

- 1" NPT
- Brass Body
- 2-Way Zero Differential
Piloted Diaphragm
- Normally Closed



Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Brass Ø 1"
Electrical	Standard Housing:	Conduit (NEMA 1)
	Optional Housings:	Watertight (NEMA 4), Junction Box. Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H
	Standard Lead Length:	18 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Vertical and Upright
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

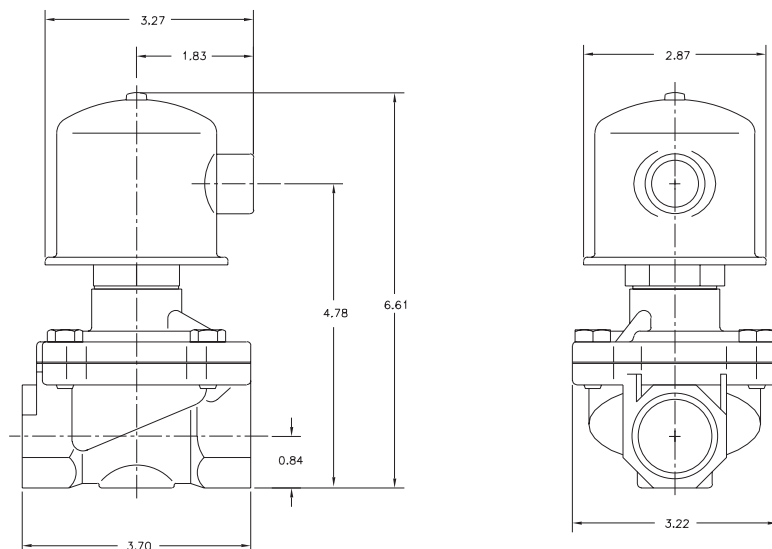
* Not available for all variations

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Dimensions/Weight

Weight (lbs.)

5.1



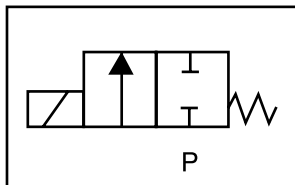
GC Valves Customer Service: 800-828-0484 (7:30am to 4pm ET) or 800-582-4232 (7:30am to 4pm PT)



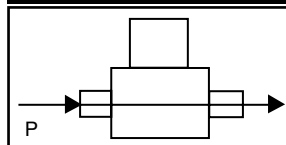
S271 – 1" NPT, Brass Body, Normally Closed

Valve Selection List

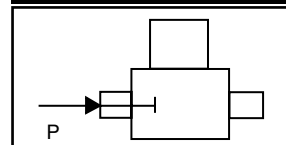
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _V	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)		
				Maximum										AC		DC		Brass Body
				Air/Gas		Water		Light Oil		Steam*								
				AC	DC	AC	DC	AC	DC	AC	DC							
1	1	13	0	125	125	100	50	—	—	—	—	295	EPR	17.5	22.5	S271AF02C5FG9		
	1	13	0	125	125	100	100	70	70	—	—	180	Nitrile	17.5	22.5	S271AF02N5FG9		
	1	13	0	125	125	100	100	70	70	—	—	230	Viton	17.5	22.5	S271AF02V5FG9		
	1	13	0	—	—	—	—	—	—	50*	—	295	EPR	17.5	—	S271AH02C5FG9		

* Class H Coil Recommended for Steam and Other High Temperature Applications

Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	7	1	A	F	0	2	C	5	F	G	9
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			1: Normally Closed	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	F: 1" NPT	G9: 1"	
* See the “Engineering Guide” for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S5

Frequency (Hz)		60	50
Nominal Power (VA)		Inrush	130
		Holding	28

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