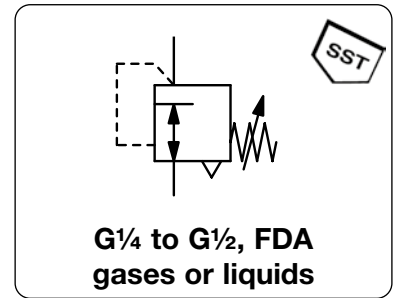


| | | | |
|---------------------------|---|-----------------------|-------------------------------------|
| Description | Diaphragm pressure regulator made of stainless steel in robust design. Pre-pressure compensated and independent of supply pressure fluctuation. | | |
| Media | compressed air, gases or liquids | | |
| Supply pressure | see chart, max. 16 bar | | |
| Accuracy | setting accuracy: < 0.5% FS; | Repeatability: | < 1.5% FS |
| Air Consumption | without air consumption | | |
| Adjustment | by adjusting screw, with lock nut | | |
| Relieving function | relieving, optionally non-relieving | | |
| Gauge port | G $\frac{1}{4}$ on both sides of the body, one screw plug supplied | | |
| Mounting position | any | | |
| Temperature range | 0 °C to 80 °C / 32 °F to 176 °F ,for appropriately conditioned compressed air down to -20 °C / -4 °F | | |
| Material | Body: stainless steel 316L, W.-Nr. 1.4436 | O-ring: FKM | Internal parts: stainless steel 302 |
| | Diaphragm: NBR/Buna-N with PTFE coating | | |



| Dimensions | | | Flow rate | | Supply pressure | Connection thread | Pressure range | Order number |
|------------|---|---|-------------|---------|-----------------|-------------------|----------------|--------------|
| A | B | C | m 3 /h*1 | l/min*1 | max. bar | G | bar | |

| Precision pressure regulator | | | | | | | | supply pressure max. 10 bar, relieving | R3150 |
|------------------------------|-----|----|-----|------|----|-----------------|--------------|--|------------------|
| 105 | 158 | 39 | 48 | 800 | 10 | G $\frac{1}{4}$ | 0.02 ... 1.5 | | R3150-02A |
| | | | 84 | 1400 | 10 | | 0.03 ... 3.0 | | R3150-02B |
| | | | 132 | 2600 | 16 | | 0.05 ... 10 | | R3150-02C |
| 80 | 158 | 39 | 72 | 1200 | 10 | G $\frac{1}{2}$ | 0.02 ... 1.5 | | R3150-04A |
| | | | 108 | 1800 | 10 | | 0.03 ... 3.0 | | R3150-04B |
| | | | 156 | 2600 | 16 | | 0.05 ... 10 | | R3150-04C |



R3150-02
Accessory: pressure gauge

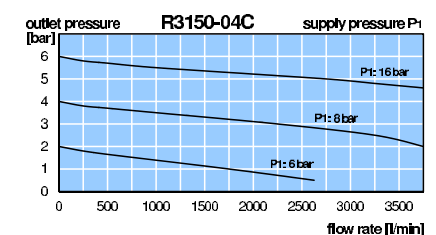
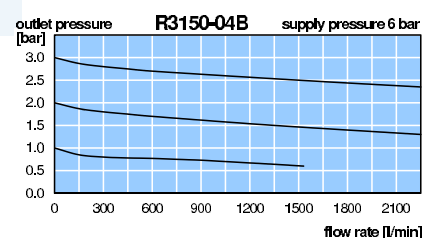
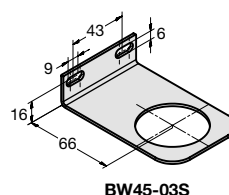
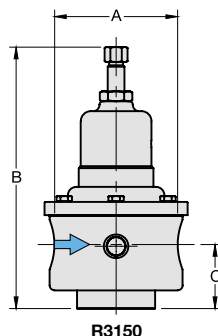
Special options, add the appropriate letter or number

| | | |
|-----------------------|-------------------|----------------|
| NPT | connection thread | R3150-0. .N |
| non-relieving | for liquids | R3150-0. .K |
| EPDM o-ring | | R3150-0. .E |
| EPDM o-ring | FDA approval | R3150-0. .TD |
| SST diaphragm | FKM o-ring | R3150-0. .S |
| | EPDM o-ring | R3150-0. .SE |
| ammonia | NH $_3$ | R3150-0. .K 02 |
| carbon dioxide | CO $_2$ | R3150-0. .K 03 |
| argon | Ar | R3150-0. .K 05 |
| nitrogen | N $_2$ | R3150-0. .K 07 |
| helium | He | R3150-0. .K 09 |
| hydrogen | H $_2$ | R3150-0. .K 11 |
| methane | CH $_4$ | R3150-0. .K 13 |
| natural gas *3 | | R3150-0. .K 14 |
| oxygen | O $_2$ | R3150-0. .K 15 |
| propane | C $_3$ H $_8$ | R3150-0. .K 16 |
| nitrous oxide | N $_2$ O | R3150-0. .K 17 |
| water | H $_2$ O | R3150-0. .K W |



Accessories, enclosed

| | | |
|-------------------------|--------------------------------------|--------------------|
| pressure gauge | Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$ | MS5002-..*2 |
| mounting bracket | | BW45-03S |
| mounting nut | | M45x1,5S |



*1 see diagramm
*2 02 = 0...2.5 bar, 04 = 0...4 bar, 10 = 0...10 bar *3 without DVGW-approval

Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net

Order example:
R3150-02A