

RD-10z

Natural Gas Overpressure Regulator

Use

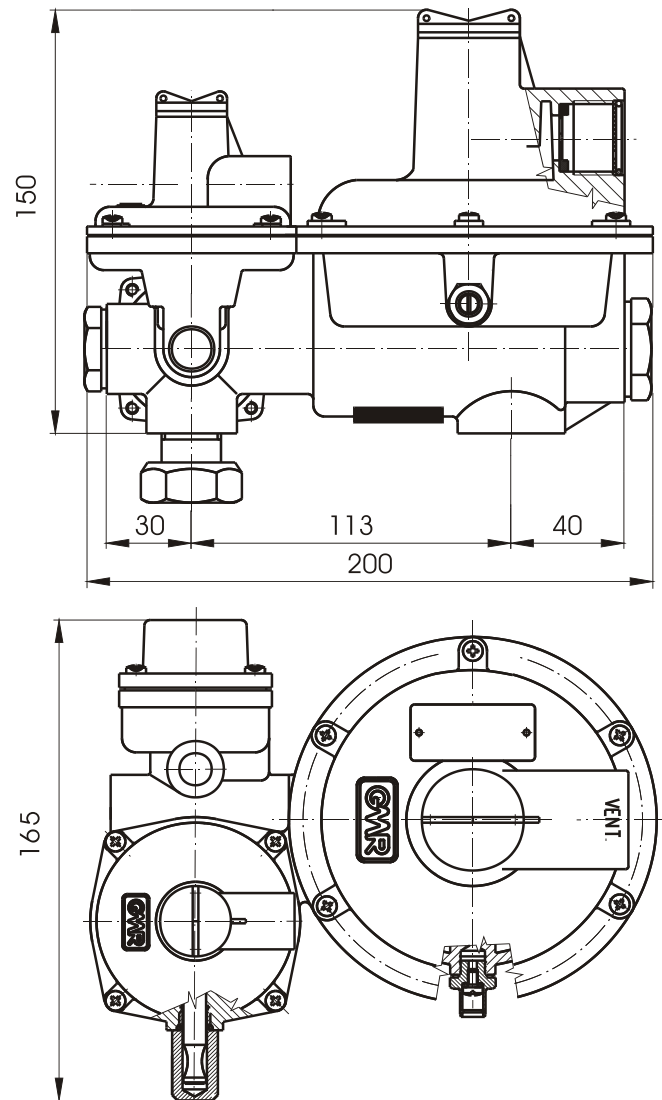
The gas overpressure regulators RD-10z are determined for the two-stage automatic regulation of inlet overpressure of natural gas to lower outlet overpressure.

Outlet overpressure is kept in the specified tolerance with regard to the gas demand quantity, gas pressure fluctuation in pipeline and other adverse effects.

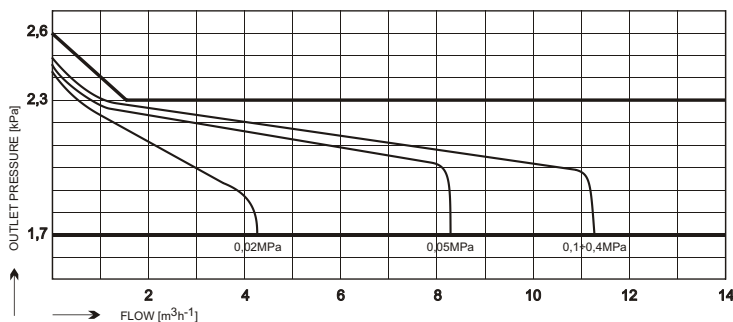
Merits

- All-aluminium construction
- Two-stage regulation
- In-built safety valve
- In-built emergency shut-off, which will close permanently the gas inlet to the regulator at gas overpressure drop or increase over the specified limit, and due to its construction it is not influenced each other with the regulating part of the regulator
- Possibility of the variable connection to the medium pressure mains variable placing of the plug to the inlet or outlet regulator parts allows necessary required variations
- The regulator is demountable, repairable
- The service is secured
- The screen against impurities penetration in the regulator is the part of the regulator
- It is equipped with the delivery point for the outlet overpressure check
- The single parts of the regulator are made out of materials resistant to the gas effects
- The regulator is included in the group II small R1 output to 10 m³.h⁻¹, and that is why it has no specified distances from openings in the wall outside of the building
- The regulator works reliably also at lower inlet overpressure from 0,02 Mpa

Dimensional Drawing



Regulator Flow Characteristic



Basic Technical Data

Type	Adjustment Class	Class of closing pressure BU	Inlet Over-pressure p_i MPa	Outlet Over-pressure p_r kPa	Closing Over-pressure p_o kPa	Protection over-pressure p_p kPa	Safety Over-pressure p_s kPa	Capacity Q_v m ³ .h ⁻¹	Peak Flow Q_{max} m ³ .h ⁻¹	Weight kg
RD-10z	RT 15	BH 10 BD 25	0,1 - 0,4	2,0	< 2,6	3,0 0,1	$p_{o \max}$ 3,5 - 5,0 $p_{o \min}$ 0,5 - 1,5	10	10	1,6
Atypical Design										
RD-10zX	RT 15	BH 10 BD 25	0,02 - 0,4	2,0 ÷ 5,0	< 1,3 p_r	1,5 p_r 0,3	$p_{o \max}$ 5 ÷ 11,0 $p_{o \min}$ 0,5	10	10	1,6