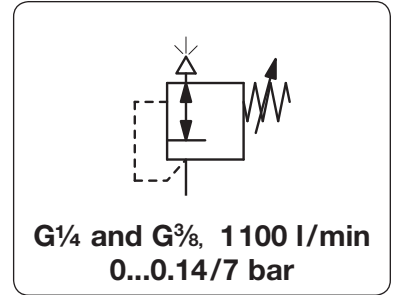


# Precision Back Pressure Regulator, small and lightweight

DB300

|                          |  |
|--------------------------|--|
| <b>Description</b>       | Diaphragm back pressure regulators protect pneumatic devices against overpressure. If the pressure exceeds the setpoint, the pressure valve exhausts to the atmosphere until the pressure level is below the setpoint. It is advisable to select the pressure range as near as possible to the maximum setpoint. |
| <b>Media</b>             | compressed air or non-corrosive gases  |
| <b>Overpressure</b>      | max. 10 bar  |
| <b>Accuracy</b>          | response sensitivity <2 mbar   |
| <b>Adjustment</b>        | by handwheel with locknut  |
| <b>Gauge port</b>        | G $\frac{1}{8}$ on both sides of the body, screw plugs supplied  |
| <b>Mounting position</b> | any  |
| <b>Temperature range</b> | 0 °C to 90 °C / 32 °F to 194 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F  |
| <b>Material</b>          | Body: aluminium die-cast<br>Elastomer: NBR/Buna-N, optionally FKM<br>Inner valve: brass  |



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

| Precision back pressure regulator |     |    |      |    |                 |               | overpressure max. 10 bar | DB300 |
|-----------------------------------|-----|----|------|----|-----------------|---------------|--------------------------|-------|
| 57                                | 126 | 19 | 1100 | 10 | G $\frac{1}{4}$ | 0.001... 0.14 | DB300-020                |       |
|                                   |     |    |      |    |                 | 0.01 ... 0.7  | DB300-021                |       |
|                                   |     |    |      |    |                 | 0.03 ... 2.0  | DB300-02A                |       |
|                                   |     |    |      |    |                 | 0.07 ... 4.0  | DB300-02B                |       |
|                                   |     |    |      |    |                 | 0.14 ... 7.0  | DB300-02C                |       |
| 57                                | 126 | 19 | 1100 | 10 | G $\frac{3}{8}$ | 0.001... 0.14 | DB300-030                |       |
|                                   |     |    |      |    |                 | 0.01 ... 0.7  | DB300-031                |       |
|                                   |     |    |      |    |                 | 0.03 ... 2.0  | DB300-03A                |       |
|                                   |     |    |      |    |                 | 0.07 ... 4.0  | DB300-03B                |       |
|                                   |     |    |      |    |                 | 0.14 ... 7.0  | DB300-03C                |       |



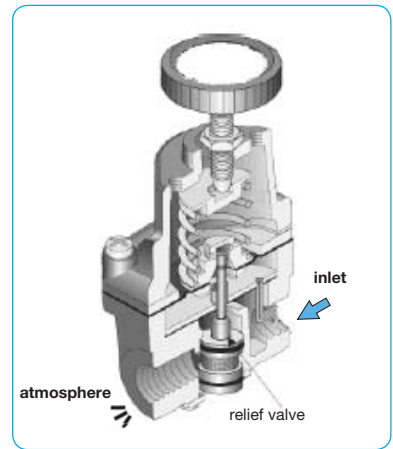
DB300

## Special options, add the appropriate letter

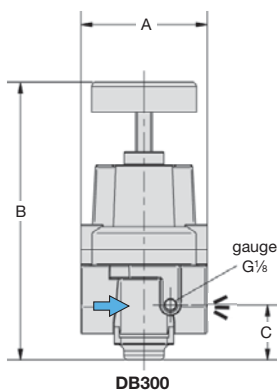
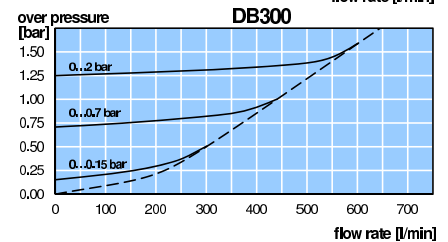
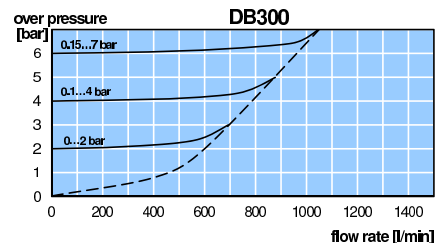
|                  |   |            |
|------------------|---|------------|
| NPT              | connection thread   | DB300-0..N |
| tamper-proof cap | aluminium, adjustment by screwdriver, total height 141 mm | DB300-0..T |
| FKM elastomer    |   | DB300-0..V |

## Accessories

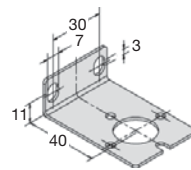
|                        |  |             |
|------------------------|--|-------------|
| pressure gauge         | Ø 63 mm, 0... 160 mbar, G $\frac{1}{4}$ -connecting parts required | MA6302-C2   |
|                        | Ø 50 mm, 0...*2 bar, G $\frac{1}{8}$                               | MA5001-..*2 |
| connecting parts gauge | for MA6302-C2  | AM-04       |
| mounting bracket       | made of steel  | BW00-46     |



cross-section



DB300



BW00-46

\*1 at 7 bar overpressure and open outlet  
\*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

Order example:  
DB300-020