

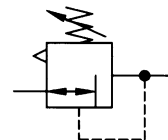


## Pressure regulating valve

Size 1

**RP 11**

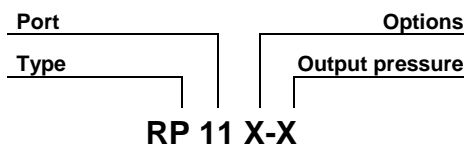
G 1/4

**0.1 to 3 bar**  
**0.2 to 6 bar**  
**0.5 to 10 bar**


### Characteristics

Type	RP 11
Port	G 1/4
Pressure gauge port	G 1/4
Type of construction	Diaphragm pressure regulator with self-relieving design <b>Lockable adjusting knob on request</b>
Max. input pressure $p_1$	16 bar
Own air consumption	2.6 l/min, depending on secondary pressure
Control range $p_2$	<b>0.1 to 3 bar / 0.2 to 6 bar</b> <b>0.5 to 10 bar / 0.5 to 16 bar on request</b>
Mounting position	Any
Mounting type	Panel mounting, hole $\varnothing 30.5$ Mounting bracket
Medium temperature	-10 to 60 °C
Ambient temperature	-10 to 60 °C
Weight [g]	330 / 430 with pressure gauge

### Ordering information



Port	
11	G 1/4
Options	
K	Lockable adjusting knob

**Order example:** RP 11 K-10

### Description

- Simple block mounting without tools using conical clamps
- Joiner sets (**KP 11**) required for block mounting
- Pressure setting can be locked by pushing the knob down
- Flow direction indicated by arrows
- **Entry in direction of arrow**
- **Independent of inlet pressure**
- Pressure gauge  $\varnothing 40$  included
- Lockable adjusting knob (**on request**)

### Materials

Part	Material
Head piece (body)	Z 410
Spring bonnet	POM-brass
Diaphragm	→ NBR-brass
Pressure spring	Galvanised steel
Valve cone with plastic pressure pin	→ NBR-brass
Counter-pressure spring	Stainless steel
O-ring 30 x 2	→ NBR
Bottom screw	POM
Spring bonnet, lockable	POM-Al
Lock cylinder	Brass

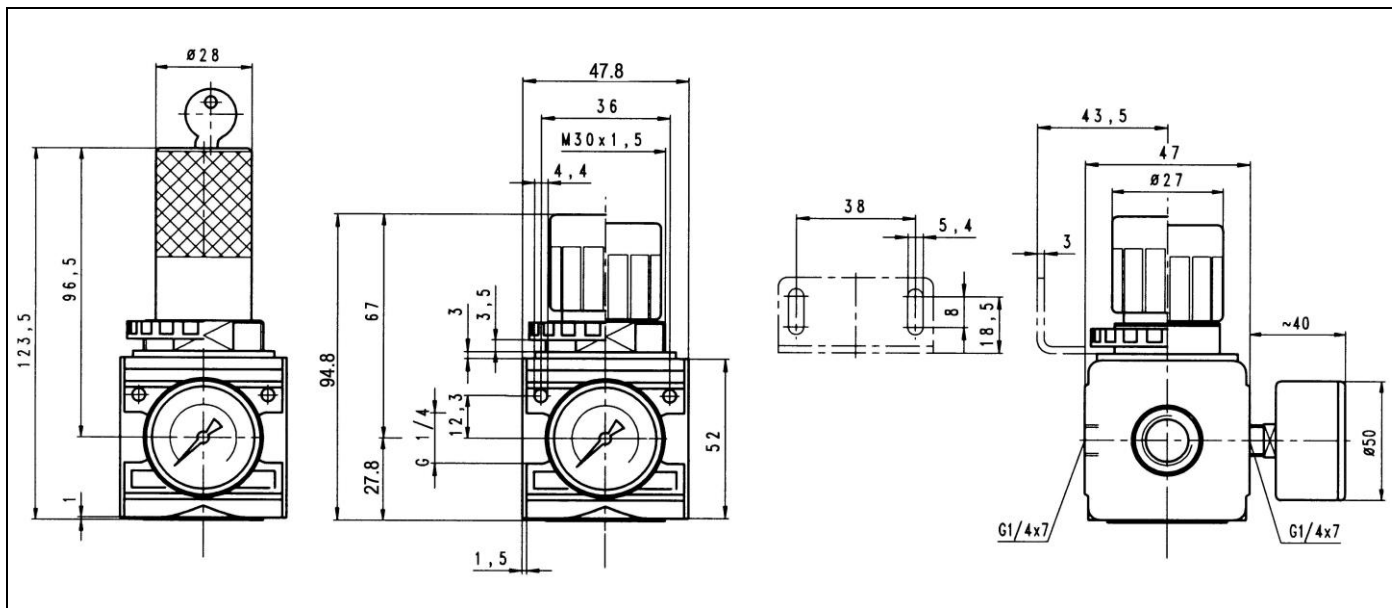
### Accessories

Designation	Order No.
Nut M 30 x 1.5	R 11-55
Mounting bracket with nut R 11-55	MV 30
Joiner set(s) for block mounting with other devices	KP 11
Joiner set for narrow diverter block	KP 11 Z
Mounting bracket with nut	MV 30

### Main spare parts

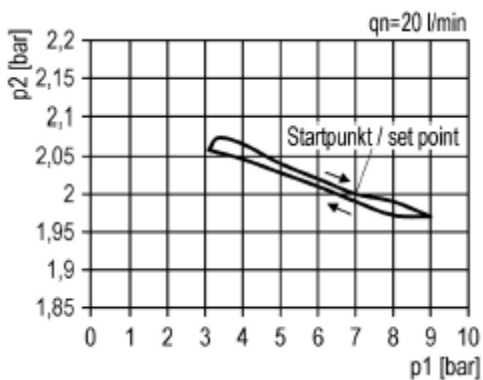
Part	Part No.
→ Set of wearing parts - Diaphragm, cmpl. - Valve cone, cmpl. - O-ring 30 x 2	22.1611.4
Pr. gauge $\varnothing 40$ , G1/4 0 to 4 bar	110.01-KD
0 to 10 bar	110.03-KD
0 to 16 bar	110.04-KD

## Dimensions [mm]

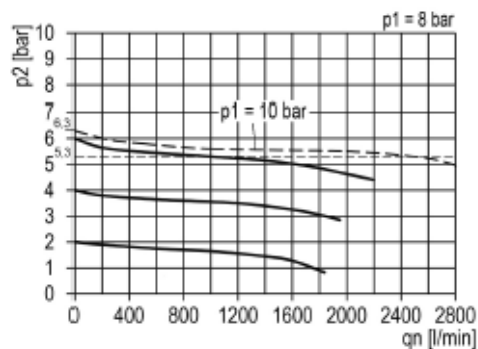


## Hysteresis

Hysteresis of  $p_2$  as a function of rising (falling)  $p_1$  at a constant draw-off rate  $Q_N$  20 l/min  
 Basic setting (starting point):  $p_1$ : 7.0 bar  
 $p_2$ : 2.0 bar



## Flow characteristic



## Flow rates

Flow rates at  $p_1 = 10$  bar

Art. No.		RP 11-3	RP 11-6	RP 11-10
Output pressure $p_2 = 6.3$ [bar]	$Q_N$ m <sup>3</sup> /h	150	150	150
Nominal flow ( $\Delta p = 1$ bar)	l/min	2500	2500	2500