PRESSURE REDUCING/SURGE ANTICIPATION

NORMALLY OPEN VALVE

SPECIFICATIONS

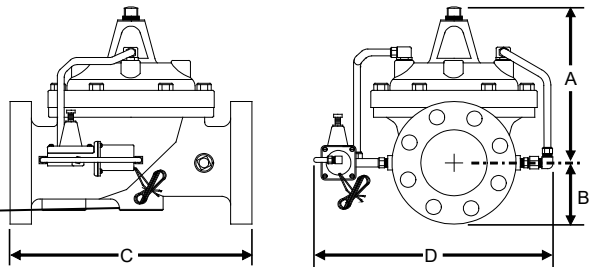
Operating Pressure:	2 to 200 PSI
Regulating Range:	5-125 PSI
Voltage Operating Range:	22-28 VAC
Low Current Requirement:	0.10 A at 24 VAC
Assembly:	Valve comes fully assembled

MATERIALS

End Connections:	Flanged 150 ANSI
Stem, Nut & Spring:	Stainless Steel
Diaphragm:	Nylon-Reinforced Buna-N
Disc:	Buna-N
Disc Retainer:	Cast Iron
Diaphragm Washer:	Cast Iron
Disc Guide Seat:	Bronze
Cover Bearing:	Bronze

DIMENSIONS & WEIGHTS (NOMINAL)

SIZE	MODEL NO.	A (IN)	B (IN)	C (IN)	D (IN)	APPROX SHIP WT IN LBS
4”	2260P	10.62	4.50	15.00	15.50	140
6”	2260Q	13.38	5.50	20.00	19.75	280
8”	2260R	16.00	6.75	25.38	24.00	500



PRESSURE LOSS (PSI) AT VARIOUS FLOWRATES

SIZE	FLOWRATE (GPM)																												
	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	3000	3100	3200	3300	3400
4"		1.0	2.3	4.0	6.3	9.0	12.3	16.0	20.3														CONSULT WITH FACTORY				
6"	USE 1 PSI			0.8	1.2	1.7	2.3	3.0	3.8	4.7	5.7	6.8	8.0	9.3	10.6	12.1	13.7	15.3	17.1	18.9	20.8		IN THIS RANGE				
8"	DROP IN THIS RANGE						0.8	1.1	1.4	1.7	2.0	2.4	2.9	3.3	3.8	4.3	4.9	5.5	6.1	6.7	7.4	8.2	15.2	16.2	17.3	18.4	19.5

APPLICATIONS

The 2260 Pressure Reducing Solenoid Valve offers maximum performance combined with the reliability you have come to expect from Griswold Controls. The valve is intended for use in medium to large irrigation systems and can be used on slopes, banks, and hilly terrain with no performance loss. The 2260 is designed for use as a normally-open master valve.

1700 Barranca Parkway, Irvine, CA 92606
(949) 559-6000 Fax (949) 559-6088
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GRISWOLD CONTROLS
A FlowCon International/Griswold Controls LLC. Company

MODEL NUMBER SELECTION

2 2 6 0 ___ ___

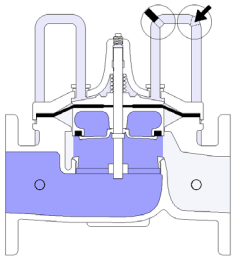
Select a size (4"=P, 6"=Q, 8"=R)

Add an "R" for Reclaimed Water

DESCRIPTION

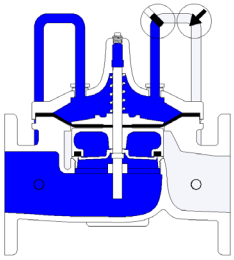
- Normally Closed: Energize Solenoid to Open Valve, De-Energize to Close Valve
- Lightning Protected
- Watertight Epoxy Molded Solenoid Coil
- Slow Closing
- Surges Above Setting Are Automatically Relieved
- "No Surge or Hammer" Operation
- Will Throttle Against Flow Without Chatter
- Diaphragm-Disc Assembly Guided by Stainless Steel Stem in All Positions
- Completely Serviceable Without Removing Valve Body from the system

THEORY OF OPERATION



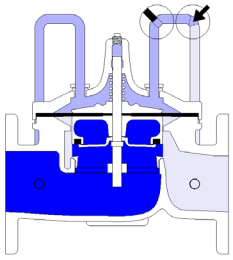
FULL OPEN OPERATION

When pressure in the cover chamber is relieved to a zone of lower pressure, the line pressure at the valve inlet opens the valve, allowing full flow.



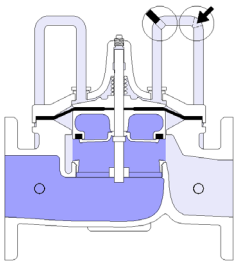
TIGHT CLOSING OPERATION

When pressure from the valve inlet is applied to the cover chamber, the valve closes drip-tight.



PRESSURE REDUCTION

When the pressure in the system increases, the regulating pilot restricts the amount of fluid leaving the upper chamber. This causes the diaphragm to decrease the flow through area of the valve, reducing pressure system to its preset point.



PRESSURE COMPENSATION

When the flow demand in the system increases, the regulating pilot allows more fluid to leave the upper chamber. This causes the diaphragm to increase the flow through area of the valve, raising pressure system to its preset point.

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