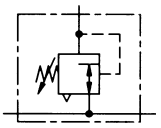
Pressure regulating valve

Size 0

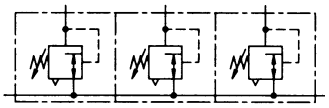
RB 06

G 1/4

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



Typical application



Characteristics

Type	RB 06
Port	**G 1/4**
Pressure gauge port	G 1/8
Type of construction	Diaphragm pressure regulator with self-relieving design **Lockable adjusting knob on request**
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**
Mounting position	Any
Mounting type	Panel mounting, hole ∅30.5 Mounting bracket
Medium temperature Ambient temperature	Max. 60°C Max. 60°C
Weight [g]	260 / 310 with pressure gauge

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 16 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 05

Ordering information

Port	
06	**G 1/4**
Options	
K	**Lockable** adjusting knob

Order example: RB 06 **K**-10

Description

- Simple block mounting without tools using conical clamps **(Pin max. 12 bar)**
- Joiner sets (**KP 05**) 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 ∅40 included
- Lockable adjusting knob **(on request)**

Main spare parts

Part	Part No.
➔ **Set of wearing parts** - Diaphragm, cmpl. - Valve cone, cmpl. - O-ring 16 x 2	**22.1805.4**

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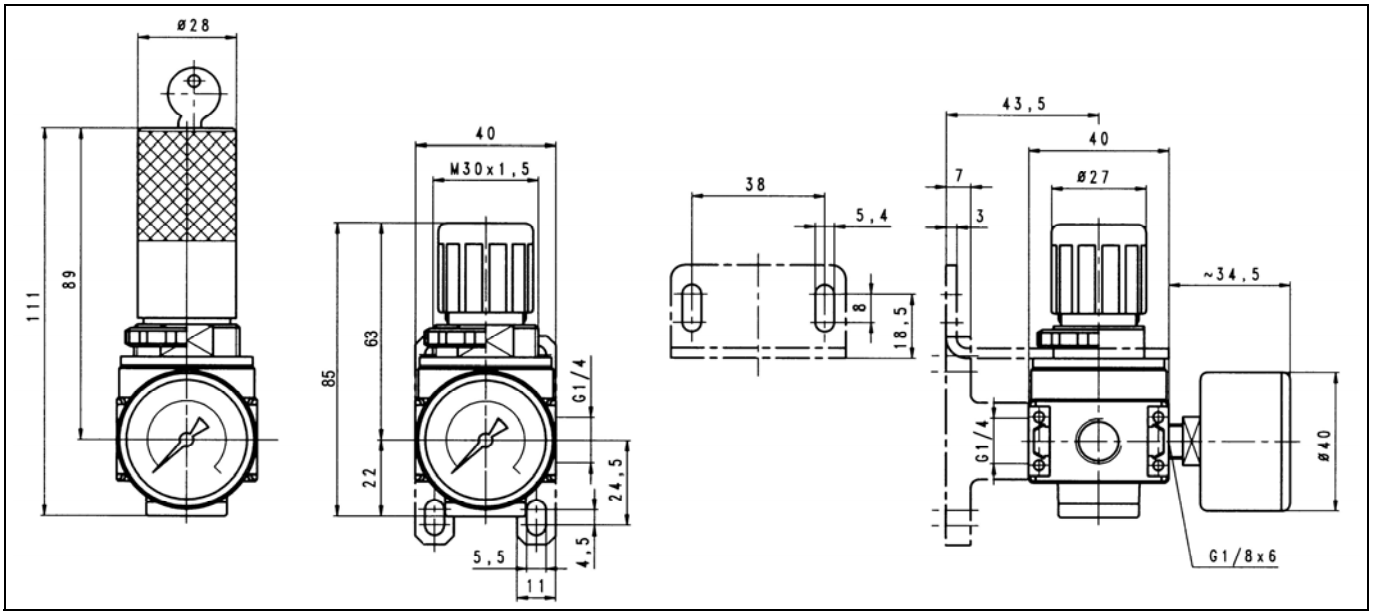
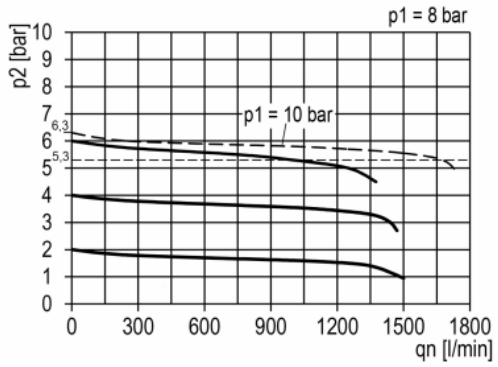
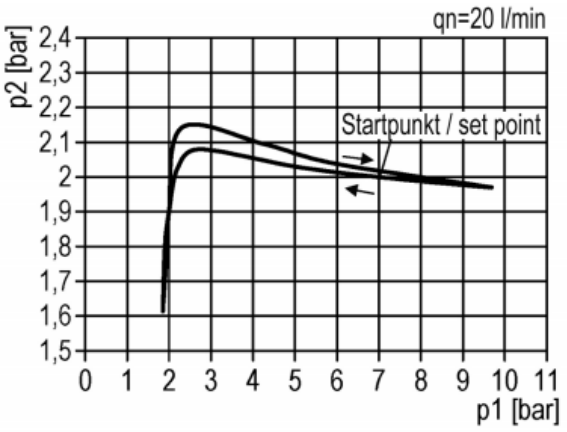
Dimensions [mm]



Flow characteristic



Hysteresis

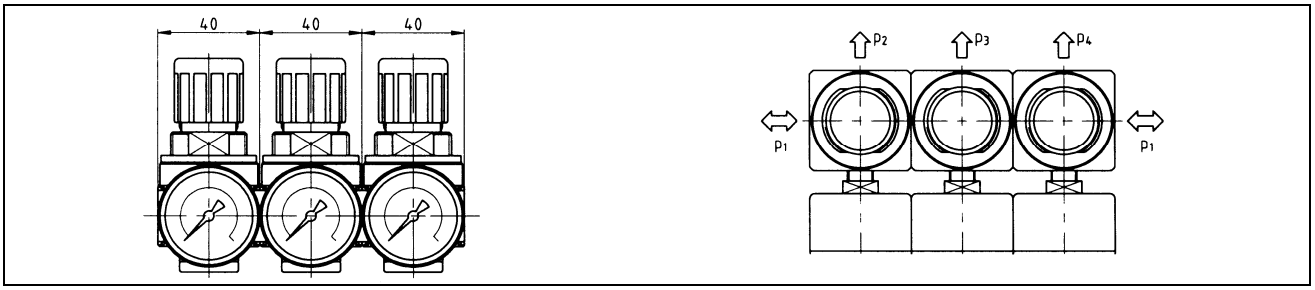


Flow rates

Flow rates at p_1 = **10 bar**

Art. No.		RB 06-3	RB 06-6	RB 06-10
Output pressure p_2 = **6.3** [bar] Nominal flow (Δp = 1 bar)	QN l/min	1700	1700	1700

Typical application



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