



## Pressure regulator

Size 1

**R 11**

G 1/4

**R 12**

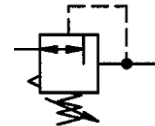
G 3/8

0.1 to 3 bar

0.2 to 6 bar

0.5 to 10 bar

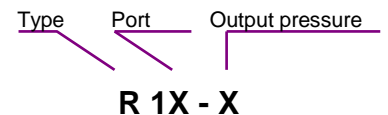
0.5 to 16 bar



### Characteristics

Type	R 11	R 12
Port	G 1/4	G 3/8
Pressure gauge port	G 1/4	
Type of construction	Diaphragm pressure regulator with self-relieving design  <b>Special versions on request</b> e.g. reverse flow port closed	
Max. input pressure $p_1$	16 bar	
Control range $p_2$	0.1 to 3 bar / 0.2 to 6 bar / 0.5 to 10 bar / 0.5 to 16 bar	
Mounting position	Any	
Mounting type	Panel mounting, hole $\varnothing 30.5$ Bracket or two through holes	
Medium temperature	Max. 60 °C (other temperature	
Ambient temperature	Max. 60 °C ranges on request)	
Weight [g]	330 / 415 with pressure gauge	

### Ordering information



Order example: R 11 - 10

#### Port

11	G 1/4
12	G 3/8

### Description

- Block design
- Simple block mounting with other devices using conical clamps and half threads
- 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
- Pressure gauge can be mounted at both ends
- Lockable adjusting knob (**on request**)

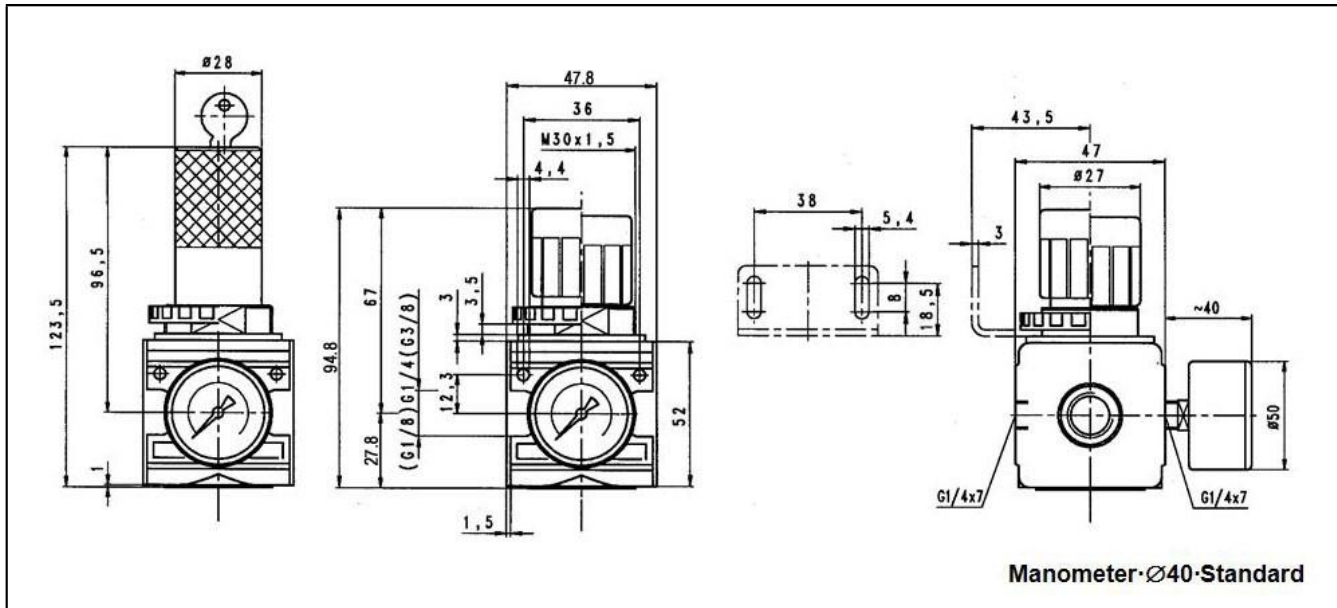
### Materials

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

### Main spare parts

Part	Part No.
→ Set of wearing parts - Diaphragm, cmpl. - Valve cone, cmpl. - O-ring 30x2	22.1811.4
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
0 to 25 bar	110.05-KD

## Dimensions [mm]

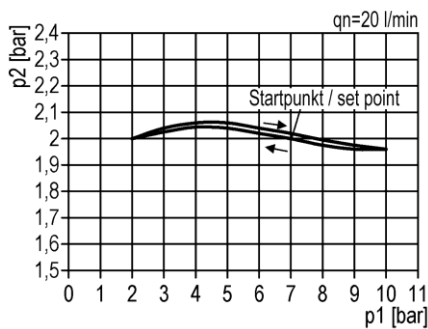


## Flow rates

Flow rates at  $p_1 = 10$  bar

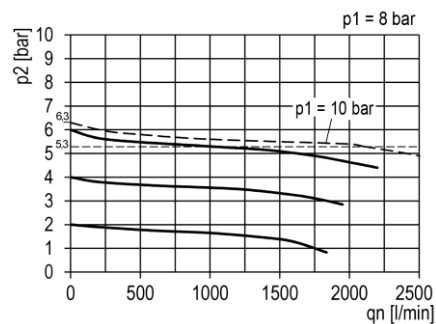
Art. No.		R 11 - 3	R 12 - 3
			R 11 - 6
		R 11 - 10	R 12 - 10
		R 11 - 16	R 12 - 16
Output pressure $p_2 = 6.3$ [bar]	QN m <sup>3</sup> /h	90	90
Nominal flow ( $\Delta p = 1$ bar)	l/min	2100	2100

## Hysteresis

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

## Flow characteristic

Control range 0.5 to 10 bar



## Accessories

Designation	Order No.
Nut M30x1.5	R 11-55
Mounting bracket with nut R 11-55	MV 30
Mounting bracket + 2 screws, compl.	ZW 11
Joiner set(s) for block mounting with other devices	KP 11
Joiner set for narrow diverter block	KP 11 Z