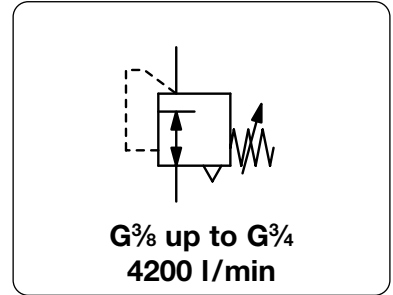


PRECISION PRESSURE REGULATOR WITHOUT CONSTANT BLEED

R400

| | | |
|---------------------------|--|---------------------------------------|
| Description | The diaphragm regulator provides high-precision regulation in high flow and high relief applications. A sensitive rolling diaphragm and balanced inner valve ensure constant outlet pressure even with changing supply pressure and flow fluctuations. | |
| Media | compressed air or non-corrosive gases | |
| Supply pressure | max. 18 bar | |
| Accuracy | response sensitivity: < 2 mbar | |
| Air consumption | without constant bleed | |
| Adjustment | by handwheel with locknut | |
| Relieving function | relieving | |
| Relief capacity | 1000 l/min at 1.5 bar outlet and 0.35 bar overpressure above setpoint | |
| Gauge port | G $\frac{1}{4}$ on both sides of the body, screw plugs supplied | |
| Temperature range | 0 °C to 90 °C / 32 °F to 194 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F | |
| Material | Body: aluminium die-cast | Elastomer: NBR/Buna-N, optionally FKM |
| | Inner valve: stainless steel, brass, aluminium and steel | |



| Dimensions | | | K _v -value (m ³ /h) | Flow rate | | Connection thread G | Pressure range bar | Order number |
|------------|---|---|--|---------------------|---------|------------------------|-----------------------|--------------|
| A | B | C | | m ³ /h*1 | l/min*1 | | | |

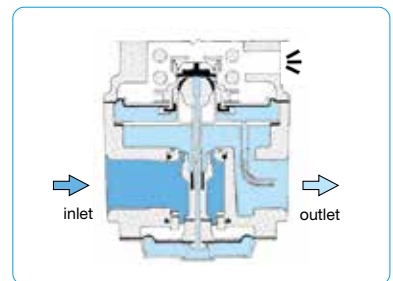
| Precision pressure regulator | | | | | | | supply pressure max. 18 bar, relieving, without constant bleed | R400 |
|------------------------------|-----|----|------|-----|------|-----------------|--|----------|
| 89 | 206 | 39 | 2.12 | 228 | 3800 | G $\frac{3}{8}$ | 0.03 ... 0.7 | R400-031 |
| | | | | | | | 0.03 ... 2.0 | R400-03A |
| | | | | | | | 0.07 ... 4.0 | R400-03B |
| | | | | | | | 0.15 ... 10 | R400-03C |
| | | | | | | | 0.35 ... 17 | R400-03D |
| 89 | 206 | 39 | 2.23 | 240 | 4000 | G $\frac{1}{2}$ | 0.03 ... 0.7 | R400-041 |
| | | | | | | | 0.03 ... 2.0 | R400-04A |
| | | | | | | | 0.07 ... 4.0 | R400-04B |
| | | | | | | | 0.15 ... 10 | R400-04C |
| | | | | | | | 0.35 ... 17 | R400-04D |
| 89 | 206 | 39 | 2.34 | 252 | 4200 | G $\frac{3}{4}$ | 0.03 ... 0.7 | R400-061 |
| | | | | | | | 0.03 ... 2.0 | R400-06A |
| | | | | | | | 0.07 ... 4.0 | R400-06B |
| | | | | | | | 0.15 ... 10 | R400-06C |
| | | | | | | | 0.35 ... 17 | R400-06D |



R400

Special options, add the appropriate letter

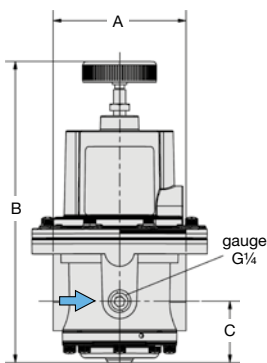
| | | |
|------------------|--|----------------|
| tapped exhaust | connection thread G $\frac{1}{4}$ | R400-0 . . X12 |
| NPT | connection thread | R400-0 . . N |
| tamper-proof cap | of aluminium, adjustment by screwdriver, total height 295 mm | R400-0 . . T |
| FKM elastomer | up to 10 bar | R400-0 . . V |



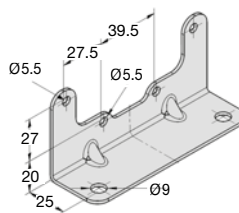
cross-section

Accessories, enclosed

| | | |
|------------------|--------------------------------------|--------------|
| pressure gauge | Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$ | MA6302-...*2 |
| mounting bracket | made of steel | BW00-47 |



R400



BW00-47

