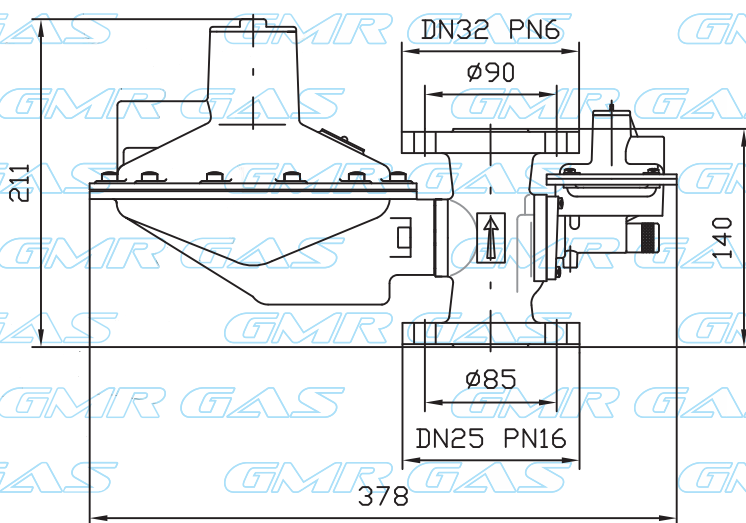


GMR GAS®

TRADITIONAL CZECH MANUFACTURER
OF REGULATING EQUIPMENT FOR GAS INDUSTRY



NATURAL GAS PRESSURE REGULATOR

AI-Z8-Pr

Use

This assembly may be used to replace Alz-6U regulators by Al-z8-Pr mainly in household connections where the primary regulator is with excessive capacity.

When replacing the regulator, the performance of the primary regulator must be evaluated (i.e. Flow) and selection of the replacement type accordingly. Also, built-up area must be considered.

Advantages

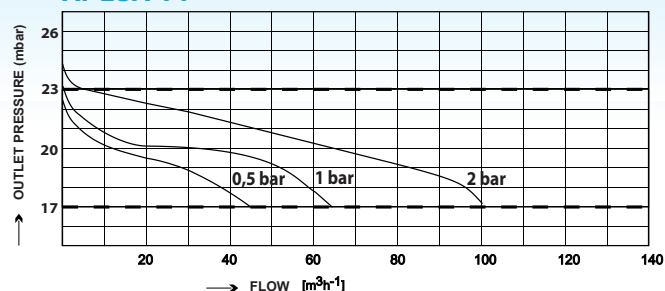
- using flanges, this regulator allows a simple replacement (no assembly modification) for regulator of Alz-6U type (matching flanges and area dimensions).
- depending on the required direction of flow the regulator may be installed into two positions – for the flow from bottom to top and from top to bottom. The plane of membranes must be horizontal and the springs must be at the top.
- 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

Ordering chart

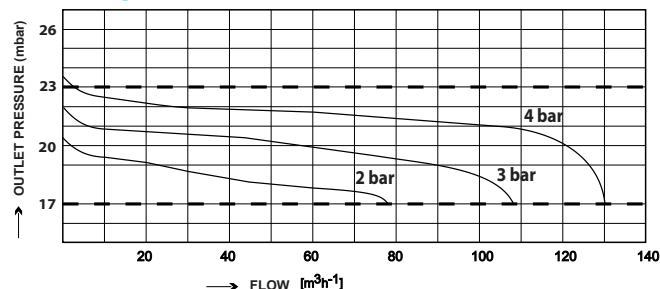
Order number	Item (Type)	Surface adjustment (Material)
600270	Al-z8A-Pr DN32/25	Corrosion protection of steel structures by protective paint system
600280	Al-z8B-Pr DN32/25	
600290	Al-z8B06-Pr DN32/25	
600300	Al-z8AX-Pr DN32/25	
600310	Al-z8BX-Pr DN32/25	
600320	Al-z8BX06-Pr DN32/25	

Regulator flow characteristics

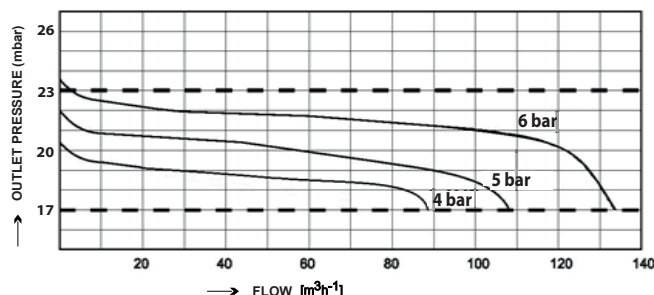
Al-z8A-Pr



Al-z8B-Pr



Al-z8B06-Pr



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								
AI-z8A-Pr	0,5 - 2	20 ± 0,3	< 26	29 - 35	P _b max 36 - 50 P _b min 5 - 15	30	90	5,4
AI-z8B-Pr	2 - 4	20 ± 0,3	< 26	29 - 35	P _b max 36 - 50 P _b min 5 - 15	60	120	
AI-z8B06-Pr	4 - 6	20 ± 0,3	< 26	29 - 35	P _b max 36 - 50 P _b min 5 - 15	80	125	
For atypical adjustment (AX and BX), the output overpressure can be adjusted to the customer's requirements								
AI-z8AX-Pr	0,5 - 2	20-50(100) ±15%	1,25 p _r	1,5 p _r	P _b max ≤45-100(150) P _b min ≥ 5	30	90	
AI-z8BX-Pr	2 - 4	20-50(100) ±15%	1,25 p _r	1,5 p _r	P _b max ≤45-100(150) P _b min ≥ 5	60	120	
AI-z8BX06-Pr	4 - 6	20-50(100) ±15%	1,25 p _r	1,5 p _r	P _b max ≤45-100(150) P _b min ≥ 5	80	125	

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.