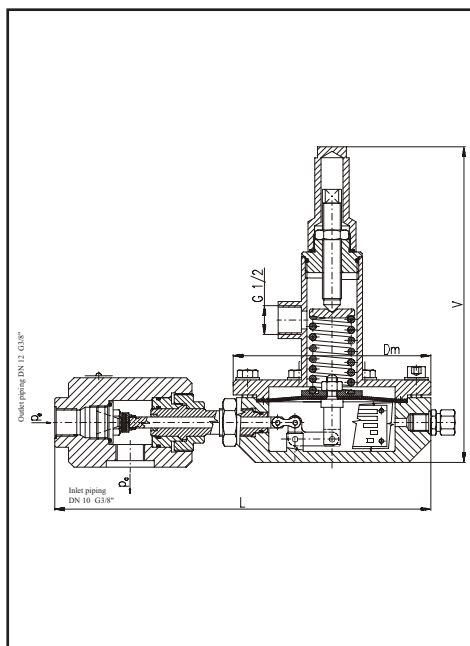


PRESSURE REGULATOR - DIRECT ACTING



USE

This regulator is a so called direct action regulator, and is intended for a rough regulation of the gas pressure being supplied from a high pressure or a very high pressure gas distribution network directly to the consumer. The regulator is suitable for natural gas and all noncorrosive gaseous media. Required gas filtration: 5 μm .

PRESSURE RANGES

Inlet pressure range p_e = 1 to 4 MPa
 Outlet pressure range p_a = 0,1 to 0,4 MPa.

TYP / DN / PN / TEMPERATURE RANGE

RT 237 440 DN 10 PN 40 -10 °C to 70 °C

PRECISION CATEGORIES

ACCURACY CLASS	CLOSING PRESSURE CLASS
AC 20	SG 20 – SG 30

MATERIAL

	RT 237 440		
	DIN	ASTM	ČSN
Valve body, cone bush, cone	1.4021	TYPE 420	17 022.6
Actuator casing	CARBON STEEL		
Cone stem	BRASS		
Cone sealing	POLYURETHANE		
Sealing rings	NITRIL RUBBER		
Diaphragm	NITRIL RUBBER REINFORCED WITH CLOTH		

NOTE

Take into account comments of the installation of gas pressure regulators (page 5).

INSTALLATION

The regulator is to be installed in the pipeline in a position as shown in the picture. The outlet opening of the regulator can be vertically directed up or down, or horizontally directed forwards or backwards. The regulator is equipped with a sleeve (clamping) coupling for the connection of the control unit with the regulator body, which allows setting an optional position of the regulator body with respect to the control unit. The upper cover axis must be perpendicular and corresponding with the axis of the upper adjusting screw. The inlet of working fluid must comply with the arrow shown on the regulator body. The inlet and outlet piping must not transfer any additional stress to the regulator. The regulator must not be exposed to any additional bending stress, e.g. when mounting the regulator to the holder. The regulator is connected to the pipeline by means of muff couplings Parker (Ermeto) GE12-PLR-ED/A3C and GE16-PS/R 3/8-ED/A3C. The outlet piping can be arranged in vertical and horizontal position in both directions. A venting pipeline of minimum inner diameter 15 mm is to be connected by means of muff coupling Parker (Ermeto) 18-PLR-ED.

DIMENSION TABLE

DN	Dm	L	V
10	145	275	230