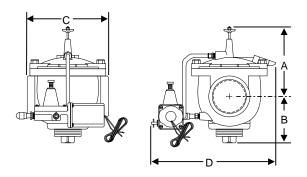
PRESSURE REDUCING

NORMALLY CLOSED VALVE



SPECIFICATIONS:

Operating Pressure: 3 to 200 PSI Regulating Range: 5 to 125 PSI

Pressure Accuracy: $\pm 5\%$

Material:Cast Iron and BronzeEnd Connections:NPT (BSPT Optional)

Voltage Operating Range: 22-28 VAC Low Current Requirement: 0.10 A at 24 VAC

Assembly: Valve comes fully assembled
Optional: Purple Handle for Reclaimed Water

Optional: Epoxy Coating

DIMENSIONS & WEIGHTS (NOMINAL)

SIZE	MODEL NO.	A (IN)	B (IN)	C (IN)	D (IN)	APPROX SHIP WT IN LBS				
1"	2230H	4.25	2.50	4.50	8.00	12				
1-1/4"	2230J	4.25	2.75	4.50	8.00	11				
1-1/2"	2230K	6.00	3.00	5.50	9.50	19				
2"	2230L	6.00	3.25	7.50	10.00	23				
2-1/2"	2230M	6.25	3.25	7.50	10.00	27				
3"	2230N	6.50	4.50	8.50	10.50	29				

PRESSURE LOSS (PSI) AT VARIOUS FLOWRATES

	FLOW	Cv		FLOWRATE (GPM)																											
	PATTERN	•	10	15	20	25	30	35	40	44	50	55	60	65	70	80	90	100	120	140	160	180	200	225	250	275	300	325	350	375	400
1"	STRAIGHT	13.50	1.0	1.24	2.2	3.4	5.0	6.7	8.8	11.1	13.7	16.6	19.7																		
'	ANGLE	15.30			1.7	2.7	3.9	5.2	6.8	8.6	10.7	12.9	15.4																		
1-1/4"	STRAIGHT	16.60			1.5	2.3	3.3	4.5	5.8	7.4	9.1	11.0	13.1	15.3	17.8					CON	ISUL	T W	ITH I	FAC	TOR	Y IN	THIS	S RA	NGE		
1-1/4	ANGLE	17.80			1.3	2.0	2.8	3.9	5.1	6.4	7.9	9.6	11.4	13.3	15.5																
1-1/2"	STRAIGHT	26.00					1.3	1.8	2.4	3.0	3.7	4.5	5.0	5.4	7.3	9.5	12.0	14.8													
1-1/2	ANGLE	29.00					1.1	1.5	1.9	2.4	3.0	3.6	4.3	5.9	6.3	7.6	9.7	11.9													
2"	STRAIGHT	52.00												1.6	1.8	2.4	3.0	3.7	5.3	7.3	9.5	12.0	14.8								
2	ANGLE	57.00												1.3	1.5	2.0	2.5	3.1	4.4	6.1	7.9	10.0	12.3								
2-1/2"	STRAIGHT	65.00		U	SE 1	I PSI	DR	II AC	N TH	IS R	ANG	Ε		1.0	1.2	1.5	1.9	2.4	3.4	4.6	6.1	7.7	9.5	12.0	14.8	17.9	21.3				
2-1/2	ANGLE	72.00		•												1.2	1.6	1.9	2.8	3.8	4.9	6.3	7.7	9.8	12.0	14.6	17.4				
3"	STRAIGHT	83.00															1.2	1.5	2.1	2.8	3.7	4.7	5.8	7.3	9.1	11.0	13.1	15.3	17.8	20.4	23.2
3	ANGLE	92.00															1.0	1.2	1.7	2.3	3.0	3.8	4.7	6.0	7.4	8.9	10.6	12.5	14.5	16.6	18.9

APPLICATIONS

The 2230 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 a wide variety of irrigation systems and can be used on slopes, banks, or hilly terrain with no performance loss, and is lightning-proof, making it the right choice for golf course irrigation. The 2230 is designed for use as a remote control master valve. The 2230_R can be used with Reclaimed Water.

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PRESSURE REDUCING

MODEL NUMBER SELECTION

2 3 0 Select a Housing Size (1"=H, 1-1/4"=J, 1-1/2"=K, 2"=L, 2-1/2"=M, 3"=N) Add an "R" for Reclaimed Water Add an "E" for Epoxy Add an "A" for Angle Configuration



DESCRIPTION:

- Normally Closed: Energize Solenoid to Open Valve, De-Energize to Close Valve
- On/Off Solenoid Control Valve
- Watertight Epoxy Molded Solenoid Coil
- Lightning Protected
- Slow Closing
- "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
- Patented Super Slow Energy Solenoid

EFFECTIVE CLOSING TIME (GRISWOLD) -HAMMER-FREE, **CHATTER-FREE** EFFECTIVE CLOSING TIME (ORDINARY VALVES) CLOSING: Instead of an abrupt, sudden **OPEN** closure, Griswold valves close gradually to eliminate GRADUAL CLOSE OF water hammer and chatter, regardless of the throttled position of the diaphragm assembly. Notice in the graph how the closing action of the Griswold Valve compares to the abrupt closing action of ordinary valves. Closing speed depends on the size of the valve and flow velocity. A minimum of 5 seconds may be expected from Griswold Valves. CLOSED TIME

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