R13

Pressure Sustaining & Pressure Reducing Control Valve
Globe Type

Product Description

R13 Pressure Sustaining & Pressure Reducing Control Valve is used to maintain and reduce the pressure at the inlet and outlet of downward-sloping systems. In downward-sloping systems, it regulates overflows and high pressures in order to maintain normal operating conditions. As a result of the valve, outlet pressure is fixed without being affected by surge pressure.

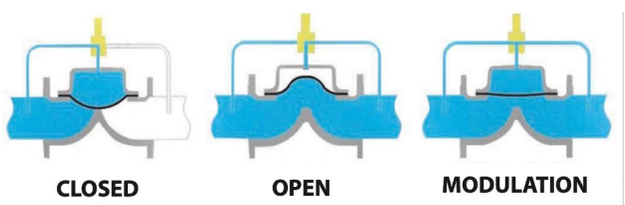
Adjustment

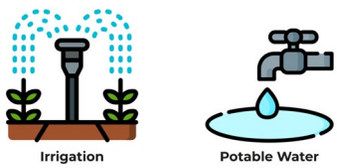
After water has been introduced, if the value on the manometer is below the desired pressure, the inlet pressure is increased by rotating the adjusting bolt clockwise. As soon as the value on the manometer exceeds the desired pressure, the desired pressure is adjusted by rotating the adjusting bolt counterclockwise. A fixed adjustment bolt is achieved by screwing the luck nut under the adjusting bolt.

Production References	
Size Range	DN40 - DN300
Pressure Range	PN10/16
Temperature	-10°C to +80°C
Connection	Flanged - EN1092-2
Coating	Electrostatic Powder Epoxy
Testing	EN 12266-1
Marking	EN 19

Application Areas

- Agricultural irrigation
- Household implementation
- Supply of water fire extinguishing
- Various applications of industrial systems.
- Food and chemical enterprises

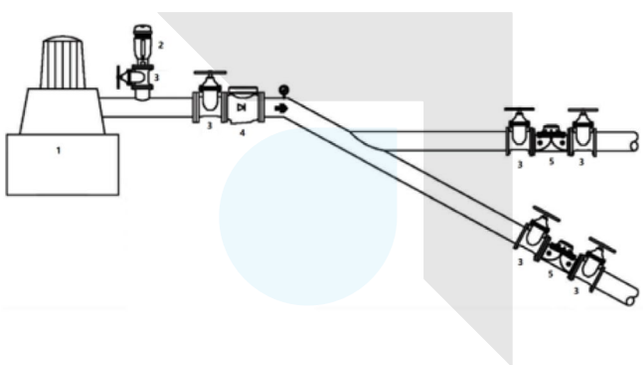




Product Features

- EN-GJS-500-7 Ductile iron body and bonnet for high strength and impact resistance.
- The pressure can be adjusted easily and without any difficulty.
- Reduction of pressure without being affected by changes in pressure and flow in the network.
- On/off switch operated manually.
- Maintainability is easy.
- The consumption of energy is low.
- Various voltages can be controlled. Running on a pressure network does not require additional energy.
- Due to its corrosion-resistant components, it does not require maintenance.
- Since the coating is made with phosphorization and over-dried epoxy powder paint, the coating has a long working life.
- Modulates perfectly in variable flow rates and even at low flow rates close to zero.
- With the use of different pilot valves, it has a wide range of applications.
- 100% of the valves are subjected to Hydrostatic tests according to EN 12266-1. Pressure for seat: PN x 1.1 , for shell: PN x 1.5

Application

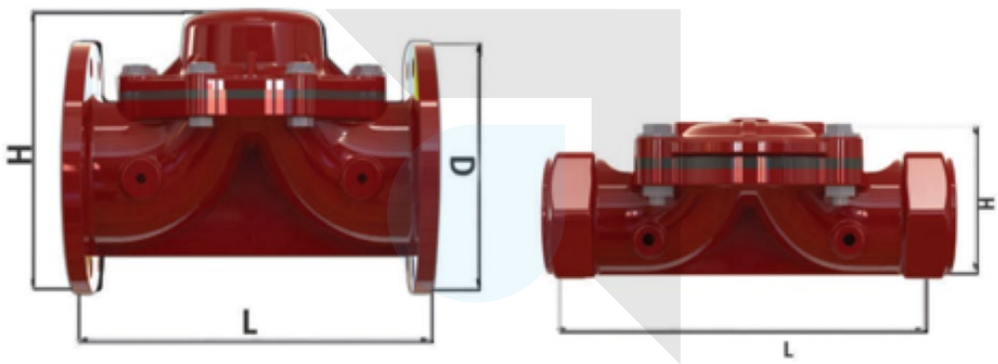


1- Pump
2- Air Release Valve
3- Isolation Valve
4- Check Valve
5- Pressure Reduce Control Valve

Materials

#	Part	Material
1	Body	Ductile Iron EN-GJS-400/500 (GGG40/50)
2	Diaphram	Court Fabric / Reinforced Natural Rubber
3	Cover	Ductile Iron EN-GJS-400/500 (GGG40/50)
4	Washer	Galvanized Steel 8.8 / A2 / A4
5	Bolt	Galvanized Steel 8.8 / A2 / A4
6	Nut	Galvanized Steel / MS 58 Brass
7	Spring Ring	Polyamic
8	Spring	Stainless Steel AISI 304

Dimensions



Flanged Control Valves									
DN		L		D		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
2”	50	8	204	6.4	165	6.4	165	33	15
2½”	65	8.1	206	7.2	185	7.2	185	36	16.5
3”	80	11.4	290	7.8	200	7.8	200	57	26
4”	100	11.6	296	8.6	220	8.6	220	61	28
5”	125	12.3	314	9.8	250	9.8	250	72	33
6”	150	16.2	413	11.2	285	12.6	321	125	57
8”	200	18.5	470	13.3	340	18.8	403	187	85
10”	250	18.5	470	16	407	17	433	226	103
12”	300	20.8	530	18.3	466	19.5	497	316	145

Threaded Control Valves							
DN		L		H		Weight	
inch	mm	inch	mm	inch	mm	lbs	kg
2”	50	8.1	206	4.2	107	28.6	13
2½”	65	9	230	4.3	110	30.8	14
3”	80	13.7	350	5.7	145	44	20

Units: mm / indicative dimensions & weights