

**Description**

The back pressure regulator is a high-precision piston-operated regulator and 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.

**Media**

compressed air, non-corrosive gases or liquids

**Overpressure**

690 bar, optionally 1034 bar

**Design proof pressure**

150 % maximum rated

**Adjustment**

by knob

**Cleaning**

according to CGA4.1 and ASTM G93

**Gauge port**

not available

**Temperature range**

-40 °C to 80 °C / -40 °F to 176 °F, optionally high-temperature version up to 200 °C / 392 °F

**Material**

Body: stainless steel 316

Seal: CTFE

Valve seat: Teflon up to pressure range 103 bar  
CTFE down to pressure range 172 bar

**Leakage**

bubble-tight

**Accuracy**

± 1 % of pressure range

**Mounting position**

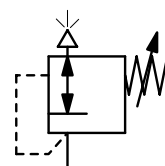
any

**O-Rings:**

NBR/Buna-N, opt. Urethane or FKM

**Inner valve:**

stainless steel 300



1/8" up to 1/2" NPT  
0.35 ... 34 / 1034 bar

**Dimensions**

A B C  
mm mm mm

**K<sub>v</sub>-value**

(m³/h)

**Over-pressure**

max. bar

**Connection thread**

NPT

**Adjustment range**

bar

**Order number****Relief / Back pressure regulator**

SST 316, free of grease and oil  
O-Rings: NBR/Buna-N, Teflon, PCTFE

**DB26**

|    |     |    |      |     |          |             |                 |
|----|-----|----|------|-----|----------|-------------|-----------------|
| 63 | 165 | 11 | 0.14 | 690 | 1/4" NPT | 0.35 ... 35 | <b>DB26-02A</b> |
|    |     |    | 0.14 |     |          | 0.35 ... 55 | <b>DB26-02B</b> |
|    |     |    | 0.10 |     |          | 0.7 ... 103 | <b>DB26-02C</b> |
|    |     |    | 0.10 |     |          | 1.0 ... 172 | <b>DB26-02D</b> |
|    |     |    | 0.10 |     |          | 1.7 ... 276 | <b>DB26-02E</b> |
|    |     |    | 0.10 |     |          | 3.4 ... 414 | <b>DB26-02F</b> |
|    |     |    | 0.10 |     |          | 14 ... 690  | <b>DB26-02G</b> |
| 85 | 165 | 11 | 0.14 | 690 | 1/2" NPT | 0.35 ... 35 | <b>DB26-04A</b> |
|    |     |    | 0.14 |     |          | 0.35 ... 55 | <b>DB26-04B</b> |
|    |     |    | 0.10 |     |          | 0.7 ... 103 | <b>DB26-04C</b> |
|    |     |    | 0.10 |     |          | 1.0 ... 172 | <b>DB26-04D</b> |
|    |     |    | 0.10 |     |          | 1.7 ... 276 | <b>DB26-04E</b> |
|    |     |    | 0.10 |     |          | 3.4 ... 414 | <b>DB26-04F</b> |
|    |     |    | 0.10 |     |          | 14 ... 690  | <b>DB26-04G</b> |

**DB26****Special options, add the appropriate letter or number****1/8" NPT**

connection thread

DB26-01.

**3/8" NPT**

DB26-03.

**gauge port**

for inlet pressure, inlet on the right, regulator horizontally

DB26-...M

**K<sub>v</sub>-value**

0.6 (m³/h)

DB26-...N

**Urethane o-rings**

for carbon dioxide (CO<sub>2</sub>)

DB26-...O

**FKM o-rings**

DB26-...V

**up to 200 °C / 392 °F**

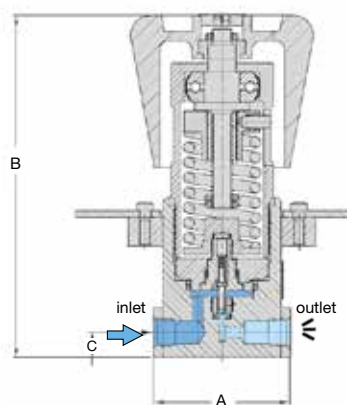
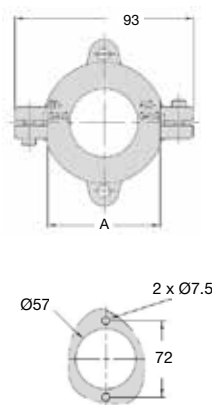
adjusting screw, Kalrez o-ring

DB26-...X54

**overpressure**

max. 1034 bar

DB26-...U

**DB26****panel-mounting**