------------|-------------------|----------------|--------------|
| A | B | C | | | | | |
| mm | mm | mm | l/min*1 | max. bar | G | bar | |

| Pressure regulator | | | | | | | supply pressure max. 25 bar, relieving, gauge port G $\frac{1}{8}$, inlet pressure-compensated | R310 |
|--------------------|----|------|-----|----|-----------------|-----------|---|------|
| 40 | 80 | 16.5 | 220 | 25 | G $\frac{1}{8}$ | 0.1... 3 | R310-01B | |
| | | | | | | 0.4... 10 | R310-01D | |
| | | | | | | 0.5... 16 | R310-01E | |
| 40 | 80 | 16.5 | 220 | 25 | G $\frac{1}{4}$ | 0.1... 3 | R310-02B | |
| | | | | | | 0.4... 10 | R310-02D | |
| | | | | | | 0.5... 16 | R310-02E | |

| Precision press. regulator | | | | | | | P1: max. 14 bar, relieving, inlet pressure-compensated without constant bleed, suitable for oxygen | R309 |
|----------------------------|----|----|-----|----|-----------------|----------|--|------|
| 36 | 77 | 15 | 220 | 14 | G $\frac{1}{8}$ | 0.1... 3 | R309-01B | |
| | | | | | | 0.4... 6 | R309-01C | |



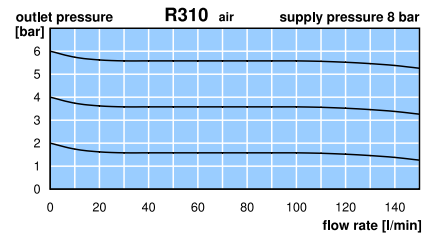
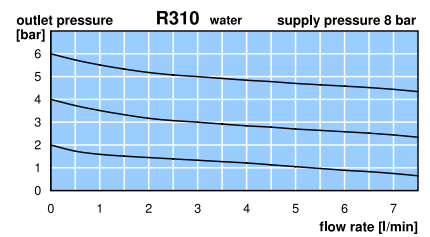
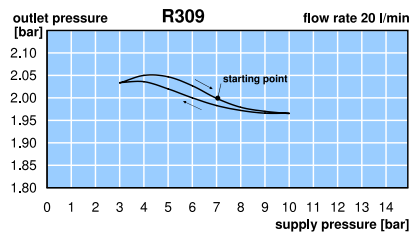
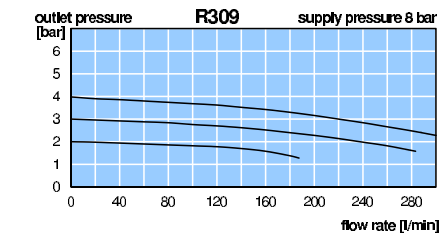
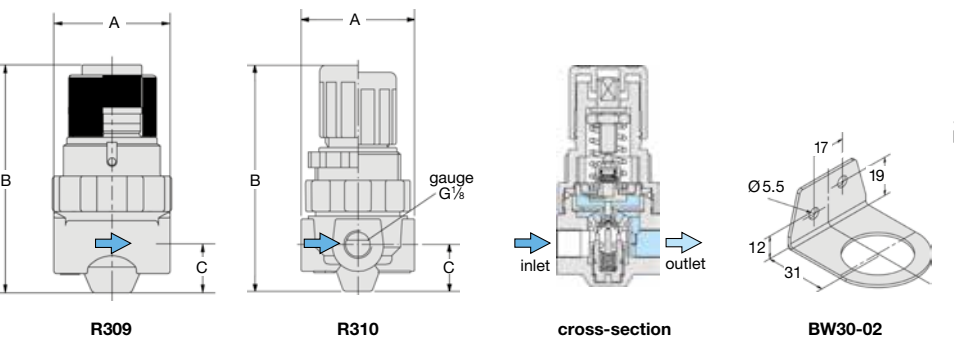
Special options, add the appropriate letter or number

| | | |
|-----------------------|---|----------------|
| non-relieving | without relieving function | R310-0 . . K |
| for oxygen | specially cleaned, P ₁ : max. 14 bar, P ₂ : max. 10 bar | R310-0 . . K15 |
| FKM elastomer | | R310-0 . . V |
| EPDM elastomer | non-relieving, e.g. for brake fluid | R310-0 . . KE |



Accessories, enclosed

| | | | |
|-------------------------|--------------------------------------|-----------|--------------|
| pressure gauge | Ø 40 mm, 0...*2 bar, G $\frac{1}{8}$ | R310 only | MA4001-...*2 |
| mounting bracket | made of steel | | BW30-02 |
| mounting nut | made of plastic | | M30x1,5K |
| | made of brass | | M30x1,5M |



*1 for compressed air: 8 bar supply pressure, 4 bar outlet pressure and 1 bar pressure drop
*2 01 = 0...1 bar, 04 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar