

## GC Valves—S30 and S31 Series Overview

Mountain Controls is proud to offer quality solenoid valves from GC valves. The S30 and S31 Series features the following:

- 2-way and 3-way direct-acting valves
- Available in normally closed, normally open, diverting, and universal operation modes
- Vacuum to 1050 psi
- Cv to 1.7
- Orifices to 3/8"
- Brass or stainless steel body
- Buna, EPR, Rulon, Teflon, or Viton seals
- 1/8" to 3/8" NPT ports

## Specifications in this guide:

### *S30 Series, 2-Way Direct Acting*

- [1/8" NPT, Brass Body, Normally Closed](#)
- [1/8" NPT, SS Body, Normally Closed](#)
- [1/8" NPT, Brass Body, Normally Open](#)
- [1/8" NPT, SS Body, Normally Open](#)
- [1/4" NPT, Brass Body, Normally Closed](#)
- [1/4" NPT, SS Body, Normally Closed](#)
- [1/4" NPT, Brass Body, Normally Open](#)
- [1/4" NPT, SS Body, Normally Open](#)
- [3/8" NPT, Brass Body, Normally Closed](#)
- [3/8" NPT, SS Body, Normally Closed](#)
- [3/8" NPT, Brass Body, Normally Open](#)
- [3/8" NPT, SS Body, Normally Open](#)

### *S30 Series, 3-Way Direct Acting*

- [1/8" NPT, Brass Body, Normally Closed](#)
- [1/8" NPT, Brass Body, Normally Closed, Free Exhaust](#)
- [1/8" NPT, SS Body, Normally Closed](#)
- [1/8" NPT, SS Body, Normally Closed, Free Exhaust](#)
- [1/8" NPT, Brass Body, Diverting](#)
- [1/8" NPT, SS Body, Diverting](#)
- [1/8" NPT, Brass Body, Normally Open](#)
- [1/8" NPT, SS Body, Normally Open](#)
- [1/8" NPT, Brass Body, Universal](#)
- [1/8" NPT, SS Body, Universal](#)

### ***S30 Series, 3-Way Direct Acting continued***

- [1/4" NPT, Brass Body, Normally Closed](#)
- [1/4" NPT, Brass Body, Normally Closed, Free Exhaust](#)
- [1/4" NPT, SS Body, Normally Closed](#)
- [1/4" NPT, SS Body, Normally Closed, Free Exhaust](#)
- [1/4" NPT, Brass Body, Diverting](#)
- [1/4" NPT, SS Body, Diverting](#)
- [1/4" NPT, Brass Body, Normally Open](#)
- [1/4" NPT, SS Body, Normally Open](#)
- [1/4" NPT, Brass Body, Universal](#)
- [1/4" NPT, SS Body, Universal](#)

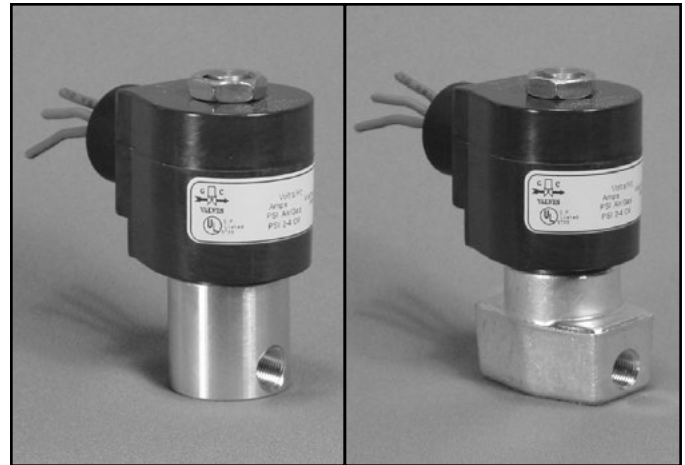
### ***S31 Series, 2-Way Direct Acting***

- [1/8" NPT, Brass Body, Normally Closed](#)
- [1/8" NPT, SS Body, Normally Closed](#)
- [1/8" NPT, Brass Body, Normally Open](#)
- [1/8" NPT, SS Body, Normally Open](#)
- [1/4" NPT, Brass Body, Normally Closed](#)
- [1/4" NPT, SS Body, Normally Closed](#)
- [1/4" NPT, Brass Body, Normally Open](#)
- [1/4" NPT, SS Body, Normally Open](#)
- [3/8" NPT, Brass Body, Normally Closed](#)
- [3/8" NPT, SS Body, Normally Closed](#)
- [3/8" NPT, Brass Body, Normally Open](#)
- [3/8" NPT, SS Body, Normally Open](#)

### ***S31 Series, 3-Way Direct Acting***

- [1/8" NPT, Brass Body, Normally Closed](#)
- [1/8" NPT, Brass Body, Normally Closed, Free Exhaust](#)
- [1/8" NPT, SS Body, Normally Closed](#)
- [1/8" NPT, SS Body, Normally Closed, Free Exhaust](#)
- [1/8" NPT, Brass Body, Diverting](#)
- [1/8" NPT, SS Body, Diverting](#)
- [1/8" NPT, Brass Body, Normally Open](#)
- [1/8" NPT, SS Body, Normally Open](#)
- [1/8" NPT, Brass Body, Universal](#)
- [1/8" NPT, SS Body, Universal](#)
- [1/4" NPT, Brass Body, Normally Closed](#)
- [1/4" NPT, Brass Body, Normally Closed, Free Exhaust](#)
- [1/4" NPT, SS Body, Normally Closed](#)
- [1/4" NPT, SS Body, Normally Closed, Free Exhaust](#)
- [1/4" NPT, Brass Body, Diverting](#)
- [1/4" NPT, SS Body, Diverting](#)
- [1/4" NPT, Brass Body, Normally Open](#)
- [1/4" NPT, SS Body, Normally Open](#)
- [1/4" NPT, Brass Body, Universal](#)
- [1/4" NPT, SS Body, Universal](#)

- 1/8" NPT
- Brass Body
- 2-Way Direct Acting
- Normally Closed



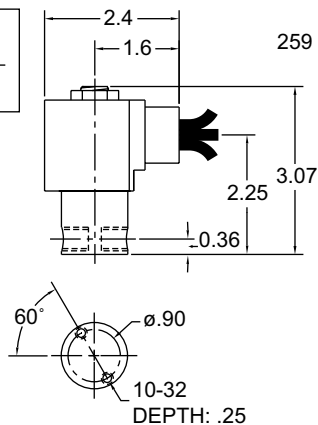
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Safety Shut-off, UL Listed, UL Recognized, CSA Approved, FM Certified

\* Not available for all variations

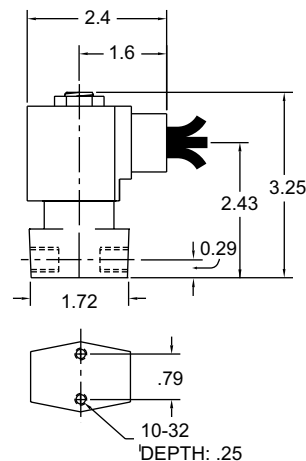
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## Dimensions/Weight

**Weight (lbs.)**  
1.1



**Body Code: 8**



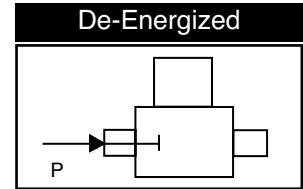
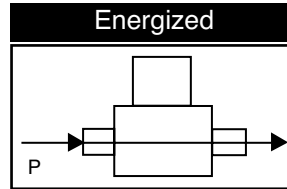
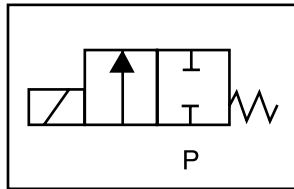
**Body Code: 9**



# S301 – 1/8" NPT, Brass Body, Normally Closed

## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ – 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			Brass Body		
1/8	1/32	.03	0	2400	2400	2400	2400	—	—	150*	150*	295	EPR	10	10	S301GF02C8AC1
	3/64	.05	0	1050	1000	1050	1000	—	—	150*	150*	295	EPR	10	10	S301GF02C8AC3
	1/16	.10	0	700	300	700	300	—	—	150*	150*	295	EPR	10	10	S301GF02C8AC5
	5/64	.15	0	550	240	550	240	—	—	150*	150*	295	EPR	10	10	S301GF02C8AC7
	3/32	.21	0	450	200	450	200	—	—	150*	150*	295	EPR	10	10	S301GF02C8AC9
	7/64	.29	0	350	170	350	170	—	—	150*	150*	295	EPR	10	10	S301GF02C8AD3
	1/8	.36	0	200	140	200	140	—	—	150*	140*	295	EPR	10	10	S301GF02C8AD5
	5/32	.44	0	150	100	150	100	—	—	150*	100*	295	EPR	10	10	S301GF02C8AD7
	3/16	.65	0	100	70	100	70	—	—	100*	70*	295	EPR	10	10	S301GF02C8AE1
	1/4	.85	0	50	20	50	20	—	—	50*	20*	295	EPR	10	10	S301GF02C8AE7
	3/8	1.0	0	20	5	20	5	—	—	20*	5*	295	EPR	10	10	S301GF02C9AF5
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	180	Nitrile	10	10	S301GF02N8AC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	—	—	180	Nitrile	10	10	S301GF02N8AC3
	1/16	.10	0	700	300	700	300	700	300	—	—	180	Nitrile	10	10	S301GF02N8AC5
	5/64	.15	0	550	240	550	240	550	240	—	—	180	Nitrile	10	10	S301GF02N8AC7
	3/32	.21	0	450	200	450	200	450	200	—	—	180	Nitrile	10	10	S301GF02N8AC9
	7/64	.29	0	350	170	350	170	350	170	—	—	180	Nitrile	10	10	S301GF02N8AD3
	1/8	.36	0	200	140	200	140	200	140	—	—	180	Nitrile	10	10	S301GF02N8AD5
	5/32	.44	0	150	100	150	100	150	100	—	—	180	Nitrile	10	10	S301GF02N8AD7
	3/16	.65	0	100	70	100	70	100	70	—	—	180	Nitrile	10	10	S301GF02N8AE1
	1/4	.85	0	50	20	50	20	50	20	—	—	180	Nitrile	10	10	S301GF02N8AE7
	3/8	1.0	0	20	5	20	5	20	5	—	—	180	Nitrile	10	10	S301GF02N9AF5
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	230	Viton	10	10	S301GF02V8AC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	—	—	230	Viton	10	10	S301GF02V8AC3
	1/16	.10	0	700	300	700	300	700	300	—	—	230	Viton	10	10	S301GF02V8AC5
	5/64	.15	0	550	240	550	240	550	240	—	—	230	Viton	10	10	S301GF02V8AC7
	3/32	.21	0	450	200	450	200	450	200	—	—	230	Viton	10	10	S301GF02V8AC9
	7/64	.29	0	350	170	350	170	350	170	—	—	230	Viton	10	10	S301GF02V8AD3
	1/8	.36	0	200	140	200	140	200	140	—	—	230	Viton	10	10	S301GF02V8AD5
	5/32	.44	0	150	100	150	100	150	100	—	—	230	Viton	10	10	S301GF02V8AD7
	3/16	.65	0	100	70	100	70	100	70	—	—	230	Viton	10	10	S301GF02V8AE1
	1/4	.85	0	50	20	50	20	50	20	—	—	230	Viton	10	10	S301GF02V8AE7
	3/8	1.0	0	20	5	20	5	20	5	—	—	230	Viton	10	10	S301GF02V9AF5

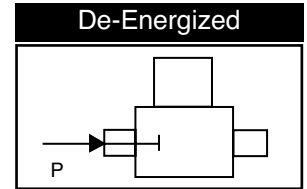
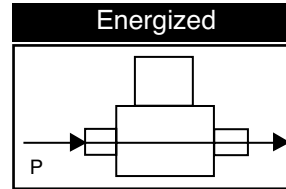
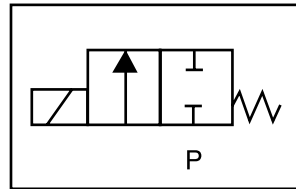
\* Class H Coil Recommended for Steam and Other High Temperature Applications

