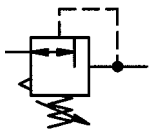
Pressure regulating valve

Size 2

637.35 A to 637.35 D
637.523 A to 637.523 D
G 1/2

0.5 to 3 bar
0.5 to 6 bar (0.2 to 6 bar)
0.5 to 10 bar
0.5 to 16 bar



Characteristics

Order No.	**637.35 A**	**637.35 B**	**637.35 C**	**637.35 D**
	637.523 A	**637.523 B**	**637.523 C**	**637.523 D**
Port	**G 1/2**			
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	25 bar			
Control range p_2	0.5 to 3 bar / 0.5 to 6 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 ∅20.5 Bracket			
Medium temperature **Ambient** temp.	-10 to 60°C -10 to 80°C			
Weight [g]	1100 / 1200 with pressure gauge			

Materials

Part	**Material**
Head piece (body)	Zinc - Z 410
Spring bonnet/adjusting screw	Zinc - Z 410/brass
Diaphragm ➔	NBR-brass
Pressure spring	Galvanised steel
Valve cone ➔	NBR-brass
Counter-pressure spring	Stainless steel
O-ring 28 x 2 ➔	NBR

Description

- Standard design
- Double nipples (G 1/2) required for block mounting with other devices
- Pressure setting by means of adjusting screw with plastic knob, setting can be locked with lock nut
- Flow direction indicated by arrows
- **Entry in direction of arrow**
- Virtually independent of inlet pressure
- Pressure gauge ∅63 included, can be mounted at both ends
- Panel mounting with nut and washer on cover
- Wall mounting with mounting bracket on cover

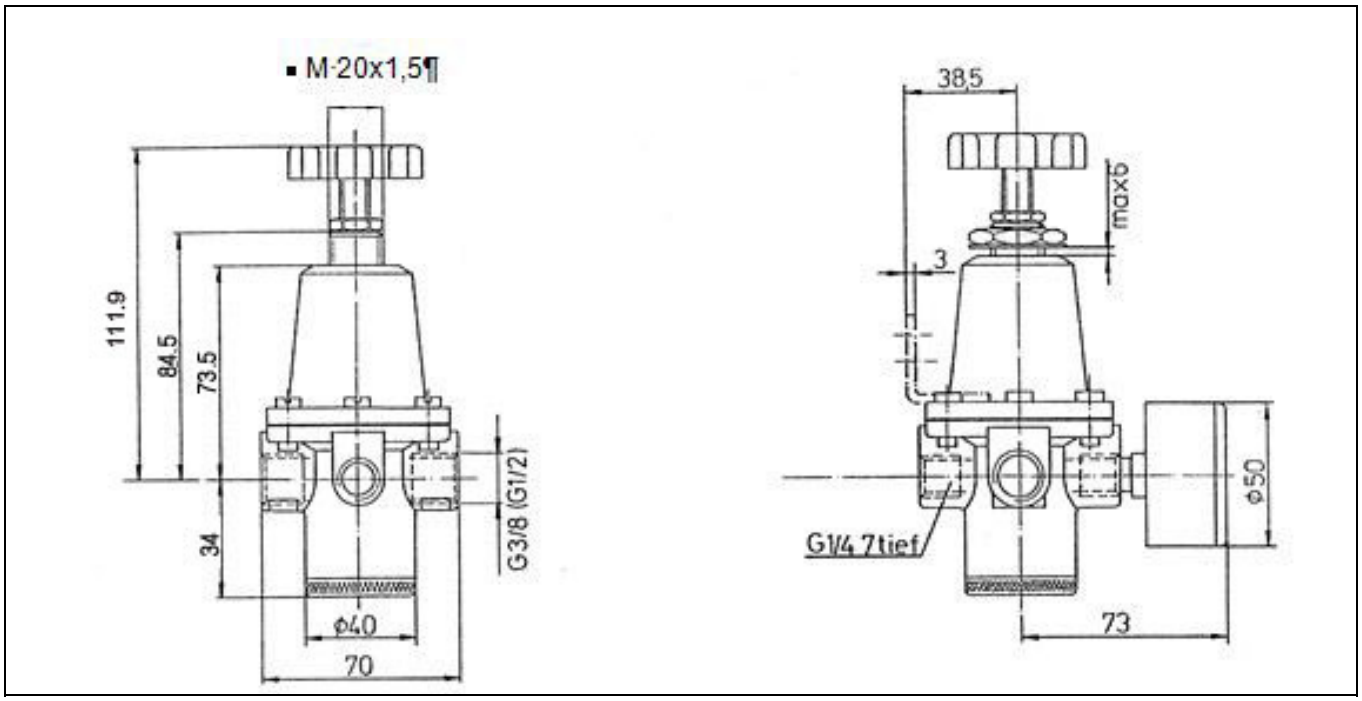
Accessories

Designation	**Order No.**
Nut M 20 x 1.5 and washer	74/1
Mounting bracket with nut and washer	75/2
Double nipple G 1/2	MSN2521212
Double nipple R 1/2 (conical) for block mounting with other devices	252.303-N

Main spare parts

Part	**Part No.**
➔ **Set of wearing parts** - Diaphragm, cmpl. - Valve cone, cmpl. - O-ring 28 x 2	**22.635.4**
Pr. gauge ∅63, G1/4	
0 to 4 bar	215-KD
0 to 10 bar	217-KD
0 to 16 bar	218-KD
0 to 25 bar	219-KDB

Dimensions [mm]



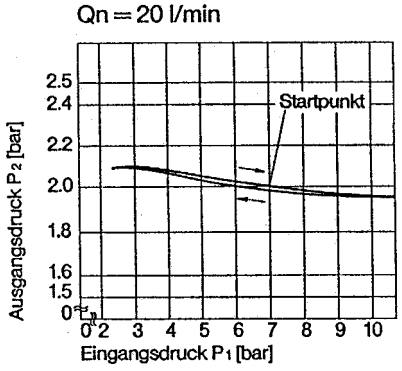
Flow rates

Flow rates at p_1 = **8 bar**

Art. No.		637.35 A 637.523 A	637.35 B 637.523 B	637.35 C 637.523 C	637.35 D 637.523 D
Output pressure p_2 = **6** [bar]	QN m³/h	132	132	132	132
Nominal flow (Δ_p = 1 bar)	QN l/min	2200	2200	2200	2200

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