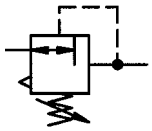
Pressure regulating valve

Size 0

482.10 A to 482.20

G 1/8 **G 1/4**

0,1 to 3 bar
0.2 to 6 bar
0.5 to 10 bar
0.5 to 16 bar



Characteristics

Order No.	**482.10**
Port	**G 1/8**
Order No.	**482.20**
Port	**G 1/4**
Pressure gauge port	G 1/8
Type of construction	Diaphragm pressure regulator with self-relieving design Virtually independent of inlet pressure
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 / **note direction of arrow**
Mounting type	Panel mounting, hole ∅30.5 Bracket
Medium temperature Ambient temperature	-10 °C to 60 °C -10 °C to 60 °C
Weight [g]	350 / 400 with pressure gauge

Materials

Part		Material
Head piece (body)		Brass
Spring bonnet/adjusting screw		POM
Diaphragm	➔	NBR-brass
Pressure spring		Galvanised steel
Valve cone	➔	NBR-brass
Counter-pressure spring		Stainless steel
O-ring 9 x 1.5	➔	NBR
Valve seat		Brass

Accessories

Designation	Order No.
Nut M 30 x 1.5	R 11-55
Mounting bracket with nut	MV 30
Double nipple G 1/4	252.61
Double nipple G1/4 (conical)	252.301-N

Ordering information

Type Port Control range

482.**X**0 **X**

Example: 482.**2**0 **C**

Port	
10	**G 1/8**
20	**G 1/4**
Control range	
A	0.1 to 3.0 bar
B	0.2 to 6.0 bar
C	0.5 to 10.0 bar
D	0.5 to 16.0 bar

Description -

Standard design

- Double nipples (G1/8 or G1/4) required for block mounting with other devices
- Pressure setting can be locked by pushing the knob down
- Flow direction indicated by arrows
- **Entry in direction of arrow**
- Virtually independent of inlet pressure
- Pressure gauge ∅40 included, can be mounted at both ends
- Panel mounting with nut on cover
- Wall mounting with nut and mounting bracket on cover

Main spare parts

Part	Part No.
➔ **Set of wearing parts** - Diaphragm, cmpl. - Valve cone, cmpl. - O-ring 9 x 1.5	**22.482.4**
Pr. gauge ∅40, G 1/8 0 to 4 bar 0 to 10 bar 0 to 16 bar 0 to 25 bar	 110.44-KD 110.46-KD 110.47-KD 110.48-KD

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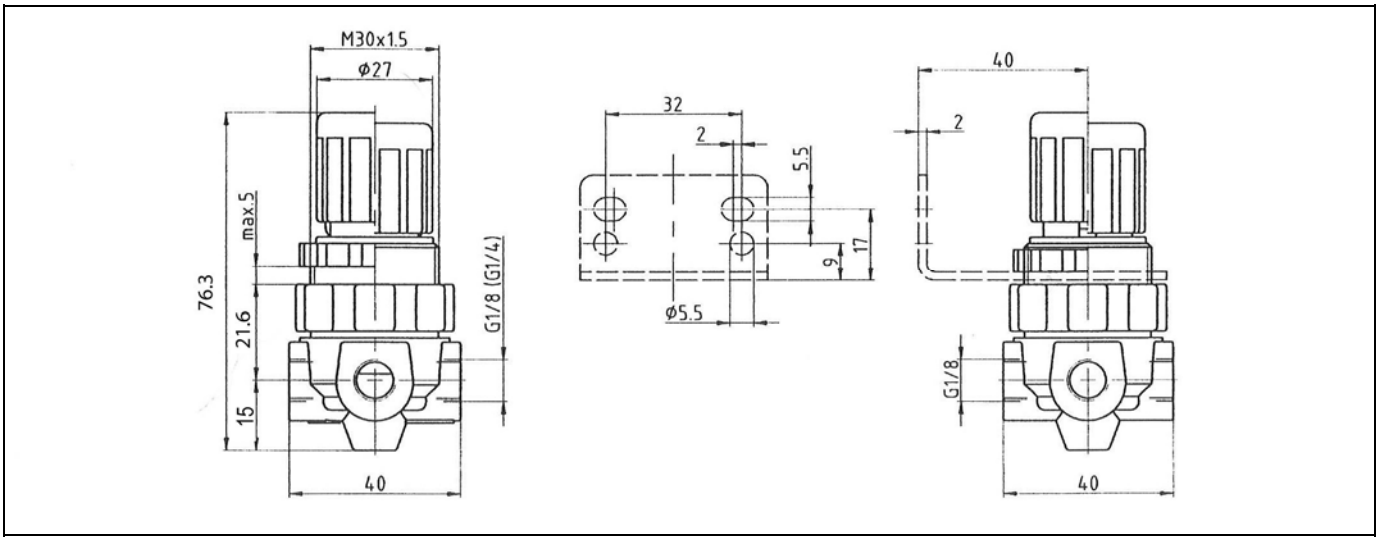
edition 02/2024

Dimensions [mm]



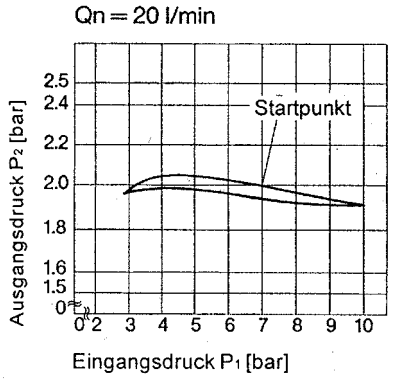
Flow rates

Flow rates at p_1 = **8 bar**

Art. No.		482.10 A 482.10 B	482.10 C 482.10 D	482.20 A 482.20 B	482.20 C 482.20 D
Output pressure p_2 = **6** [bar] Nominal flow (Δ_p = 1 bar)	QN m³/h QN l/min	19,8 330	19,8 330	19,8 330	19,8 330

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 bar**
p_2: 2.0 bar



Flow characteristic

Control range 0.5 to 10 bar