# S301 – 1/8" NPT, Brass Body, Normally Closed



## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ – 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Rulon	10	10	S301GF02R8AC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	150*	150*	366	Rulon	10	10	S301GF02R8AC3
	1/16	.10	0	700	300	700	300	700	300	150*	150*	366	Rulon	10	10	S301GF02R8AC5
	5/64	.15	0	550	240	550	240	550	240	150*	150*	366	Rulon	10	10	S301GF02R8AC7
	3/32	.21	0	450	200	450	200	450	200	150*	150*	366	Rulon	10	10	S301GF02R8AC9
	7/64	.29	0	350	170	350	170	350	170	150*	150*	366	Rulon	10	10	S301GF02R8AD3
	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Rulon	10	10	S301GF02R8AD5
	5/32	.44	0	150	100	150	100	150	100	150*	100*	366	Rulon	10	10	S301GF02R8AD7
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Rulon	10	10	S301GF02R8AE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Rulon	10	10	S301GF02R8AE7
	9/32	1.0	0	35	15	35	15	35	15	35"	15*	366	Rulon	10	10	S301GF02R9AF1
3/8	1.0	0	20	5	20	5	20	5	20*	5*	366	Rulon	10	10	S301GF02R9AF5	
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Teflon	10	10	S301GF02T8AC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	150*	150*	366	Teflon	10	10	S301GF02T8AC3
	1/16	.10	0	700	300	700	300	700	300	150*	150*	366	Teflon	10	10	S301GF02T8AC5
	5/64	.15	0	550	240	550	240	550	240	150*	150*	366	Teflon	10	10	S301GF02T8AC7
	3/32	.21	0	450	200	450	200	450	200	150*	150*	366	Teflon	10	10	S301GF02T8AC9
	7/64	.29	0	350	170	350	170	350	170	150*	150*	366	Teflon	10	10	S301GF02T8AD3
	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Teflon	10	10	S301GF02T8AD5
	5/32	.44	0	150	100	150	100	150	100	150*	100*	366	Teflon	10	10	S301GF02T8AD7
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Teflon	10	10	S301GF02T8AE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Teflon	10	10	S301GF02T8AE7
	9/32	1.0	0	35	15	35	15	35	15	35"	15*	366	Teflon	10	10	S301GF02T9AF1
3/8	1.0	0	20	5	20	5	20	5	20*	5*	366	Teflon	10	10	S301GF02T9AF5	

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



# S301 – 1/8" NPT, Brass Body, Normally Closed

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>A</b>	<b>C</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S30			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	8: Brass 9: Forged Brass	A: 1/8" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C7: 5/64" C9: 3/32" D3: 7/64" D5: 1/8" D7: 5/32" E1: 3/16" E7: 1/4" F1: 9/32" F5: 3/8"	

\* See the "Engineering Guide" for additional voltages, variations and options.

®Brass

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	18

## 1/8" NPT Stainless Steel Body 2-Way Direct Acting Normally Closed



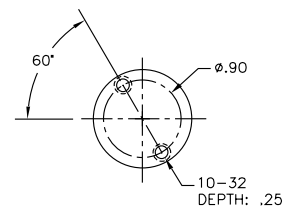
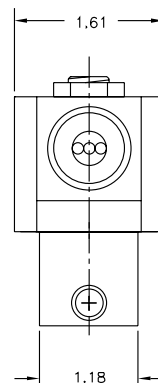
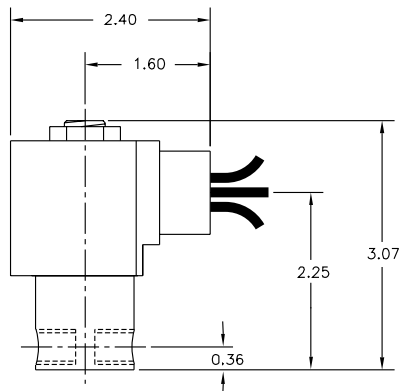
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Safety Shut-off, UL Listed, UL Recognized, CSA Approved, FM Certified

\* Not available for all variations

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### Dimensions/Weight

**Weight (lbs.)**  
1.1

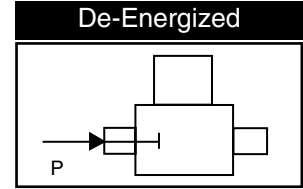
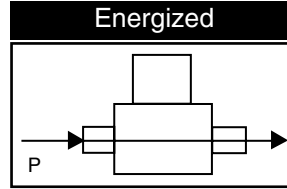
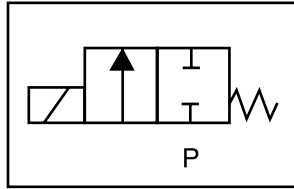




# S301 – 1/8" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Stainless Steel Body
1/8	1/32	.03	0	2400	2400	2400	2400	—	—	150*	150*	295	EPR	10	10	S301GF02C2AC1
	3/64	.05	0	1050	1000	1050	1000	—	—	150*	150*	295	EPR	10	10	S301GF02C2AC3
	1/16	.10	0	700	300	700	300	—	—	150*	150*	295	EPR	10	10	S301GF02C2AC5
	5/64	.15	0	500	240	500	240	—	—	150*	150*	295	EPR	10	10	S301GF02C2AC7
	3/32	.21	0	400	200	400	200	—	—	150*	150*	295	EPR	10	10	S301GF02C2AC9
	7/64	.29	0	350	170	350	170	—	—	150*	150*	295	EPR	10	10	S301GF02C2AD3
	1/8	.36	0	200	140	200	140	—	—	150*	140*	295	EPR	10	10	S301GF02C2AD5
	5/32	.44	0	150	100	150	100	—	—	150*	100*	295	EPR	10	10	S301GF02C2AD7
	3/16	.65	0	100	70	100	70	—	—	100*	70*	295	EPR	10	10	S301GF02C2AE1
1/4	.85	0	50	20	50	20	—	—	50*	20*	295	EPR	10	10	S301GF02C2AE7	
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	180	Nitrile	10	10	S301GF02N2AC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	—	—	180	Nitrile	10	10	S301GF02N2AC3
	1/16	.10	0	700	300	700	300	700	300	—	—	180	Nitrile	10	10	S301GF02N2AC5
	5/64	.15	0	500	240	500	240	500	240	—	—	180	Nitrile	10	10	S301GF02N2AC7
	3/32	.21	0	400	200	400	200	400	200	—	—	180	Nitrile	10	10	S301GF02N2AC9
	7/64	.29	0	350	170	350	170	350	170	—	—	180	Nitrile	10	10	S301GF02N2AD3
	1/8	.36	0	200	140	200	140	200	140	—	—	180	Nitrile	10	10	S301GF02N2AD5
	5/32	.44	0	150	100	150	100	150	100	—	—	180	Nitrile	10	10	S301GF02N2AD7
	3/16	.65	0	100	70	100	70	100	70	—	—	180	Nitrile	10	10	S301GF02N2AE1
1/4	.85	0	50	20	50	20	50	20	—	—	180	Nitrile	10	10	S301GF02N2AE7	
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	230	Viton	10	10	S301GF02V2AC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	—	—	230	Viton	10	10	S301GF02V2AC3
	1/16	.10	0	700	300	700	300	700	300	—	—	230	Viton	10	10	S301GF02V2AC5
	5/64	.15	0	500	240	500	240	500	240	—	—	230	Viton	10	10	S301GF02V2AC7
	3/32	.21	0	400	200	400	200	400	200	—	—	230	Viton	10	10	S301GF02V2AC9
	7/64	.29	0	350	170	350	170	350	170	—	—	230	Viton	10	10	S301GF02V2AD3
	1/8	.36	0	200	140	200	140	200	140	—	—	230	Viton	10	10	S301GF02V2AD5
	5/32	.44	0	150	100	150	100	150	100	—	—	230	Viton	10	10	S301GF02V2AD7
	3/16	.65	0	100	70	100	70	100	70	—	—	230	Viton	10	10	S301GF02V2AE1
1/4	.85	0	50	20	50	20	50	20	—	—	230	Viton	10	10	S301GF02V2AE7	

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

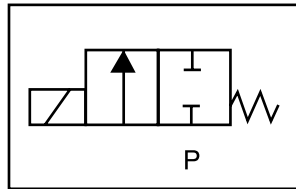


# S301 – 1/8" NPT, Stainless Steel Body, Normally Closed

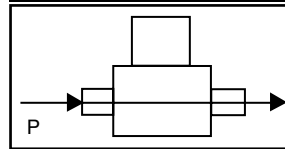


## Valve Selection List

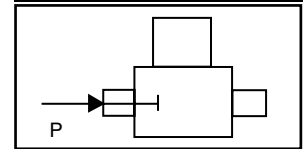
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Rulon	10	10	S301GF02R2AC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	150*	150*	366	Rulon	10	10	S301GF02R2AC3
	1/16	.10	0	700	300	700	300	700	300	150*	150*	366	Rulon	10	10	S301GF02R2AC5
	5/64	.15	0	500	240	500	240	500	240	150*	150*	366	Rulon	10	10	S301GF02R2AC7
	3/32	.21	0	400	200	400	200	400	200	150*	150*	366	Rulon	10	10	S301GF02R2AC9
	7/64	.29	0	350	170	350	170	350	170	150*	150*	366	Rulon	10	10	S301GF02R2AD3
	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Rulon	10	10	S301GF02R2AD5
	5/32	.44	0	150	100	150	100	150	100	150*	100*	366	Rulon	10	10	S301GF02R2AD7
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Rulon	10	10	S301GF02R2AE1
1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Rulon	10	10	S301GF02R2AE7	
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Teflon	10	10	S301GF02T2AC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	150*	150*	366	Teflon	10	10	S301GF02T2AC3
	1/16	.10	0	700	300	700	300	700	300	150*	150*	366	Teflon	10	10	S301GF02T2AC5
	5/64	.15	0	500	240	500	240	500	240	150*	150*	366	Teflon	10	10	S301GF02T2AC7
	3/32	.21	0	400	200	400	200	400	200	150*	150*	366	Teflon	10	10	S301GF02T2AC9
	7/64	.29	0	350	170	350	170	350	170	150*	150*	366	Teflon	10	10	S301GF02T2AD3
	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Teflon	10	10	S301GF02T2AD5
	5/32	.44	0	150	100	150	100	150	100	150*	100*	366	Teflon	10	10	S301GF02T2AD7
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Teflon	10	10	S301GF02T2AE1
1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Teflon	10	10	S301GF02T2AE7	

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



# S301 – 1/8" NPT, Stainless Steel Body, Normally Closed

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>2</b>	<b>A</b>	<b>C</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S30			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	2: Stainless Steel	A: 1/8" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C7: 5/64" C9: 3/32" D5: 1/8" D7: 5/32" E1: 3/16"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	46	46
	Holding	18	19

## 1/8" NPT Brass Body 2-Way Direct Acting Normally Open



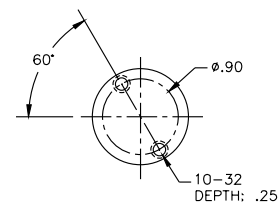
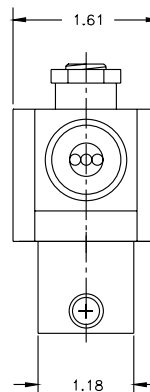
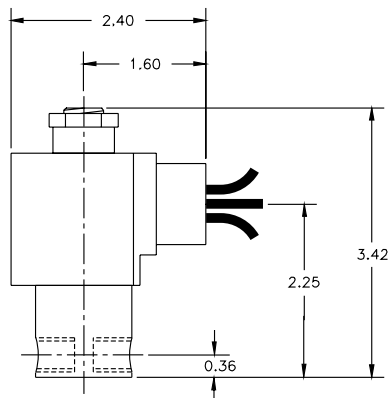
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.1

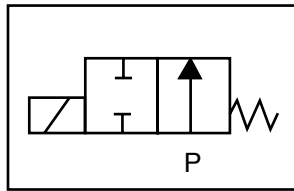




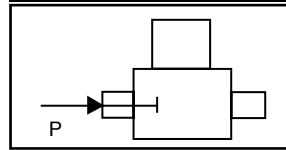
# S302 – 1/8" NPT, Brass Body, Normally Open

