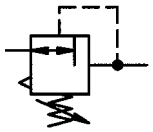
Pressure regulating valve

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 60 °C			
Weight [g]	1100 / 1200 with pressure gauge			

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

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

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 0 to 10 bar 0 to 16 bar 0 to 25 bar	 215-KD 217-KD 218-KD 219-KDB

Accessories

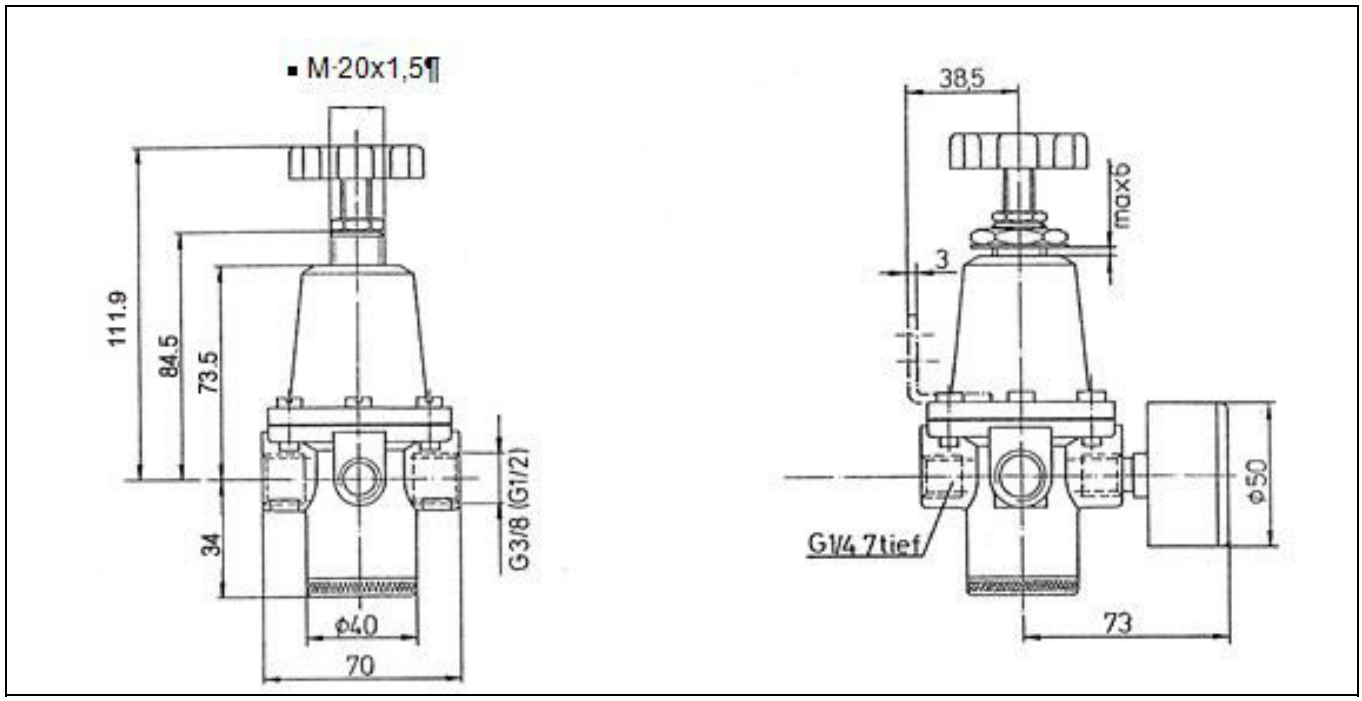
Designation	**Order No.**
Nut M 20 x 1.5 and washer	74/1
Mounting bracket with nut and washer	75/2
Double nipple G 1/2	MSN2521212
Double nipple R 1/2 (conical) for block mounting with other devices	252.303-N

RIEGLER & Co. KG, Sales Engineering
Schützenstraße 27 | 72574 Bad Urach
Tel. +49 7125 9497-642
technik@riegler.de

edition 02/2024

Subject to technical changes an errors reserved.
The proficiency testing is the responsibility of the user.
The specified data do not represent legally guaranteed properties.

Dimensions [mm]



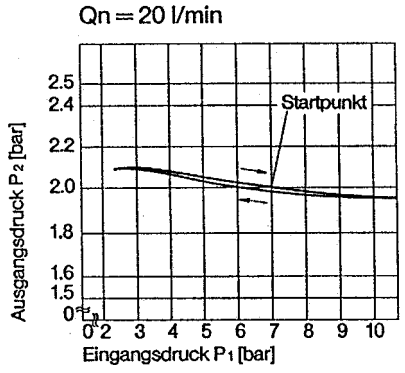
Flow rates

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

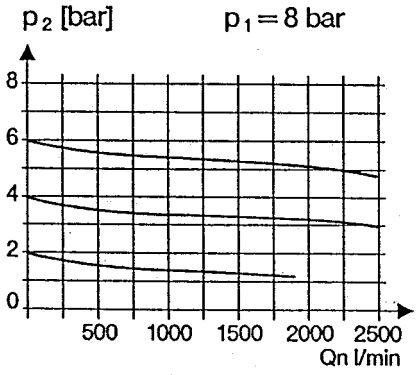
Hysteresis

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



Subject to technical changes an errors reserved.
The proficiency testing is the responsibility of the user.
The specified data do not represent legally guaranteed properties.