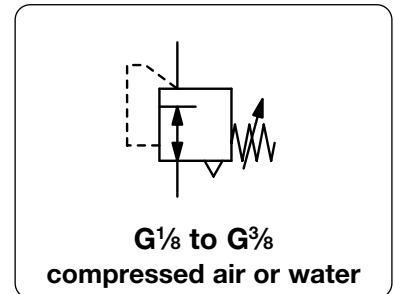


| | | | |
|---------------------------|---|--|--|
| Description | Miniature pressure regulator with diaphragm, designed for compressed air and water applications. All internal wetted sections are corrosion-resistant, lead free and without any brass components. Regulator for modular application with many integrated fixing holes. | | |
| Media | compressed air, non-corrosive gases or water | | |
| Supply pressure | max. 11 bar | | |
| Adjustment | by plastic knob with snap-lock | | |
| Relieving function | relieving for air, non-relieving for water | | |
| Gauge port | G $\frac{1}{8}$ on both sides of R25, | G $\frac{1}{4}$ on both sides of R45, screw plugs supplied | |
| Mounting position | any | | |
| Temperature range | 0 °C to 50 °C / 32 °F to 122 °F | | |
| Material | Body: glass fibre-reinforced acetal Inner valve: glass fibre-reinforced acetal | Elastomer: NBR/Buna-N | |



| Dimensions | | | Flow rate | | Connection | Pressure | Order no. | Order no. for |
|------------|----|----|-----------|---------|------------|----------|---------------|----------------|
| A | B | C | water | air | thread | range | for water | compressed air |
| mm | mm | mm | l/min*1 | l/min*1 | G | bar | non-relieving | relieving |

| Pressure regulator | | | | | | | supply pressure max. 11 bar | R25 |
|--------------------|----|----|---|-----|-----------------|---------|-----------------------------|----------------|
| 40 | 78 | 12 | 3 | 150 | G $\frac{1}{8}$ | 0...1.0 | R25-010K | R25-010 |
| | | | | | | 0...1.8 | R25-01AK | R25-01A |
| | | | | | | 0...4.0 | R25-01BK | R25-01B |
| | | | | | | 0...9.0 | R25-01CK | R25-01C |
| 40 | 78 | 12 | 3 | 150 | G $\frac{1}{4}$ | 0...1.0 | R25-020K | R25-020 |
| | | | | | | 0...1.8 | R25-02AK | R25-02A |
| | | | | | | 0...4.0 | R25-02BK | R25-02B |
| | | | | | | 0...9.0 | R25-02CK | R25-02C |



| Pressure regulator for high flow | | | | | | | supply pressure max. 11 bar | R45 |
|----------------------------------|----|----|----|-----|-----------------|---------|-----------------------------|----------------|
| 52 | 87 | 14 | 10 | 680 | G $\frac{1}{4}$ | 0...1.8 | R45-02AK | R45-02A |
| | | | | | | 0...4.0 | R45-02BK | R45-02B |
| | | | | | | 0...9.0 | R45-02CK | R45-02C |
| 52 | 87 | 14 | 13 | 960 | G $\frac{3}{8}$ | 0...1.8 | R45-03AK | R45-03A |
| | | | | | | 0...4.0 | R45-03BK | R45-03B |
| | | | | | | 0...9.0 | R45-03CK | R45-03C |

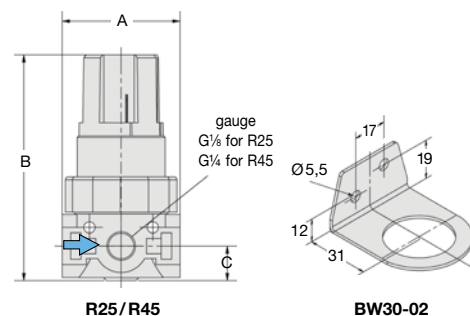
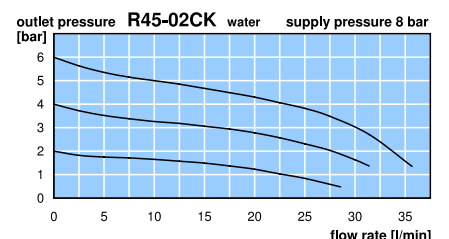
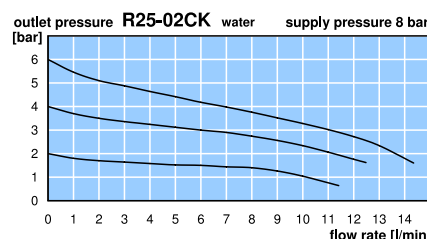
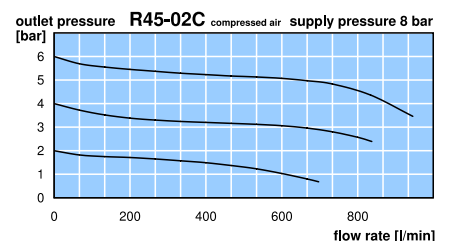
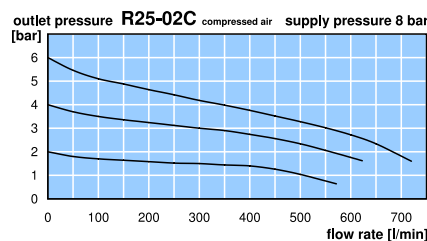


Special options, add the appropriate letter

| | | |
|------------------------|--|-------------------|
| adjustment lock | socket wrench adjustment, height 64 mm | R25 only R25-0..T |
| EPDM-Elastomerc | | R.5-0..E |

Accessories, enclosed

| | | |
|-------------------------|--|--|
| pressure gauge | Ø 40 mm, 0...*2 bar, G $\frac{1}{8}$ Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$ | for R25 MA4001-..*2 for R45 MA5002-..*2 |
| mounting bracket | made of steel | BW30-02 |
| mounting nut | made of plastic made of aluminium | R05X51 M30x1,5A |



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop, for water supply pressure 2 bar above outlet pressure
*2 01 = 0...1 bar, 02 = 0...2.5 bar, 04 = 0...4 bar, 10 = 0...10 bar

Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net

* Product group



Order example:
R25-010K