## Valve Selection List

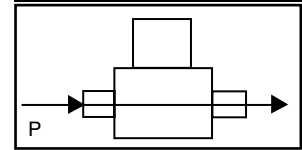
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown		
				Maximum										AC	DC			
				Air/Gas		Water		Light Oil		Steam*								
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Brass Body		
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	150*	150*	295	EPR	11	10	S302GF02C8AC1
	3/64	.05	0	600	600	600	600	600	600	—	—	150*	150*	295	EPR	11	10	S302GF02C8AC3
	1/16	.10	0	325	325	325	325	325	325	—	—	150*	150*	295	EPR	11	10	S302GF02C8AC5
	5/64	.15	0	235	235	235	235	235	235	—	—	150*	150*	295	EPR	11	10	S302GF02C8AC7
	3/32	.20	0	150	150	150	150	150	150	—	—	150*	150*	295	EPR	11	10	S302GF02C8AC9
	7/64	.25	0	125	125	125	125	125	125	—	—	125*	125*	295	EPR	11	10	S302GF02C8AD3
	1/8	.30	0	100	100	100	100	100	100	—	—	100*	100*	295	EPR	11	10	S302GF02C8AD5
	5/32	.43	0	60	60	60	60	60	60	—	—	60*	60*	295	EPR	11	10	S302GF02C8AD7
3/16	.65	0	40	40	40	40	40	40	—	—	40*	40*	295	EPR	11	10	S302GF02C8AE1	
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	180	Nitrile	11	10	S302GF02N8AC1		
	3/64	.05	0	600	600	600	600	600	600	—	—	180	Nitrile	11	10	S302GF02N8AC3		
	1/16	.10	0	325	325	325	325	325	325	—	—	180	Nitrile	11	10	S302GF02N8AC5		
	5/64	.15	0	235	235	235	235	235	235	—	—	180	Nitrile	11	10	S302GF02N8AC7		
	3/32	.20	0	150	150	150	150	150	150	—	—	180	Nitrile	11	10	S302GF02N8AC9		
	7/64	.25	0	125	125	125	125	125	125	—	—	180	Nitrile	11	10	S302GF02N8AD3		
	1/8	.30	0	100	100	100	100	100	100	—	—	180	Nitrile	11	10	S302GF02N8AD5		
	5/32	.43	0	60	60	60	60	60	60	—	—	180	Nitrile	11	10	S302GF02N8AD7		
3/16	.65	0	40	40	40	40	40	40	—	—	180	Nitrile	11	10	S302GF02N8AE1			
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	230	Viton	11	10	S302GF02V8AC1		
	3/64	.05	0	600	600	600	600	600	600	—	—	230	Viton	11	10	S302GF02V8AC3		
	1/16	.10	0	325	325	325	325	325	325	—	—	230	Viton	11	10	S302GF02V8AC5		
	5/64	.15	0	235	235	235	235	235	235	—	—	230	Viton	11	10	S302GF02V8AC7		
	3/32	.20	0	150	150	150	150	150	150	—	—	230	Viton	11	10	S302GF02V8AC9		
	7/64	.25	0	125	125	125	125	125	125	—	—	230	Viton	11	10	S302GF02V8AD3		
	1/8	.30	0	100	100	100	100	100	100	—	—	230	Viton	11	10	S302GF02V8AD5		
	5/32	.43	0	60	60	60	60	60	60	—	—	230	Viton	11	10	S302GF02V8AD7		
3/16	.65	0	40	40	40	40	40	40	—	—	230	Viton	11	10	S302GF02V8AE1			

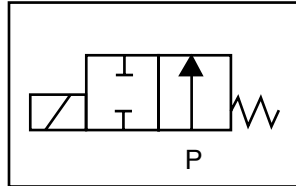
\* Class H Coil Recommended for Steam and Other High Temperature Applications

# S302 – 1/8" NPT, Brass Body, Normally Open

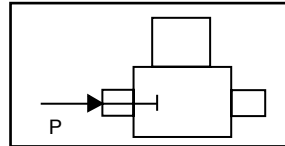


## Valve Selection List

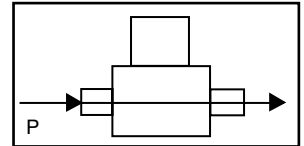
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Rulon	11	10	S302GF02R8AC1
	3/64	.05	0	600	600	600	600	600	600	150*	150*	366	Rulon	11	10	S302GF02R8AC3
	1/16	.10	0	325	325	325	325	325	325	150*	150*	366	Rulon	11	10	S302GF02R8AC5
	7/64	.15	0	235	235	235	235	235	235	150*	150*	366	Rulon	11	10	S302GF02R8AC7
	3/32	.20	0	150	150	150	150	150	150	150*	150*	366	Rulon	11	10	S302GF02R8AC9
	7/64	.25	0	125	125	125	125	125	125	125*	125*	366	Rulon	11	10	S302GF02R8AD3
	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Rulon	11	10	S302GF02R8AD5
	5/32	.43	0	60	60	60	60	60	60	60*	60*	366	Rulon	11	10	S302GF02R8AD7
3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Rulon	11	10	S302GF02R8AE1	
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Teflon	11	10	S302GF02T8AC1
	3/64	.05	0	600	600	600	600	600	600	150*	150*	366	Teflon	11	10	S302GF02T8AC3
	1/16	.10	0	325	325	325	325	325	325	150*	150*	366	Teflon	11	10	S302GF02T8AC5
	5/64	.15	0	235	235	235	235	235	235	150*	150*	366	Teflon	11	10	S302GF02T8AC7
	3/32	.20	0	150	150	150	150	150	150	150*	150*	366	Teflon	11	10	S302GF02T8AC9
	7/64	.25	0	125	125	125	125	125	125	125*	125*	366	Teflon	11	10	S302GF02T8AD3
	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Teflon	11	10	S302GF02T8AD5
	5/32	.43	0	60	60	60	60	60	60	60*	60*	366	Teflon	11	10	S302GF02T8AD7
3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Teflon	11	10	S302GF02T8AE1	

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



# S302 – 1/8" NPT, Brass Body, Normally Open

## Part Numbering

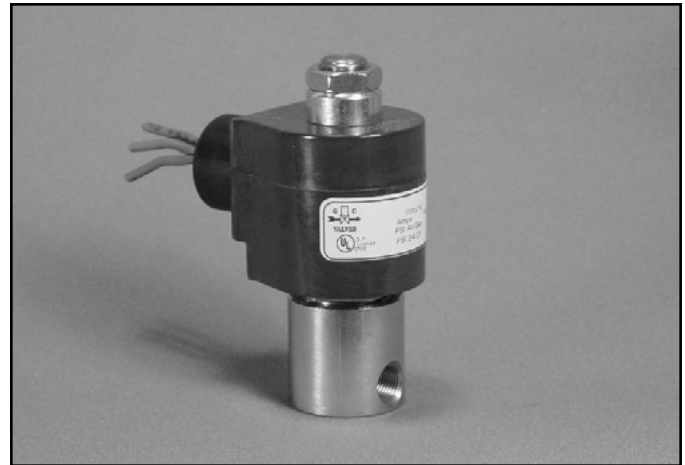
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<b>S</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>A</b>	<b>C</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S30			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	8: Brass	A: 1/8" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C9: 3/32" D5: 1/8" E1: 3/16"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	22

## 1/8" NPT Stainless Steel Body 2-Way Direct Acting Normally Open



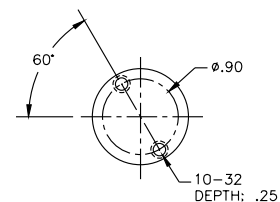
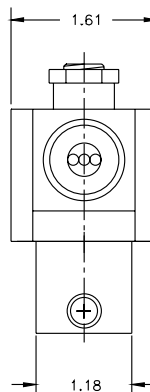
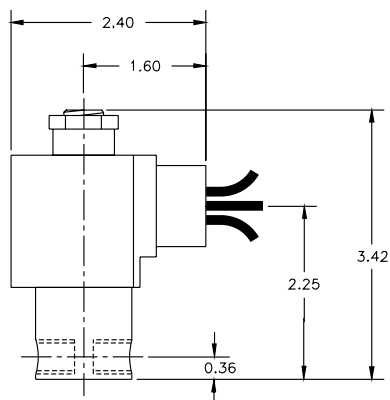
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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### Dimensions/Weight

**Weight (lbs.)**  
1.1

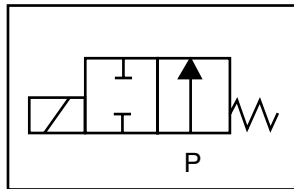




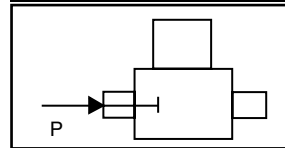
# S302 – 1/8" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

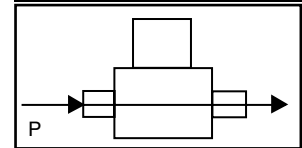
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Stainless Steel Body
1/8	1/32	.03	0	2400	2400	2400	2400	—	—	150*	150*	295	EPR	11	10	S302GF02C2AC1
	3/64	.05	0	600	600	600	600	—	—	150*	150*	295	EPR	11	10	S302GF02C2AC3
	1/16	.10	0	325	325	325	325	—	—	150*	150*	295	EPR	11	10	S302GF02C2AC5
	5/64	.15	0	235	235	2235	235	—	—	150*	150*	295	EPR	11	10	S302GF02C2AC7
	3/32	.20	0	150	150	150	150	—	—	150*	150*	295	EPR	11	10	S302GF02C2AC9
	7/64	.25	0	125	125	125	125	—	—	125*	125*	295	EPR	11	10	S302GF02C2AD3
	1/8	.30	0	100	100	100	100	—	—	100*	100*	295	EPR	11	10	S302GF02C2AD5
	5/32	.43	0	60	60	60	60	—	—	60*	60*	295	EPR	11	10	S302GF02C2AD7
3/16	.65	0	40	40	40	40	—	—	40*	40*	295	EPR	11	10	S302GF02C2AE1	
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	180	Nitrile	11	10	S302GF02N2AC1
	3/64	.05	0	600	600	600	600	600	600	—	—	180	Nitrile	11	10	S302GF02N2AC3
	1/16	.10	0	325	325	325	325	325	325	—	—	180	Nitrile	11	10	S302GF02N2AC5
	5/64	.15	0	235	235	235	235	235	235	—	—	180	Nitrile	11	10	S302GF02N2AC7
	3/32	.20	0	150	150	150	150	150	150	—	—	180	Nitrile	11	10	S302GF02N2AC9
	7/64	.25	0	125	125	125	125	125	125	—	—	180	Nitrile	11	10	S302GF02N2AD3
	1/8	.30	0	100	100	100	100	100	100	—	—	180	Nitrile	11	10	S302GF02N2AD5
	5/32	.43	0	60	60	60	60	60	60	—	—	180	Nitrile	11	10	S302GF02N2AD7
3/16	.65	0	40	40	40	40	40	40	—	—	180	Nitrile	11	10	S302GF02N2AE1	
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	230	Viton	11	10	S302GF02V2AC1
	3/64	.05	0	600	600	600	600	600	600	—	—	230	Viton	11	10	S302GF02V2AC3
	1/16	.10	0	325	325	325	325	325	325	—	—	230	Viton	11	10	S302GF02V2AC5
	5/64	.15	0	235	235	235	235	235	235	—	—	230	Viton	11	10	S302GF02V2AC7
	3/32	.20	0	150	150	150	150	150	150	—	—	230	Viton	11	10	S302GF02V2AC9
	7/64	.25	0	125	125	125	125	125	125	—	—	230	Viton	11	10	S302GF02V2AD3
	1/8	.30	0	100	100	100	100	100	100	—	—	230	Viton	11	10	S302GF02V2AD5
	5/32	.43	0	60	60	60	60	60	60	—	—	230	Viton	11	10	S302GF02V2AD7
3/16	.65	0	40	40	40	40	40	40	—	—	230	Viton	11	10	S302GF02V2AE1	

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

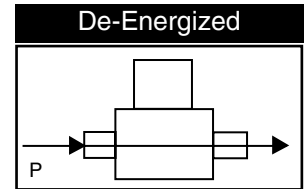
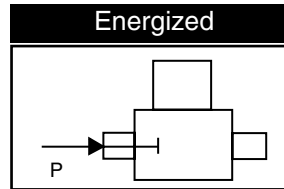
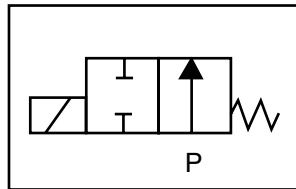


