

PRESSURE REDUCER TYPE RCP-10

FUNCTION:

Pressure regulators are designed to maintain constant pressure downstream the valve regardless of fluctuation of supply pressure. Regulators are used in pipe networks with air or other gases in order to prevent the installation against excess pressure increase. It can also be used to maintain a protective atmosphere in the tanks.

CONSTRUCTION:

Regulator comprises three main units:

- valve (01)
- diaphragm actuator (02), with blow-off valve
- adjuster set (3)

PRINCIPLE OF OPERATION:

The impulse of regulated pressure (01), is applied to the actuator pressure chamber (02) from valve. Force on diaphragm, which is evoked by regulated pressure, is counterbalanced by the spring tension in the adjuster set. (03) Change in the regulated pressure causes valve plug displacement till the regulated pressure attains its set-up value. Reducer diaphragm contains the blow-off valve which protects against excessive regulated pressure.



Nominal diameter	Setting [mbar]	Connection
G3/4"	15-25 20-40 40-80 80-120	screwed, optionally with screw flange connection PN16 acc. PN-EN 1092-1:2007
G1"		
G1 1/4"		
40		flange PN16 acc. PN-EN 1092-1:2007
50		
Tightness class: VI cl. acc. PN-EN 60534-4		

Kvs [m ³ /h]	Seat diameter [mm]	Diameter DN				
		3/4"	1"	1 1/4"	40	50
0,4	12,2					
0,63						
1						
1,6						
2,5						
4	16					
5	20					
6,3	25					

