



R23

Pressure Sustaining & Pressure Reducing Control Valve
 Y Type

Product Description

DENZ-R23 Pressure Sustaining and Reducing Control Valves are used to adjust the pressure at the inlet and outlet of downward-sloping systems. The system is able to work on normal values on downward-sloping systems by regulating overflow and high pressure. By preventing pressure waves from affecting the outlet pressure, it maintains a stable outlet 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 lock nut under the adjusting bolt.

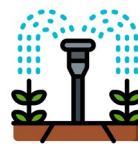
Installation

DENZ Control Valve must be installed in alignment with pipelines. Install the valve in the direction indicated by the arrow on the valve. Before or after the installation, isolation valves (gate valves, butterfly valves, silt traps, etc.) could be installed.



Production References

Size Range	DN50 – DN600
Pressure Range	PN10/16/25
Temperature	-10°C to +80°C
Connection	Flanged - EN1092-2
Coating	Electrostatic Powder Epoxy
Testing	EN 12266-1
Marking	EN 19



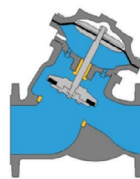
Irrigation



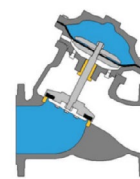
Potable Water



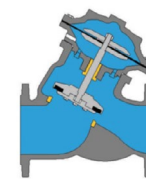
Fire Fighting



CLOSED



OPEN



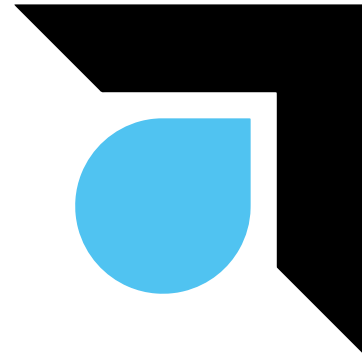
MODULATION

Application Areas

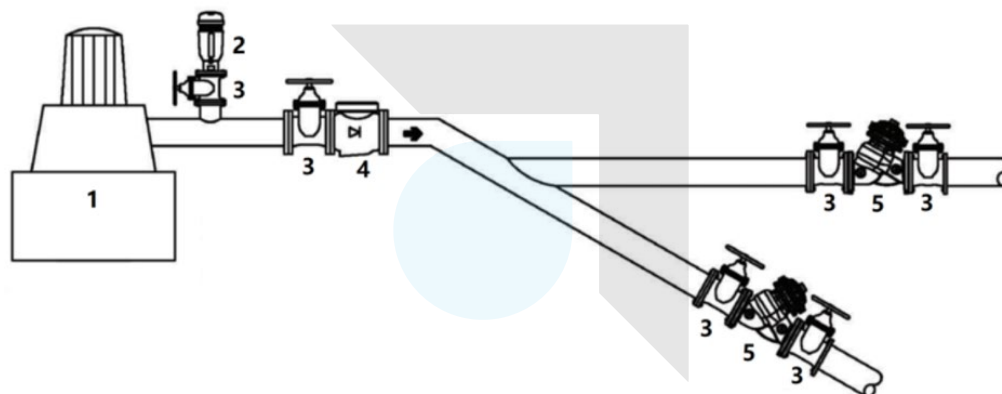
- Water applications
- Household implementation
- Supply of water fire extinguishing
- Various applications of industrial systems.
- Food and chemical enterprises

Product Features

- Ductile iron body and bonnet for high strength and impact resistance
- It is easy to adjust the pressure to the required level and there is no adjustment required
- Reduced pressure without being affected by changes in network pressure or flow
- The switch is manual and can be turned on and off by hand. It can be used in a variety of applications with the use of different pilot valves.
- An easy-to-maintain valve provides minimal pressure loss and a free flow when the valve is opened at the demanded flow level.
- Running on a pressure network does not require additional energy
- Due to its simple design, it is easy to operate and maintain.
- As a result of its corrosion-resistant components, it does not require maintenance.
- Due to the use of phosphorylation and over-dried epoxy powder paint, this coating has a long working life.
- It is capable of performing perfect modulation at variable flow rates and even at low flow rates approaching zero.
- 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