# S302 – 1/8" NPT, Stainless Steel Body, Normally Open



## Valve Selection List

Normally Open



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Rulon	11	10	S302GF02R2AC1
	3/64	.05	0	600	600	600	600	600	600	150*	150*	366	Rulon	11	10	S302GF02R2AC3
	1/16	.10	0	325	325	325	325	325	325	150*	150*	366	Rulon	11	10	S302GF02R2AC5
	7/64	.15	0	235	235	235	235	235	235	150*	150*	366	Rulon	11	10	S302GF02R2AC7
	3/32	.20	0	150	150	150	150	150	150	150*	150*	366	Rulon	11	10	S302GF02R2AC9
	7/64	.25	0	125	125	125	125	125	125	125*	125*	366	Rulon	11	10	S302GF02R2AD3
	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Rulon	11	10	S302GF02R2AD5
	5/32	.43	0	60	60	60	60	60	60	60*	60*	366	Rulon	11	10	S302GF02R2AD7
	3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Rulon	11	10	S302GF02R2AE1
1/8	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Teflon	11	10	S302GF02T2AC1
	3/64	.05	0	600	600	600	600	600	600	150*	150*	366	Teflon	11	10	S302GF02T2AC3
	1/16	.10	0	325	325	325	325	325	325	150*	150*	366	Teflon	11	10	S302GF02T2AC5
	5/64	.15	0	235	235	235	235	235	235	150*	150*	366	Teflon	11	10	S302GF02T2AC7
	3/32	.20	0	150	150	150	150	150	150	150*	150*	366	Teflon	11	10	S302GF02T2AC9
	7/64	.25	0	125	125	125	125	125	125	125*	125*	366	Teflon	11	10	S302GF02T2AD3
	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Teflon	11	10	S302GF02T2AD5
	5/32	.43	0	60	60	60	60	60	60	60*	60*	366	Teflon	11	10	S302GF02T2AD7
	3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Teflon	11	10	S302GF02T2AE1

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



# S302 – 1/8" NPT, Stainless Steel Body, Normally Open

## Part Numbering

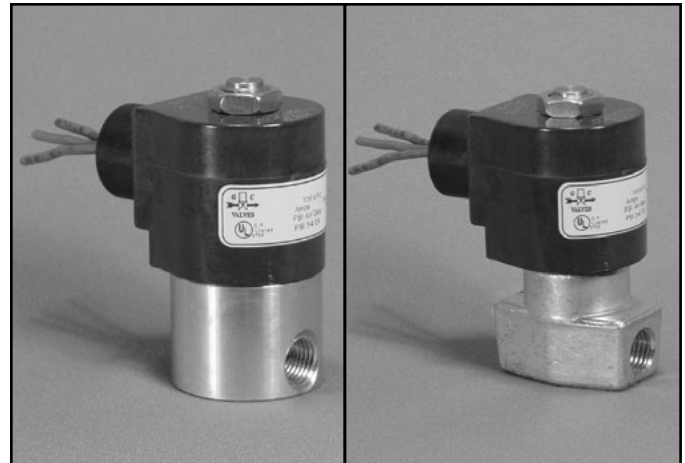
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S30			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	2: Stainless Steel	A: 1/8" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C9: 3/32" D5: 1/8" E1: 3/16"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	22

## 1/4" NPT Brass Body 2-Way Direct Acting Normally Closed

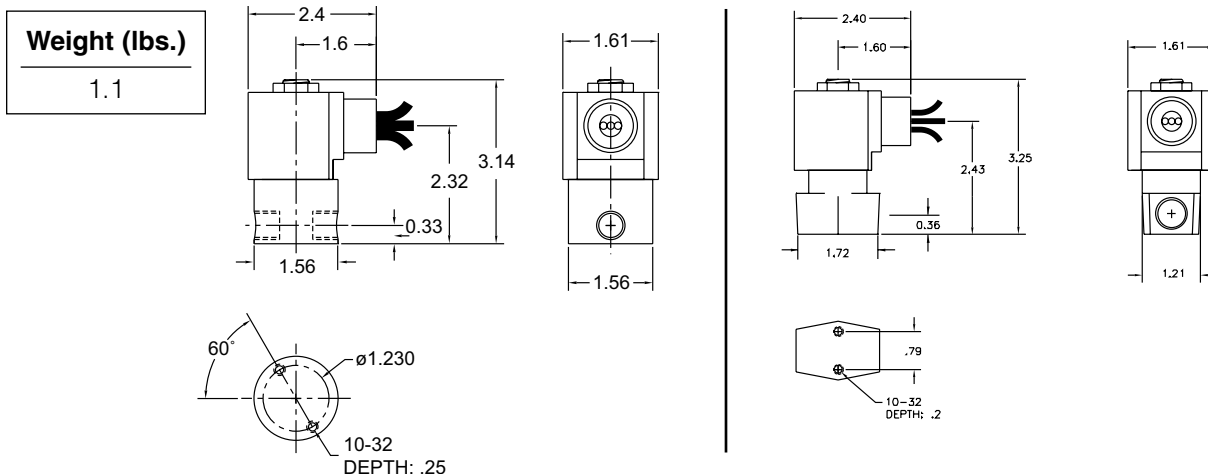


Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Safety Shut-off, UL Listed, UL Recognized, CSA Approved, FM Certified

\* Not available for all variations

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### Dimensions/Weight

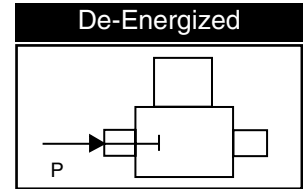
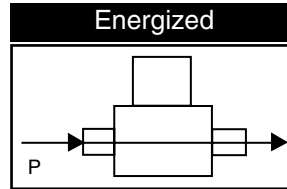
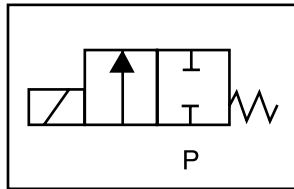




# S301 – 1/4" NPT, Brass Body, Normally Closed

## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)	
				Maximum										AC	DC		
				Air/Gas		Water		Light Oil		Steam*						Brass Body	
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC	DC
1/4	1/32	.03	0	2400	2400	2400	2400	—	—	150*	150*	295	EPR	10	10	S301GF02C8BC1	
	3/64	.05	0	1050	1000	1050	1000	—	—	150*	150*	295	EPR	10	10	S301GF02C8BC3	
	1/16	.10	0	700	300	700	300	—	—	150*	150*	295	EPR	10	10	S301GF02C8BC5	
	5/64	.15	0	500	240	500	240	—	—	150*	150*	295	EPR	10	10	S301GF02C8BC7	
	3/32	.21	0	400	200	400	200	—	—	150*	150*	295	EPR	10	10	S301GF02C8BC9	
	7/64	.29	0	350	170	350	170	—	—	150*	150*	295	EPR	10	10	S301GF02C8BD3	
	1/8	.36	0	200	140	200	140	—	—	150*	140*	295	EPR	10	10	S301GF02C8BD5	
	5/32	.44	0	150	100	150	100	—	—	150*	100*	295	EPR	10	10	S301GF02C8BD7	
	3/16	.65	0	100	70	100	70	—	—	100*	70*	295	EPR	10	10	S301GF02C8BE1	
	1/4	.85	0	50	20	50	20	—	—	50*	20*	295	EPR	10	10	S301GF02C9BE7	
	9/32	1.0	0	35	15	34	15	—	—	35*	15*	295	EPR	10	10	S301GF02C9BF1	
	3/8	1.1	0	20	5	20	5	—	—	20*	5*	295	EPR	10	10	S301GF02C9BF5	
1/4	1/32	.03	0	2400	2400	2400	2400	2400	—	—	180	Nitrile	10	10	S301GF02N8BC1		
	3/64	.05	0	1050	1000	1050	1000	1050	1000	—	—	180	Nitrile	10	10	S301GF02N8BC3	
	1/16	.10	0	700	300	700	300	700	300	—	—	180	Nitrile	10	10	S301GF02N8BC5	
	5/64	.15	0	500	240	500	240	500	240	—	—	180	Nitrile	10	10	S301GF02N8BC7	
	3/32	.21	0	400	200	400	200	400	200	—	—	180	Nitrile	10	10	S301GF02N8BC9	
	7/64	.29	0	350	170	350	170	350	170	—	—	180	Nitrile	10	10	S301GF02N8BD3	
	1/8	.36	0	200	140	200	140	200	140	—	—	180	Nitrile	10	10	S301GF02N8BD5	
	5/32	.44	0	150	100	150	100	150	100	—	—	180	Nitrile	10	10	S301GF02N8BD7	
	3/16	.65	0	100	70	100	70	100	70	—	—	180	Nitrile	10	10	S301GF02N8BE1	
	1/4	.85	0	50	20	50	20	50	20	—	—	180	Nitrile	10	10	S301GF02N9BE7	
	9/32	1.0	0	35	15	35	15	35	15	—	—	180	Nitrile	10	10	S301GF02N9BF1	
	3/8	1.1	0	20	5	20	5	20	5	—	—	180	Nitrile	10	10	S301GF02N9BF5	
1/4	1/32	.03	0	2400	2400	2400	2400	2400	—	—	230	Viton	10	10	S301GF02V8BC1		
	3/64	.05	0	1050	1000	1050	1000	1050	1000	—	—	230	Viton	10	10	S301GF02V8BC3	
	1/16	.10	0	700	300	700	300	700	300	—	—	230	Viton	10	10	S301GF02V8BC5	
	5/64	.15	0	500	240	500	240	500	240	—	—	230	Viton	10	10	S301GF02V8BC7	
	3/32	.21	0	400	200	400	200	400	200	—	—	230	Viton	10	10	S301GF02V8BC9	
	7/64	.29	0	350	170	350	170	350	170	—	—	230	Viton	10	10	S301GF02V8BD3	
	1/8	.36	0	200	140	200	140	200	140	—	—	230	Viton	10	10	S301GF02V8BD5	
	5/32	.44	0	150	100	150	100	150	100	—	—	230	Viton	10	10	S301GF02V8BD7	
	3/16	.65	0	100	70	100	70	100	70	—	—	230	Viton	10	10	S301GF02V8BE1	
	1/4	.85	0	50	20	50	20	50	20	—	—	230	Viton	10	10	S301GF02V9BE7	
	9/32	1.0	0	35	15	35	15	35	15	—	—	230	Viton	10	10	S301GF02V9BF1	
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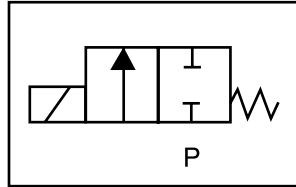
\* Class H Coil Recommended for Steam and Other High Temperature Applications

# S301 – 1/4" NPT, Brass Body, Normally Closed

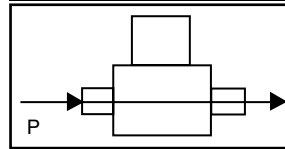


## Valve Selection List

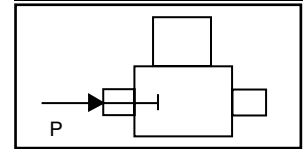
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Brass Body
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Rulon	10	10	S301GF02R8BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	150*	150*	366	Rulon	10	10	S301GF02R8BC3
	1/16	.10	0	700	300	700	300	700	300	150*	150*	366	Rulon	10	10	S301GF02R8BC5
	5/64	.15	0	500	240	500	240	500	240	150*	150*	366	Rulon	10	10	S301GF02R8BC7
	3/32	.21	0	400	200	400	200	400	200	150*	150*	366	Rulon	10	10	S301GF02R8BC9
	7/64	.29	0	350	170	350	170	350	170	150	150	366	Rulon	10	10	S301GF02R8BD3
	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Rulon	10	10	S301GF02R8BD5
	5/32	.44	0	150	100	150	100	150	100	150*	100*	366	Rulon	10	10	S301GF02R8BD7
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Rulon	10	10	S301GF02R8BE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Rulon	10	10	S301GF02R9BE7
	9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Rulon	10	10	S301GF02R9BF1
3/8	1.1	0	20	5	20	5	20	5	20*	5*	366	Rulon	10	10	S301GF02R9BF5	
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Teflon	10	10	S301GF02T8BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	150*	150*	366	Teflon	10	10	S301GF02T8BC3
	1/16	.10	0	700	300	700	300	700	300	150*	150*	366	Teflon	10	10	S301GF02T8BC5
	5/64	.15	0	500	240	500	240	500	240	150*	150*	366	Teflon	10	10	S301GF02T8BC7
	3/32	.21	0	400	200	400	200	400	200	150*	150*	366	Teflon	10	10	S301GF02T8BC9
	7/64	.29	0	350	170	350	170	350	170	150	150	366	Teflon	10	10	S301GF02T8BD3
	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Teflon	10	10	S301GF02T8BD5
	5/32	.44	0	150	100	150	100	150	100	150*	100*	366	Teflon	10	10	S301GF02T8BD7
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Teflon	10	10	S301GF02T8BE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Teflon	10	10	S301GF02T9BE7
	9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Teflon	10	10	S301GF02T9BF1
3/8	1.1	0	20	5	20	5	20	5	20*	5*	366	Teflon	10	10	S301GF02T9BF5	

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



# S301 – 1/4" NPT, Brass Body, Normally Closed

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>N</b>	<b>8</b>	<b>B</b>	<b>C</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S30			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	8: Brass 9: Forged Brass	B: 1/4" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C7: 5/64" C9: 3/32" D5: 1/8" D7: 5/32" E1: 3/16" E7: 1/4" F1: 9/32" F5: 3/8"	

\* See the "Engineering Guide" for additional voltages, variations and options.

