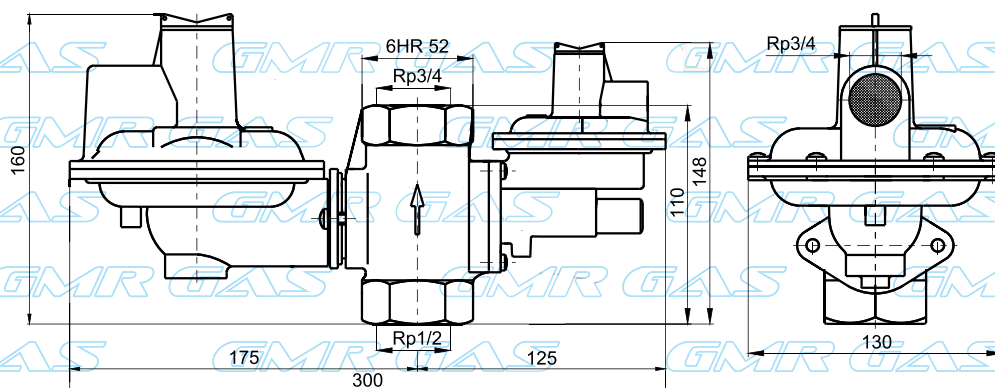


GMR GAS[®]

TRADITIONAL CZECH MANUFACTURER
OF REGULATING EQUIPMENT FOR GAS INDUSTRY



NATURAL GAS PRESSURE REGULATOR

RP-10

Use

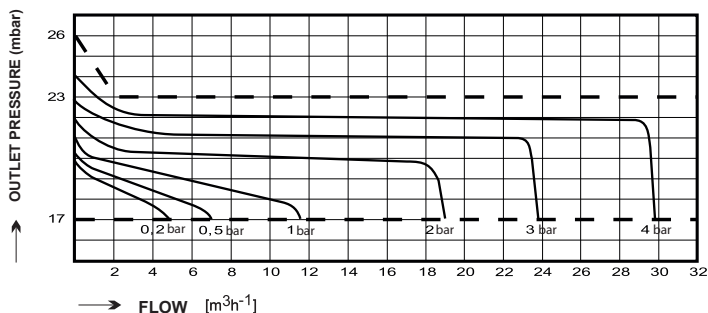
Gas overpressure regulator RP-10 is designed for a one-level independent regulation of the natural gas overpressure to a lower output pressure. Output pressure is maintained at a specified tolerance with respect to the quantity of gas withdrawn, fluctuations in gas pressure in the pipeline and other adverse influences.

Advantages

- valve body made of grey cast iron, other castings made of aluminium alloys
- shutoff valve body may be rotated 90° and the regulator body continuously 0° to 360°, using flanges 180°
- built-in safety valve
- built-in shutoff valve closes permanently the flow of gas into the regulator when gas pressure decreases below or increases over the limit and its design prevents interaction with the regulatory part of the regulator
- easily dismantled and repaired
- service provided
- equipped with sampling point for the control of output pressure
- regulator parts made of gas-resistant material
- regulator includes a sieve which prevents dirt entering the regulator
- depending on the required direction of flow the regulator may be installed into two positions – for the flow from bottom to top and from top to bottom. The plane of membranes must be horizontal and the springs must be at the top.
- using flanges this regulator allows a simple replacement (no assembly modification) for regulator of Alz-6U type (matching flanges and area dimensions).
- the regulator functions reliably also in lower input pressure from 0.5 bar

Regulator flow characteristics

RP-10



Ordering chart

Order number	Item (Type)	Connection Input	Connection Output	Input bar
600070	RP-10z-0	Rp 1/2	Rp 3/4	0,5 - 2
600080	RP-10z-0	Rp 1/2	Rp 3/4	2 - 4
600090	RP-10z-0	Rp 1/2	Rp 3/4	4 - 6
600100	RP-10z-2	Rp 1	Rp 1	0,5 - 2
600110	RP-10z-2	Rp 1	Rp 1	2 - 4
600120	RP-10z-2	Rp 1	Rp 1	4 - 6
600130	RP-10z-4	Rp 3/4	Rp 3/4	0,5 - 2
600140	RP-10z-4	Rp 3/4	Rp 3/4	2 - 4
600150	RP-10z-4	Rp 3/4	Rp 3/4	4 - 6
600235	RP-10X	Rp 3/4	Rp 3/4	3 - 6
600230	RP-10X	Rp 3/4	Rp 1	3 - 6

Basic Technical Data

Type	Inlet pressure p_v bar	Outlet pressure p_r mbar	Closing pressure p_u mbar Class SZ10	Protection pressure p_p mbar	Safety pressure p_b mbar	Minimal flow Q_{min} m ³ h ⁻¹	Maximal flow Q_{max} m ³ h ⁻¹	Weight kg
Regulation class AC 15								
RP-10z	0,5 - 2	20 ± 0,3	< 26	29 - 35	$P_{b\ max} \leq 36 - 50$ $P_{b\ min} \geq 5 - 15$	6	16	2,6
RP-10z	2 - 4	20 ± 0,3	< 26	29 - 35	$P_{b\ max} \leq 36 - 50$ $P_{b\ min} \geq 5 - 15$	10	25	
RP-10z	4 - 6	20 ± 0,3	< 26	29 - 35	$P_{b\ max} \leq 36 - 50$ $P_{b\ min} \geq 5 - 15$	18	32	
RP-10X	3 - 6	20 - 50	1,25 p_r	1,5 p_r	$P_{b\ max} \leq 36 - 100$ $P_{b\ min} \geq 5 - 15$	18	32	

These parameters are guaranteed on the manufacturer's testing facilities that meet the requirements of the state testing center, ČSN EN 12279 and TDG 60903.