# PRESSURE REDUCING

#### NORMALLY CLOSED VALVE

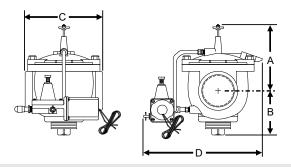
**SPECIFICATIONS** 

Operating Pressure:	31
Regulating Range:	5 t
Pressure Accuracy:	± {
Material:	Ca
End Connections:	NF
Voltage Operating Range:	22
Low Current Requirement:	0.1
Assembly:	Va
Optional:	Ρι
Optional:	Εp

3 to 150 PSI 5 to 125 PSI ± 5% Cast Iron and Bronze NPT (BSPT Optional) 22-28 VAC 0.10 A at 24 VAC Valve comes fully assembled Purple Handle for Reclaimed Water 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

SIZE	FLOW	Cv													F	LOW	RATE	(GPN	I)												
PATTERN OV		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																		
1	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	ІТН І	FAC	<b>TOR</b>	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								
0.4/0"	STRAIGHT	65.00		U	SE 1	I PSI	DRO	) PII	N TH	IS R	ANG	E		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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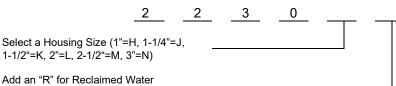


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### PRESSURE REDUCING

#### **MODEL NUMBER SELECTION**



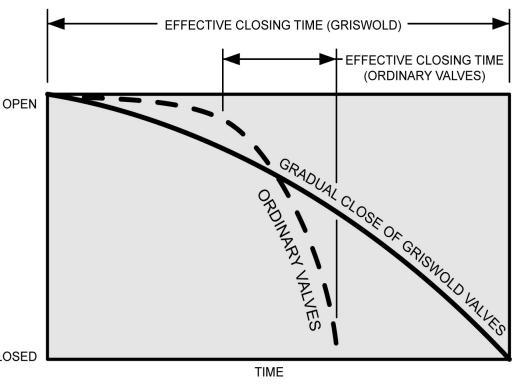
Add an "R" for Reclaimed Water Add an "E" for Epoxy Add an "A" for Angle Configurations (Select all that apply)

#### 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

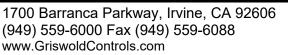
## HAMMER-FREE, **CHATTER-FREE CLOSING:**

Instead of an abrupt, sudden closure, Griswold valves close gradually to eliminate 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

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