®Brass

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)		60	50
Nominal Power (VA)	Inrush	46	46
	Holding	18	19

## 1/4" NPT Stainless Steel Body 2-Way Direct Acting Normally Closed



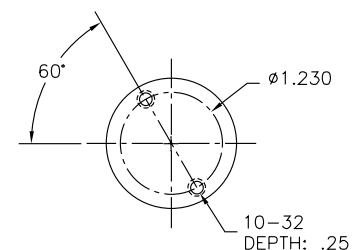
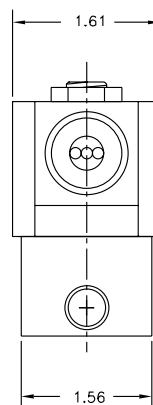
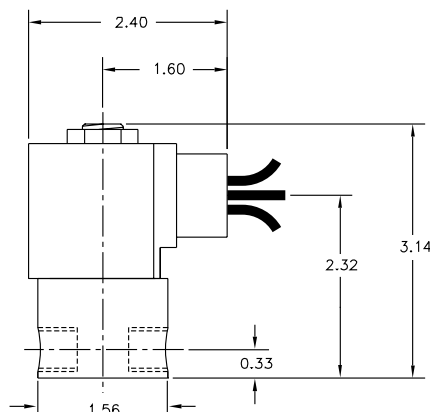
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Safety Shut-off, UL Listed, UL Recognized, CSA Approved, FM Certified

\* Not available for all variations

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### Dimensions/Weight

<b>Weight (lbs.)</b>
1.1

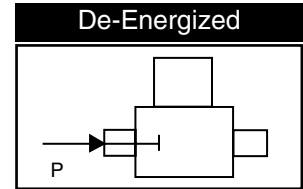
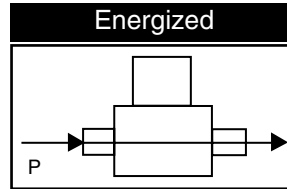
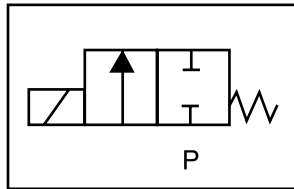




# S301 – 1/4" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
1/4	1/32	.03	0	2400	2400	2400	2400	—	—	150*	150*	295	EPR	10	10	S301GF02C3BC1
	3/64	.05	0	1050	1000	1050	1000	—	—	150*	150*	295	EPR	10	10	S301GF02C3BC3
	1/16	.10	0	700	300	700	300	—	—	150*	150*	295	EPR	10	10	S301GF02C3BC5
	5/64	.15	0	500	240	500	240	—	—	150*	150*	295	EPR	10	10	S301GF02C3BC7
	3/32	.21	0	400	200	400	200	—	—	150*	150*	295	EPR	10	10	S301GF02C3BC9
	7/64	.29	0	350	170	350	170	—	—	150*	150*	295	EPR	10	10	S301GF02C3BD3
	1/8	.36	0	200	140	200	140	—	—	150*	140*	295	EPR	10	10	S301GF02C3BD5
	5/32	.44	0	150	100	150	100	—	—	150*	100*	295	EPR	10	10	S301GF02C3BD7
	3/16	.65	0	100	70	100	70	—	—	100*	70*	295	EPR	10	10	S301GF02C3BE1
	1/4	.85	0	50	20	50	20	—	—	50*	20*	295	EPR	10	10	S301GF02C3BE7
9/32	1.0	0	35	15	35	15	—	—	35*	15*	295	EPR	10	10	S301GF02C3BF1	
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	180	Nitrile	10	10	S301GF02N3BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	—	—	180	Nitrile	10	10	S301GF02N3BC3
	1/16	.10	0	700	300	700	300	700	300	—	—	180	Nitrile	10	10	S301GF02N3BC5
	5/64	.15	0	500	240	500	240	500	240	—	—	180	Nitrile	10	10	S301GF02N3BC7
	3/32	.21	0	400	200	400	200	400	200	—	—	180	Nitrile	10	10	S301GF02N3BC9
	7/64	.29	0	350	170	350	170	350	170	—	—	180	Nitrile	10	10	S301GF02N3BD3
	1/8	.36	0	200	140	200	140	200	140	—	—	180	Nitrile	10	10	S301GF02N3BD5
	5/32	.44	0	150	100	150	100	150	100	—	—	180	Nitrile	10	10	S301GF02N3BD7
	3/16	.65	0	100	70	100	70	100	70	—	—	180	Nitrile	10	10	S301GF02N3BE1
	1/4	.85	0	50	20	50	20	50	20	—	—	180	Nitrile	10	10	S301GF02N3BE7
9/32	1.0	0	35	15	35	15	35	15	—	—	180	Nitrile	10	10	S301GF02N3BF1	
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	230	Viton	10	10	S301GF02V3BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	—	—	230	Viton	10	10	S301GF02V3BC3
	1/16	.10	0	700	300	700	300	700	300	—	—	230	Viton	10	10	S301GF02V3BC5
	5/64	.15	0	500	240	500	240	500	240	—	—	230	Viton	10	10	S301GF02V3BC7
	3/32	.21	0	400	200	400	200	400	200	—	—	230	Viton	10	10	S301GF02V3BC9
	7/64	.29	0	350	170	350	170	350	170	—	—	230	Viton	10	10	S301GF02V3BD3
	1/8	.36	0	200	140	200	140	200	140	—	—	230	Viton	10	10	S301GF02V3BD5
	5/32	.44	0	150	100	150	100	150	100	—	—	230	Viton	10	10	S301GF02V3BD7
	3/16	.65	0	100	70	100	70	100	70	—	—	230	Viton	10	10	S301GF02V3BE1
	1/4	.85	0	50	20	50	20	50	20	—	—	230	Viton	10	10	S301GF02V3BE7
9/32	1.0	0	35	15	35	15	35	15	—	—	230	Viton	10	10	S301GF02V3BF1	

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

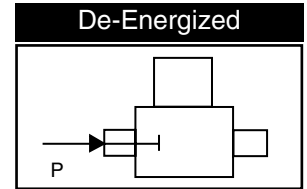
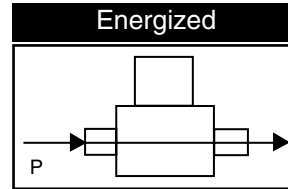
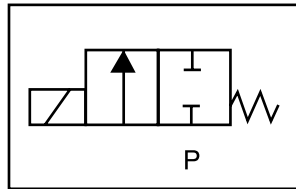


# S301 – 1/4" NPT, Stainless Steel Body, Normally Closed



## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Stainless Steel Body
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Rulon	10	10	S301GF02R3BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	150*	150*	366	Rulon	10	10	S301GF02R3BC3
	1/16	.10	0	700	300	700	300	700	300	150*	150*	366	Rulon	10	10	S301GF02R3BC5
	5/64	.15	0	500	240	500	240	500	240	150*	150*	366	Rulon	10	10	S301GF02R3BC7
	3/32	.21	0	400	200	400	200	400	200	150*	150*	366	Rulon	10	10	S301GF02R3BC9
	7/64	.29	0	350	170	350	170	350	170	150*	150*	366	Rulon	10	10	S301GF02R3BD3
	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Rulon	10	10	S301GF02R3BD5
	5/32	.44	0	150	100	150	100	150	100	150*	100*	366	Rulon	10	10	S301GF02R3BD7
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Rulon	10	10	S301GF02R3BE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Rulon	10	10	S301GF02R3BE7
	9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Rulon	10	10	S301GF02R3BF1
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Teflon	10	10	S301GF02T3BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	150*	150*	366	Teflon	10	10	S301GF02T3BC3
	1/16	.10	0	700	300	700	300	700	300	150*	150*	366	Teflon	10	10	S301GF02T3BC5
	5/64	.15	0	500	240	500	240	500	240	150*	150*	366	Teflon	10	10	S301GF02T3BC7
	3/32	.21	0	400	200	400	200	400	200	150*	150*	366	Teflon	10	10	S301GF02T3BC9
	7/64	.29	0	350	170	350	170	350	170	150*	150*	366	Teflon	10	10	S301GF02T3BD3
	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Teflon	10	10	S301GF02T3BD5
	5/32	.44	0	150	100	150	100	150	100	150*	100*	366	Teflon	10	10	S301GF02T3BD7
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Teflon	10	10	S301GF02T3BE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Teflon	10	10	S301GF02T3BE7
	9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Teflon	10	10	S301GF02T3BF1

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



# S301 – 1/4" NPT, Stainless Steel Body, Normally Closed

## Part Numbering

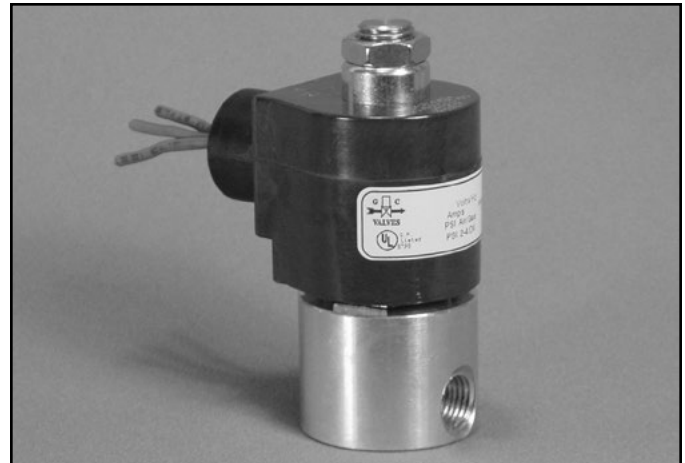
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S30			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	3: Stainless Steel	B: 1/4" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C7: 5/64" C9: 3/32" D5: 1/8" D7: 5/32" E1: 3/16" E7: 1/4" F1: 9/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	46	46
	Holding	18	19

## 1/4" NPT Brass Body 2-Way Direct Acting Normally Open



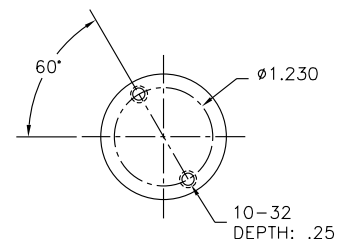
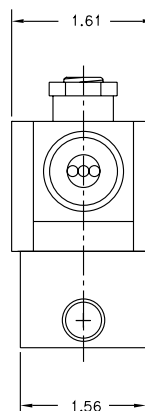
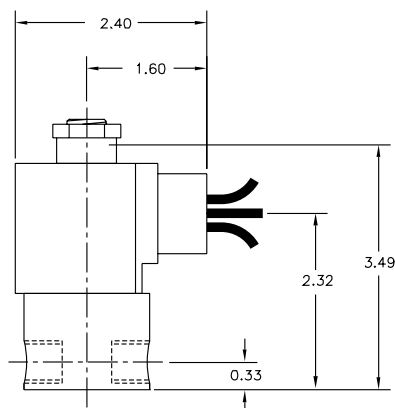
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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### Dimensions/Weight