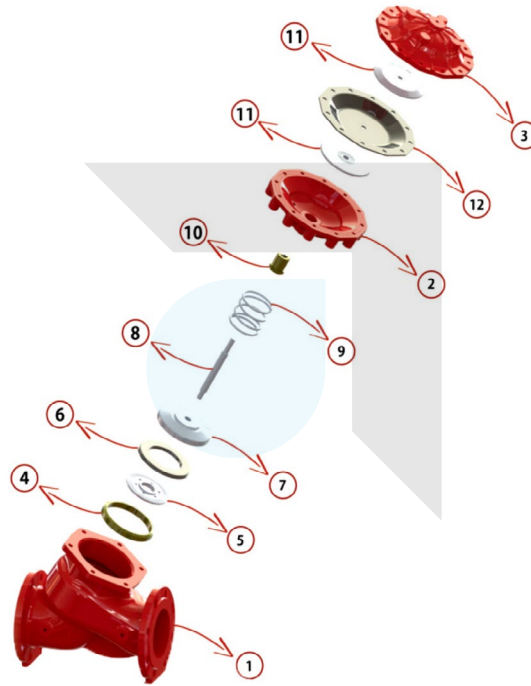


Application



- 1- Pump
2- Air Release Valve
3- Isolation Valve
4- Check Valve
5- Pressure Sustaining & Pressure Reducing Control Valve

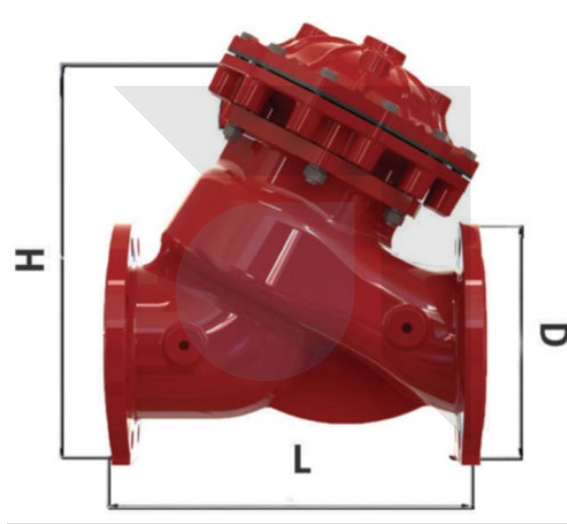
Materials



#	Part	Material
1	Body	Ductile Iron EN-GJS-400/500 (GGG40/50)
2	Centre Piece Body	Ductile Iron EN-GJS-400/500 (GGG40/50)
3	Bonnet	Ductile Iron EN-GJS-400/500 (GGG40/50)
4	Sealing Ring	Brass / Bronze
5	Disc Cover	Stainless Steel AISI 420 / 304 / 316
6	Disc Gasket	Buna-N
7	Disc	Stainless Steel AISI 420 / 304 / 316
8	Shaft	Stainless Steel AISI 420 / 304 / 316
9	Spring	Stainless Steel AISI 420 / 304 / 316
10	Centre Piece Body Shaft Nut	Brass / Bronze
11	Diaphragm Disc	Stainless Steel AISI 420 / 304 / 316
12	Diaphragm	Neopren



Dimensions <<<<



DN		L		D		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
2"	50	8.4	215	6.2	165	10.6	270	13	5.9
2½"	65	8.6	220	7.2	185	11.3	288	14	6.4
3"	80	10.6	270	7.8	200	13.3	340	26	11.8
4"	100	12.9	330	8.6	220	15.3	390	38	17.2
5"	125	13.1	335	9.8	250	16.5	420	39	17.7
6"	150	16.9	430	11.2	285	20.4	520	80	36.3
8"	200	21.2	540	13.2	340	26.2	668	142	64.4
10"	250	24.4	620	16	407	30.5	775	230	104.3
12"	300	25.9	660	18.3	466	33.4	850	370	167.8

Units: mm / indicative dimensions & weights

