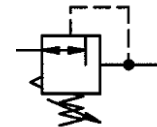




Pressure regulator

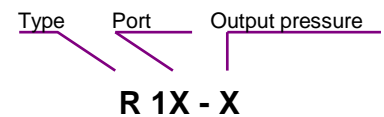
Size 1

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 Special versions on request 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	-10 to 60 °C (other temperature	
Ambient temperature	-10 to 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**)

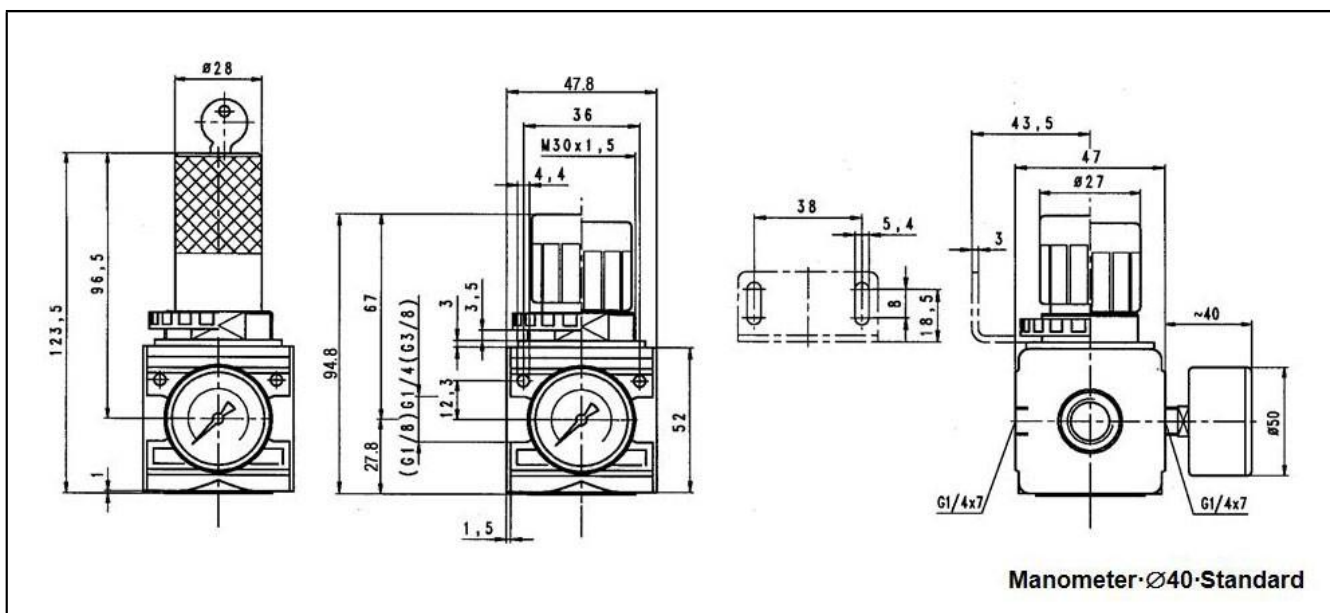
Main spare parts

Part	Part No.
→ Set of wearing parts - Diaphragm, compl. - Valve cone, compl. - 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

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

Dimensions [mm]



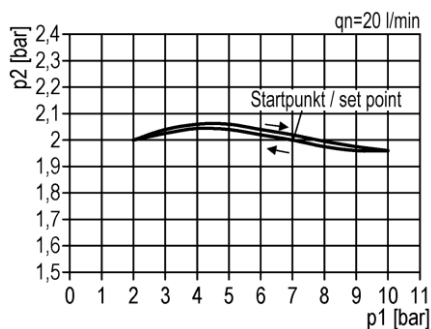
Flow rates

Flow rates at $p_1 = 10 \text{ bar}$

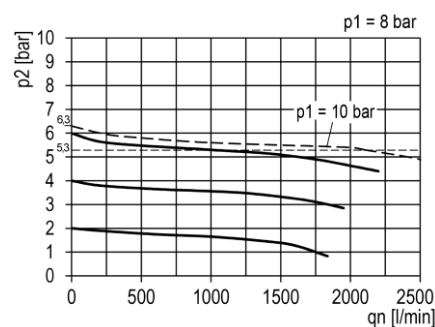
Art. No.		R 11 - 3 R 11 - 6 R 11 - 10 R 11 - 16	R 12 - 3 R 12 - 6 R 12 - 10 R 12 - 16
Output pressure $p_2 = 6.3 \text{ [bar]}$	QN m^3/h	126	126
Nominal flow ($\Delta p = 1 \text{ bar}$)	l/min	2100	2100

Hysteresis

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



Flow characteristic



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