<b>Weight (lbs.)</b>
1.1

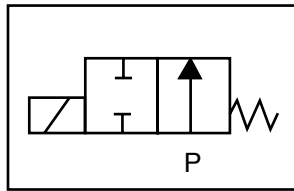




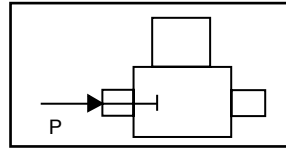
# S302 – 1/4" NPT, Brass Body, Normally Open

## Valve Selection List

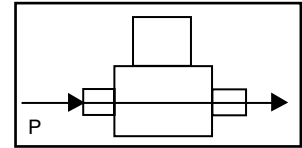
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown		
				Maximum										AC	DC			
				Air/Gas		Water		Light Oil		Steam*								
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Brass Body		
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	150*	150*	295	EPR	11	10	S302GF02C8BC1
	3/64	.05	0	600	600	600	600	600	600	—	—	150*	150*	295	EPR	11	10	S302GF02C8BC3
	1/16	.10	0	325	325	325	325	325	325	—	—	150*	150*	295	EPR	11	10	S302GF02C8BC5
	5/64	.15	0	235	235	235	235	235	235	—	—	150*	150*	295	EPR	11	10	S302GF02C8BC7
	3/32	.20	0	150	150	150	150	150	150	—	—	150*	150*	295	EPR	11	10	S302GF02C8BC9
	7/64	.25	0	125	125	125	125	125	125	—	—	125*	125*	295	EPR	11	10	S302GF02C8BD3
	1/8	.30	0	100	100	100	100	100	100	—	—	100*	100*	295	EPR	11	10	S302GF02C8BD5
	5/32	.43	0	60	60	60	60	60	60	—	—	60*	60*	295	EPR	11	10	S302GF02C8BD7
3/16	.65	0	40	40	40	40	40	40	—	—	40*	40*	295	EPR	11	10	S302GF02C8BE1	
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	180	Nitrile	11	10	S302GF02N8BC1		
	3/64	.05	0	600	600	600	600	600	600	—	—	180	Nitrile	11	10	S302GF02N8BC3		
	1/16	.10	0	325	325	325	325	325	325	—	—	180	Nitrile	11	10	S302GF02N8BC5		
	5/64	.15	0	235	235	235	235	235	235	—	—	180	Nitrile	11	10	S302GF02N8BC7		
	3/32	.20	0	150	150	150	150	150	150	—	—	180	Nitrile	11	10	S302GF02N8BC9		
	7/64	.25	0	125	125	125	125	125	125	—	—	180	Nitrile	11	10	S302GF02N8BD3		
	1/8	.30	0	100	100	100	100	100	100	—	—	180	Nitrile	11	10	S302GF02N8BD5		
	5/32	.43	0	60	60	60	60	60	60	—	—	180	Nitrile	11	10	S302GF02N8BD7		
3/16	.65	0	40	40	40	40	40	40	—	—	180	Nitrile	11	10	S302GF02N8BE1			
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	230	Viton	11	10	S302GF02V8BC1		
	3/64	.05	0	600	600	600	600	600	600	—	—	230	Viton	11	10	S302GF02V8BC3		
	1/16	.10	0	325	325	325	325	325	325	—	—	230	Viton	11	10	S302GF02V8BC5		
	5/64	.15	0	235	235	235	235	235	235	—	—	230	Viton	11	10	S302GF02V8BC7		
	3/32	.20	0	150	150	150	150	150	150	—	—	230	Viton	11	10	S302GF02V8BC9		
	7/64	.25	0	125	125	125	125	125	125	—	—	230	Viton	11	10	S302GF02V8BD3		
	1/8	.30	0	100	100	100	100	100	100	—	—	230	Viton	11	10	S302GF02V8BD5		
	5/32	.43	0	60	60	60	60	60	60	—	—	230	Viton	11	10	S302GF02V8BD7		
3/16	.65	0	40	40	40	40	40	40	—	—	230	Viton	11	10	S302GF02V8BE1			

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

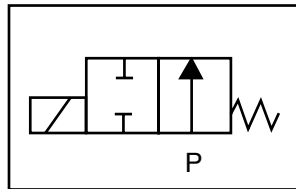
# S302 – 1/4" NPT, Brass Body, Normally Open



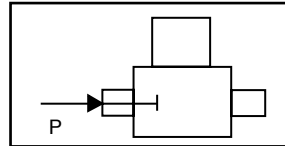
VALVES

## Valve Selection List

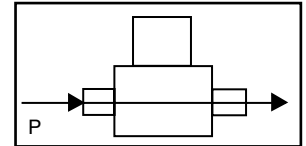
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Rulon	11	10	S302GF02R8BC1
	3/64	.05	0	600	600	600	600	600	600	150*	150*	366	Rulon	11	10	S302GF02R8BC3
	1/16	.10	0	325	325	325	325	325	325	150*	150*	366	Rulon	11	10	S302GF02R8BC5
	7/64	.15	0	235	235	235	235	235	235	150*	150*	366	Rulon	11	10	S302GF02R8BC7
	3/32	.20	0	150	150	150	150	150	150	150*	150*	366	Rulon	11	10	S302GF02R8BC9
	7/64	.25	0	125	125	125	125	125	125	125*	125*	366	Rulon	11	10	S302GF02R8BD3
	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Rulon	11	10	S302GF02R8BD5
	5/32	.43	0	60	60	60	60	60	60	60*	60*	366	Rulon	11	10	S302GF02R8BD7
3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Rulon	11	10	S302GF02R8BE1	
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Teflon	11	10	S302GF02T8BC1
	3/64	.05	0	600	600	600	600	600	600	150*	150*	366	Teflon	11	10	S302GF02T8BC3
	1/16	.10	0	325	325	325	325	325	325	150*	150*	366	Teflon	11	10	S302GF02T8BC5
	5/64	.15	0	235	235	235	235	235	235	150*	150*	366	Teflon	11	10	S302GF02T8BC7
	3/32	.20	0	150	150	150	150	150	150	150*	150*	366	Teflon	11	10	S302GF02T8BC9
	7/64	.25	0	125	125	125	125	125	125	125*	125*	366	Teflon	11	10	S302GF02T8BD3
	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Teflon	11	10	S302GF02T8BD5
	5/32	.43	0	60	60	60	60	60	60	60*	60*	366	Teflon	11	10	S302GF02T8BD7
3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Teflon	11	10	S302GF02T8BE1	

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



# S302 – 1/4" NPT, Brass Body, Normally Open

## Part Numbering

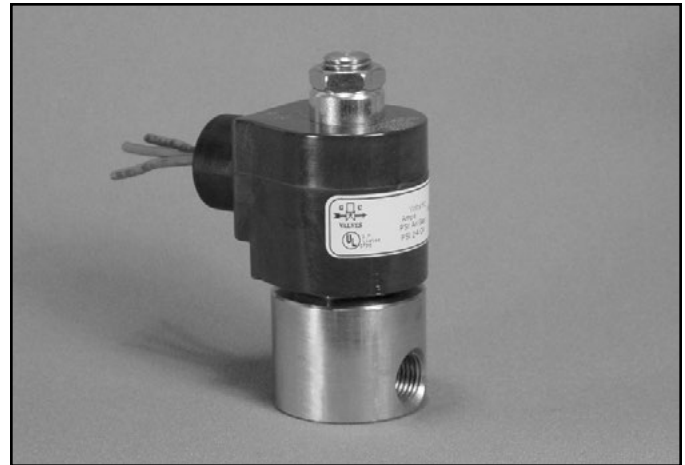
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S30			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	8: Brass	B: 1/4" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C9: 3/32" D5: 1/8" E1: 3/16"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	22

## 1/4" NPT Stainless Steel Body 2-Way Direct Acting Normally Open



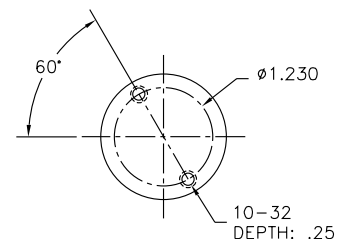
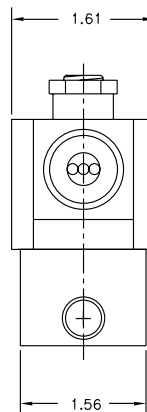
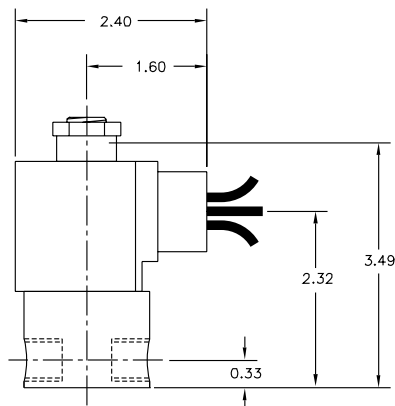
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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### Dimensions/Weight

<b>Weight (lbs.)</b>
1.1

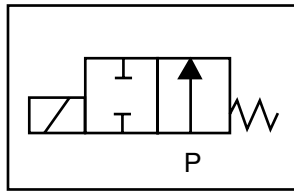




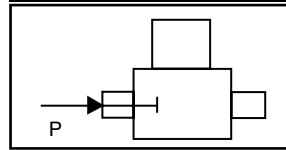
# S302 – 1/4" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

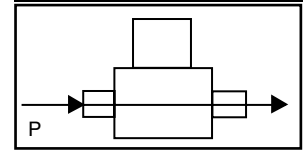
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
1/4	1/32	.03	0	2400	2400	2400	2400	—	—	150*	150*	295	EPR	11	10	S302GF02C3BC1
	3/64	.05	0	600	600	600	600	—	—	150*	150*	295	EPR	11	10	S302GF02C3BC3
	1/16	.10	0	325	325	325	325	—	—	150*	150*	295	EPR	11	10	S302GF02C3BC5
	5/64	.15	0	235	235	2235	235	—	—	150*	150*	295	EPR	11	10	S302GF02C3BC7
	3/32	.20	0	150	150	150	150	—	—	150*	150*	295	EPR	11	10	S302GF02C3BC9
	7/64	.25	0	125	125	125	125	—	—	125*	125*	295	EPR	11	10	S302GF02C3BD3
	1/8	.30	0	100	100	100	100	—	—	100*	100*	295	EPR	11	10	S302GF02C3BD5
	5/32	.43	0	60	60	60	60	—	—	60*	60*	295	EPR	11	10	S302GF02C3BD7
3/16	.65	0	40	40	40	40	—	—	40*	40*	295	EPR	11	10	S302GF02C3BE1	
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	180	Nitrile	11	10	S302GF02N3BC1
	3/64	.05	0	600	600	600	600	600	600	—	—	180	Nitrile	11	10	S302GF02N3BC3
	1/16	.10	0	325	325	325	325	325	325	—	—	180	Nitrile	11	10	S302GF02N3BC5
	5/64	.15	0	235	235	235	235	235	235	—	—	180	Nitrile	11	10	S302GF02N3BC7
	3/32	.20	0	150	150	150	150	150	150	—	—	180	Nitrile	11	10	S302GF02N3BC9
	7/64	.25	0	125	125	125	125	125	125	—	—	180	Nitrile	11	10	S302GF02N3BD3
	1/8	.30	0	100	100	100	100	100	100	—	—	180	Nitrile	11	10	S302GF02N3BD5
	5/32	.43	0	60	60	60	60	60	60	—	—	180	Nitrile	11	10	S302GF02N3BD7
3/16	.65	0	40	40	40	40	40	40	—	—	180	Nitrile	11	10	S302GF02N3BE1	
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	—	230	Viton	11	10	S302GF02V3BC1
	3/64	.05	0	600	600	600	600	600	600	—	—	230	Viton	11	10	S302GF02V3BC3
	1/16	.10	0	325	325	325	325	325	325	—	—	230	Viton	11	10	S302GF02V3BC5
	5/64	.15	0	235	235	235	235	235	235	—	—	230	Viton	11	10	S302GF02V3BC7
	3/32	.20	0	150	150	150	150	150	150	—	—	230	Viton	11	10	S302GF02V3BC9
	7/64	.25	0	125	125	125	125	125	125	—	—	230	Viton	11	10	S302GF02V3BD3
	1/8	.30	0	100	100	100	100	100	100	—	—	230	Viton	11	10	S302GF02V3BD5
	5/32	.43	0	60	60	60	60	60	60	—	—	230	Viton	11	10	S302GF02V3BD7
3/16	.65	0	40	40	40	40	40	40	—	—	230	Viton	11	10	S302GF02V3BE1	

