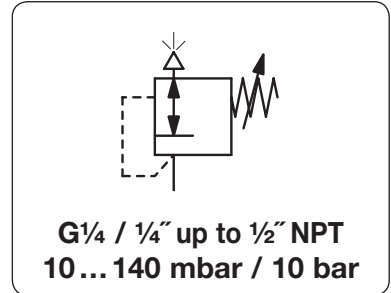


| | |
|--------------------------|---|
| Description | The back pressure regulator is a high-flow, high-precision pneumatic relief valve with adjustable setpoint. It provides protection against overpressure in the downstream section of pneumatic systems. A convoluted diaphragm provides the sensitivity for venting to the atmosphere in response to the slightest upstream change. |
| Media | compressed air or non-corrosive gases |
| Overpressure | max. 17 bar |
| Adjustment | by handwheel with locknut |
| Gauge port | G $\frac{1}{4}$ on both sides of the body, screw plugs supplied |
| Mounting position | any |
| Temperature range | 0 °C to 70 °C / 32 °F to 158 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F |
| Material | Body: aluminium die-cast Elastomer: NBR/Buna-N Inner valve: stainless steel and brass |



| Dimensions | | | Relief capacity l/min*1 | Over-pressure max. bar | Connection thread G | Adjustment range bar | Order number |
|------------|---|---|----------------------------|---------------------------|---------------------------|----------------------------|-----------------|
| A | B | C | | | | | |

| Precision back pressure regulator | | | | overpressure max. 17 bar | R240 | | |
|-----------------------------------|-----|----|------|--------------------------|-----------------|--------------|----------|
| 67 | 154 | 19 | 1100 | 17 | G $\frac{1}{4}$ | 0 ... 0.14 | R240-020 |
| | | | | | | 0 ... 0.7 | R240-02A |
| | | | | | | 0 ... 2.1 | R240-02B |
| | | | | | | 0.07 ... 4.1 | R240-02C |
| | | | | | | 0.14 ... 10 | R240-02D |



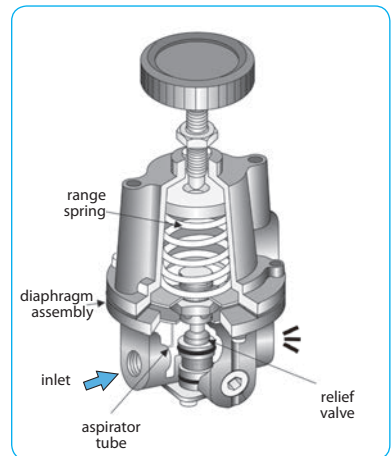
R240

Special options, add the appropriate letter

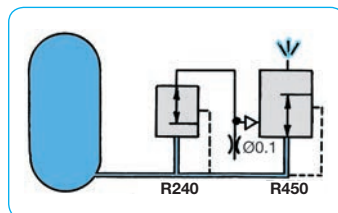
| | | |
|--------------------------------------|---|-------------|
| $\frac{1}{4}$" NPT | connection thread | R240-02 . N |
| $\frac{3}{8}$" NPT | connection thread | R240-03 . N |
| $\frac{1}{2}$" NPT | connection thread, recommended for mbar range | R240-04 . N |
| tamper-proof cap | made of aluminium, adjustment by screwdriver, total height 157 mm | R240-0 . T |

Accessories, enclosed

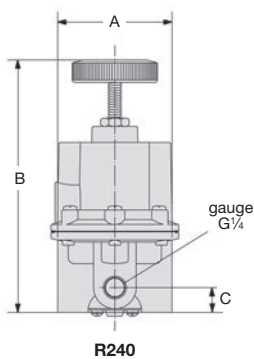
| | | |
|-------------------------|--|-------------|
| pressure gauge | \varnothing 50 mm, 0 ... *2 bar, G $\frac{1}{4}$, Bourdon tube, from 1 bar on | MA5002-..*2 |
| | \varnothing 63 mm, 0 ... 160 mbar, G $\frac{1}{4}$, capsule type | MA6302-C2 |
| mounting bracket | made of steel | BW00-33 |



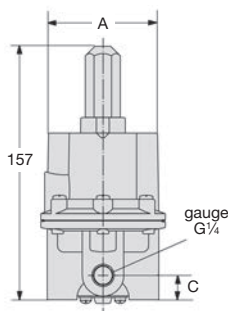
cross section



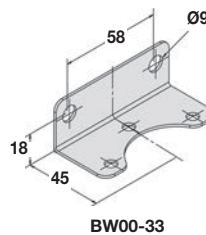
Example: back pressure regulator with high flow and sensitivity



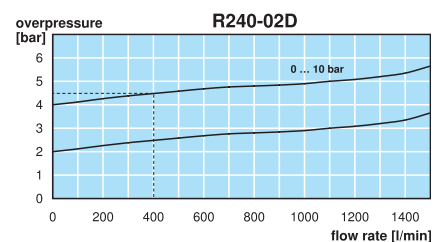
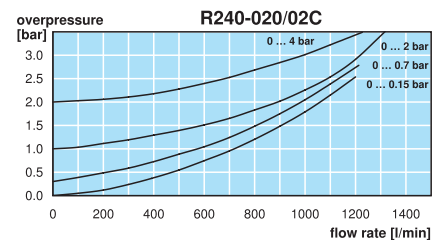
R240



R240-...T
with tamper-proof cap



BW00-33



*1 at 5 bar overpressure and open outlet
*2 01 = 0 ... 1 bar, 02 = 0 ... 2.5 bar, 06 = 0 ... 6 bar, 10 = 0 ... 10 bar, 16 = 0 ... 16 bar



Order example:
R240-020
China website: www.duray-control.cn