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

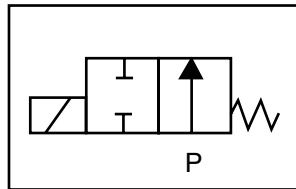


# S302 – 1/4" NPT, Stainless Steel Body, Normally Open

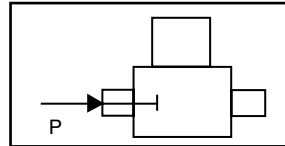


## Valve Selection List

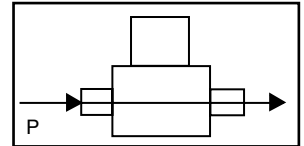
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Rulon	11	10	S302GF02R3BC1
	3/64	.05	0	600	600	600	600	600	600	150*	150*	366	Rulon	11	10	S302GF02R3BC3
	1/16	.10	0	325	325	325	325	325	325	150*	150*	366	Rulon	11	10	S302GF02R3BC5
	5/64	.15	0	235	235	235	235	235	235	150*	150*	366	Rulon	11	10	S302GF02R3BC7
	3/32	.20	0	150	150	150	150	150	150	150*	150*	366	Rulon	11	10	S302GF02R3BC9
	7/64	.25	0	125	125	125	125	125	125	125*	125*	366	Rulon	11	10	S302GF02R3BD3
	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Rulon	11	10	S302GF02R3BD5
	5/32	.43	0	60	60	60	60	60	60	60*	60*	366	Rulon	11	10	S302GF02R3BD7
3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Rulon	11	10	S302GF02R3BE1	
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Teflon	11	10	S302GF02T3BC1
	3/64	.05	0	600	600	600	600	600	600	150*	150*	366	Teflon	11	10	S302GF02T3BC3
	1/16	.10	0	325	325	325	325	325	325	150*	150*	366	Teflon	11	10	S302GF02T3BC5
	5/64	.15	0	235	235	235	235	235	235	150*	150*	366	Teflon	11	10	S302GF02T3BC7
	3/32	.20	0	150	150	150	150	150	150	150*	150*	366	Teflon	11	10	S302GF02T3BC9
	7/64	.25	0	125	125	125	125	125	125	125*	125*	366	Teflon	11	10	S302GF02T3BD3
	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Teflon	11	10	S302GF02T3BD5
	5/32	.43	0	60	60	60	60	60	60	60*	60*	366	Teflon	11	10	S302GF02T3BD7
3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Teflon	11	10	S302GF02T3BE1	

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



# S302 – 1/4" NPT, Stainless Steel Body, Normally Open

## Part Numbering

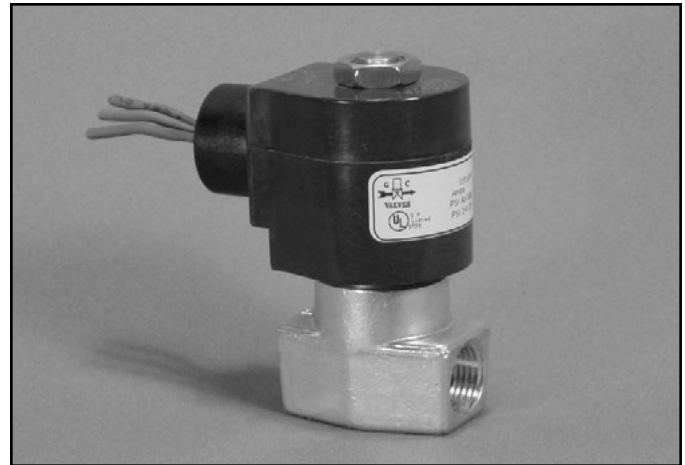
1	2	3	4	5	6	7	8	9	10	11	12	13
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S30			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	3: Stainless Steel	B: 1/4" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C9: 3/32" D5: 1/8" E1: 3/16"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	22

## 3/8" NPT Brass Body 2-Way Direct Acting Normally Closed



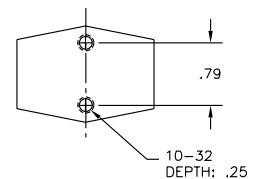
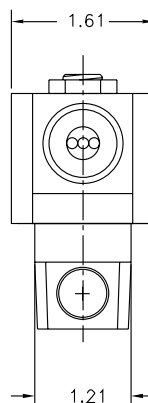
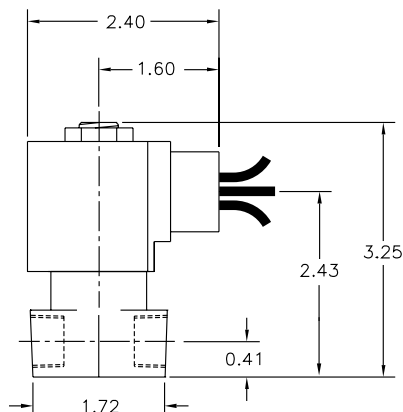
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Safety Shut-off, UL Listed, UL Recognized, CSA Approved, FM Certified

\* Not available for all variations

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### Dimensions/Weight

<b>Weight (lbs.)</b>
1.3

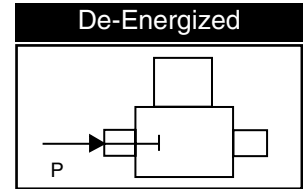
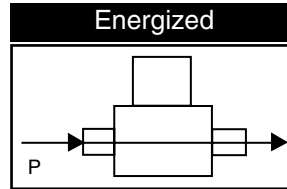
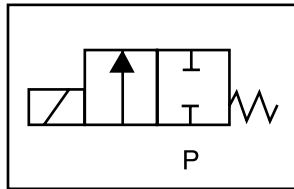




# S301 – 3/8" NPT, Brass Body, Normally Closed

## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	
3/8	1/8	.36	0	200	140	200	140	—	—	150*	140*	295	EPR	10	10	S301GF02C9CD5
	3/16	.65	0	100	70	100	70	—	—	100*	70*	295	EPR	10	10	S301GF02C9CE1
	1/4	.85	0	50	20	50	20	—	—	50*	20*	295	EPR	10	10	S301GF02C9BE7
	9/32	1.0	0	35	15	35	15	—	—	35*	15*	295	EPR	10	10	S301GF02C9CF1
	3/8	1.3	0	20	5	20	5	—	—	20*	5*	295	EPR	10	10	S301GF02C9CF5
3/8	1/8	.36	0	200	140	200	140	200	140	—	—	180	Nitrile	10	10	S301GF02N9CD5
	3/16	.65	0	100	70	100	70	100	70	—	—	180	Nitrile	10	10	S301GF02N9CE1
	1/4	.85	0	50	20	50	20	50	20	—	—	180	Nitrile	10	10	S301GF02N9BE7
	9/32	1.0	0	35	15	35	15	35	15	—	—	180	Nitrile	10	10	S301GF02N9CF1
	3/8	1.3	0	20	5	20	5	20	5	—	—	180	Nitrile	10	10	S301GF02N9CF5
3/8	1/8	.36	0	200	140	200	140	200	140	—	—	230	Viton	10	10	S301GF02V9CD5
	3/16	.65	0	100	70	100	70	100	70	—	—	230	Viton	10	10	S301GF02V9CE1
	1/4	.85	0	50	20	50	20	50	20	—	—	230	Viton	10	10	S301GF02V9BE7
	9/32	1.0	0	35	15	35	15	35	15	—	—	230	Viton	10	10	S301GF02V9CF1
	3/8	1.3	0	20	5	20	5	20	5	—	—	230	Viton	10	10	S301GF02V9CF5
3/8	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Rulon	10	10	S301GF02R9CD5
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Rulon	10	10	S301GF02R9CE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Rulon	10	10	S301GF02R9BE7
	9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Rulon	10	10	S301GF02R9CF1
	3/8	1.3	0	20	5	20	5	20	5	20*	5*	366	Rulon	10	10	S301GF02R9CF5
3/8	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Teflon	10	10	S301GF02T9CD5
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Teflon	10	10	S301GF02T9CE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Teflon	10	10	S301GF02T9BE7
	9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Teflon	10	10	S301GF02T9CF1
	3/8	1.3	0	20	5	20	5	20	5	20*	5*	366	Teflon	10	10	S301GF02T9CF5

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

# S301 – 3/8" NPT, Brass Body, Normally Closed



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>9</b>	<b>C</b>	<b>D</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S30			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	9: Forged Brass	C: 3/8" NPT	D5: 1/8" E1: 3/16" E7: 1/4" F1: 9/32" F5: 3/8"*	
* See the "Engineering Guide" for additional voltages, variations and options.												

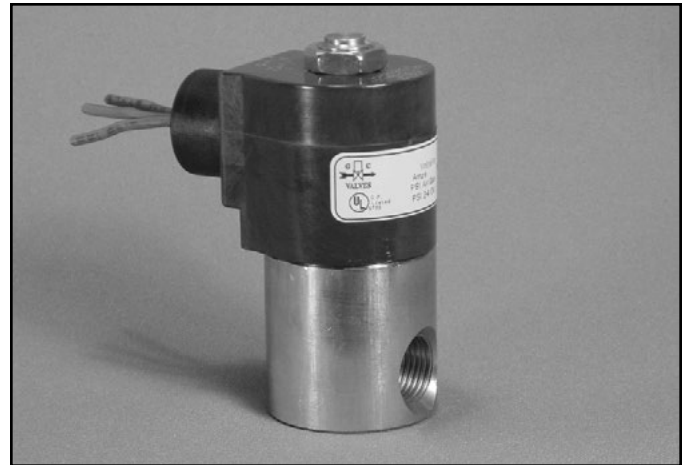
\*Brass

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	18

## 3/8" NPT Stainless Steel Body 2-Way Direct Acting Normally Closed



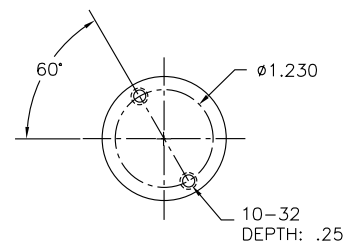
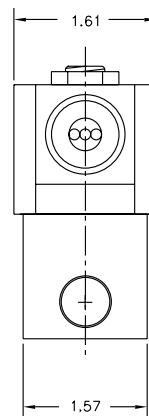
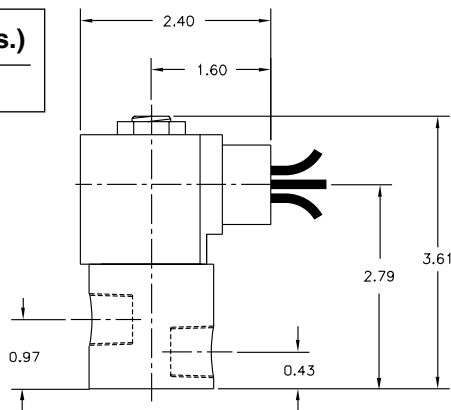
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Safety Shut-off, UL Listed, UL Recognized, CSA Approved, FM Certified

\* Not available for all variations

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### Dimensions/Weight

**Weight (lbs.)**  
1.3

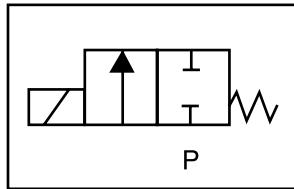




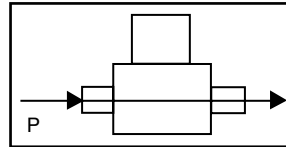
# S301 – 3/8" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

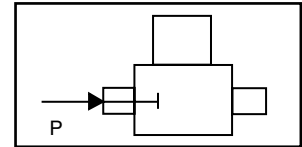
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Stainless Steel Body
3/8	1/8	.36	0	200	140	200	140	—	—	150*	140*	295	EPR	10	10	S301GF02C3CD5
	3/16	.65	0	100	70	100	70	—	—	100*	70*	295	EPR	10	10	S301GF02C3CE1
	1/4	.85	0	50	20	50	20	—	—	50*	20*	295	EPR	10	10	S301GF02C3CE7
	9/32	1.0	0	35	15	35	15	—	—	35*	15*	295	EPR	10	10	S301GF02C3CF1
	3/8	1.3	0	20	5	20	5	—	—	20*	5*	295	EPR	10	10	S301GF02C3CF5
3/8	1/8	.36	0	200	140	200	140	200	140	—	—	180	Nitrile	10	10	S301GF02N3CD5
	3/16	.65	0	100	70	100	70	100	70	—	—	180	Nitrile	10	10	S301GF02N3CE1
	1/4	.85	0	50	20	50	20	50	20	—	—	180	Nitrile	10	10	S301GF02N3CE7
	9/32	1.0	0	35	15	35	15	35	15	—	—	180	Nitrile	10	10	S301GF02N3CF1
	3/8	1.3	0	20	5	20	5	20	5	—	—	180	Nitrile	10	10	S301GF02N3CF5
3/8	1/8	.36	0	200	140	200	140	200	140	—	—	230	Viton	10	10	S301GF02V3CD5
	3/16	.65	0	100	70	100	70	100	70	—	—	230	Viton	10	10	S301GF02V3CE1
	1/4	.85	0	50	20	50	20	50	20	—	—	230	Viton	10	10	S301GF02V3CE7
	9/32	1.0	0	35	15	35	15	35	15	—	—	230	Viton	10	10	S301GF02V3CF1
	3/8	1.3	0	20	5	20	5	20	5	—	—	230	Viton	10	10	S301GF02V3CF5
3/8	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Rulon	10	10	S301GF02R3CD5
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Rulon	10	10	S301GF02R3CE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Rulon	10	10	S301GF02R3CE7
	9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Rulon	10	10	S301GF02R3CF1
	3/8	1.3	0	20	5	20	5	20	5	20*	5*	366	Rulon	10	10	S301GF02R3CF5
3/8	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Teflon	10	10	S301GF02T3CD5
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Teflon	10	10	S301GF02T3CE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Teflon	10	10	S301GF02T3CE7
	9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Teflon	10	10	S301GF02T3CF1
	3/8	1.3	0	20	5	20	5	20	5	20*	5*	366	Teflon	10	10	S301GF02T3CF5

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

# S301 – 3/8" NPT, Stainless Steel Body, Normally Closed



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>3</b>	<b>C</b>	<b>D</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S30			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	3: Stainless Steel	C: 3/8" NPT	D5: 1/8" E1: 3/16" E7: 1/4" F1: 9/32" F5: 3/8"	
* See the "Engineering Guide" for additional voltages, variations and options.												

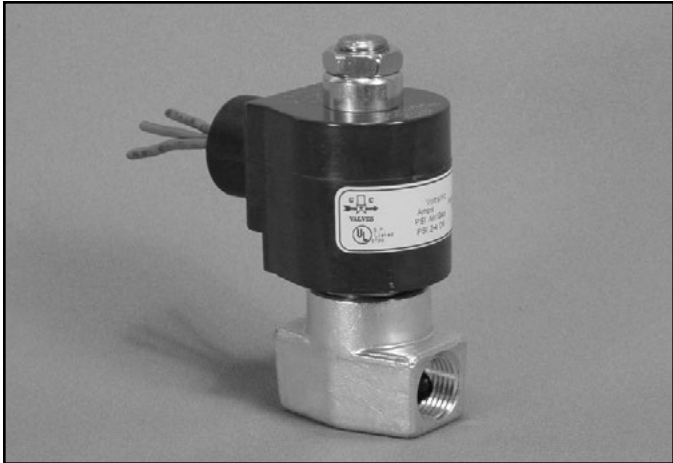
## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	18



## 3/8" NPT Brass Body 2-Way Direct Acting Normally Open



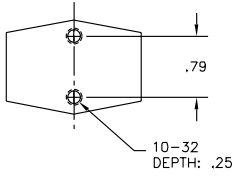
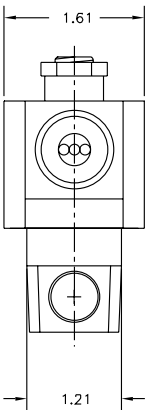
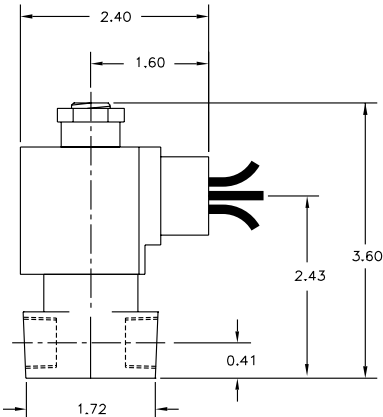
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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### Dimensions/Weight

**Weight (lbs.)**  
1.1

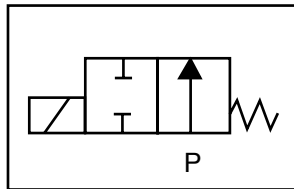




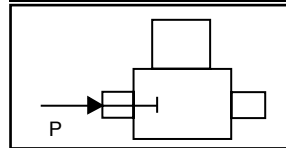
# S302 – 3/8" NPT, Brass Body, Normally Open

## Valve Selection List

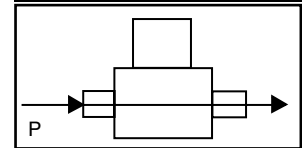
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	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						
3/8	1/8	.30	0	100	100	100	100	—	—	100*	100*	295	EPR	11	10	S302GF02C9CD5
	3/16	.65	0	40	40	40	40	—	—	40*	40*	295	EPR	11	10	S302GF02C9CE1
3/8	1/8	.30	0	100	100	100	100	100	100	—	—	180	Nitrile	11	10	S302GF02N9CD5
	3/16	.65	0	40	40	40	40	40	40	—	—	180	Nitrile	11	10	S302GF02N9CE1
3/8	1/8	.30	0	100	100	100	100	100	100	—	—	230	Viton	11	10	S302GF02V9CD5
	3/16	.65	0	40	40	40	40	40	40	—	—	230	Viton	11	10	S302GF02V9CE1
3/8	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Rulon	11	10	S302GF02R9CD5
	3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Rulon	11	10	S302GF02R9CE1
3/8	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Teflon	11	10	S302GF02T9CD5
	3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Teflon	11	10	S302GF02T9CE1

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

# S302 – 3/8" NPT, Brass Body, Normally Open



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>9</b>	<b>C</b>	<b>D</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S30			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	9: Forged Brass	C: 3/8" NPT	D5: 1/8" E1: 3/16"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	22



## 3/8" NPT Stainless Steel Body 2-Way Direct Acting Normally Open



Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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### Dimensions/Weight

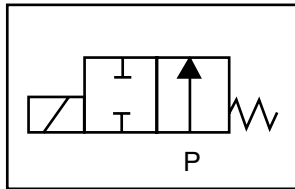
<b>Weight (lbs.)</b>
1.1



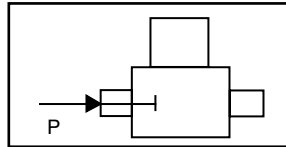
# S302 – 3/8" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

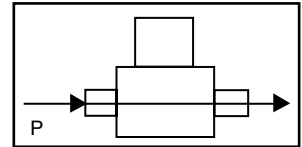
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Operating Pressure Differential (psi)										Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
			Maximum												AC	DC	
			Air/Gas		Water		Light Oil		Steam*								
			AC	DC	AC	DC	AC	DC	AC	DC	AC	DC					Stainless Steel Body
3/8	1/8	.36	0	100	100	100	100	—	—	100*	100*	295	EPR	11	10	S302GF02C3CD5	
	3/16	.65	0	40	40	40	40	—	—	40*	40*	295	EPR	11	10	S302GF02C3CE1	
3/8	1/8	.36	0	100	100	100	100	100	100	—	—	180	Nitrile	11	10	S302GF02N3CD5	
	3/16	.65	0	40	40	40	40	40	40	—	—	180	Nitrile	11	10	S302GF02N3CE1	
3/8	1/8	.36	0	100	100	100	100	100	100	—	—	230	Viton	11	10	S302GF02V3CD5	
	3/16	.65	0	40	40	40	40	40	40	—	—	230	Viton	11	10	S302GF02V3CE1	
3/8	1/8	.36	0	100	100	100	100	100	100	100*	100*	366	Rulon	11	10	S302GF02R3CD5	
	3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Rulon	11	10	S302GF02R3CE1	
3/8	1/8	.36	0	100	100	100	100	100	100	100*	100*	366	Teflon	11	10	S302GF02T3CD5	
	3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Teflon	11	10	S302GF02T3CE1	

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

# S302 – 3/8" NPT, Stainless Steel Body, Normally Open



## Part Numbering

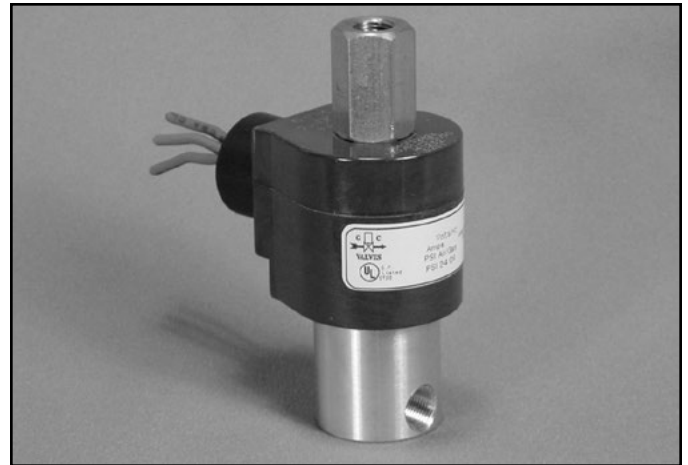
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>3</b>	<b>C</b>	<b>D</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S30			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	3: Stainless Steel	C: 3/8" NPT	D5: 1/8" E1: 3/16"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	22
		25

- 1/8" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Closed



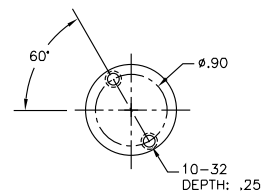
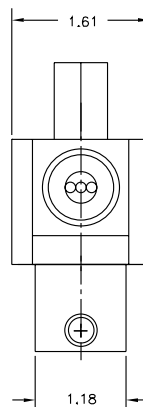
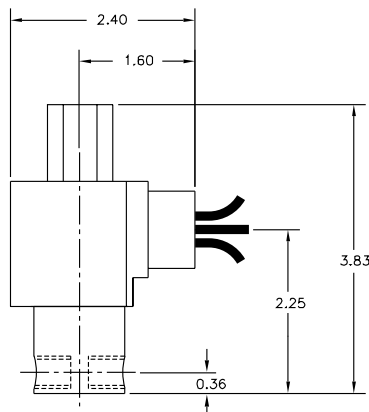
Materials	Seals	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifice      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**  
1.0

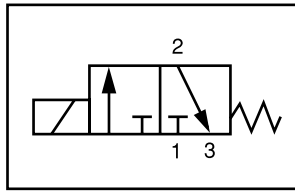




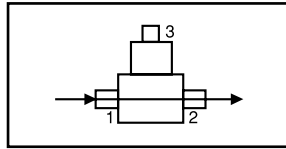
# S303 – 1/8" NPT, Brass Body, Normally Closed

## Valve Selection List

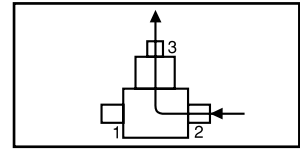
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
Brass Body															
1/8	3/64	1/16	.05	.10	220	220	220	200	—	—	295	EPR	10	10	S303GF02C8AV1
	1/16	1/16	.08	.10	150	150	150	150	—	—	295	EPR	10	10	S303GF02C8AC5
	3/32	3/32	.18	.23	100	100	100	100	—	—	295	EPR	10	10	S303GF02C8AC9
	1/8	3/32	.30	.23	75	75	75	75	—	—	295	EPR	10	10	S303GF02C8AV3
	5/32	3/32	.41	.23	50	50	50	50	—	—	295	EPR	10	10	S303GF02C8AV7
	3/16	3/32	.53	.23	30	30	30	30	—	—	295	EPR	10	10	S303GF02C8AV9
	1/4	3/32	.83	.23	15	15	15	15	—	—	295	EPR	10	10	S303GF02C8AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S303GF02N8AV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	180	Nitrile	10	10	S303GF02N8AC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	180	Nitrile	10	10	S303GF02N8AC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	180	Nitrile	10	10	S303GF02N8AV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	180	Nitrile	10	10	S303GF02N8AV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	180	Nitrile	10	10	S303GF02N8AV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	180	Nitrile	10	10	S303GF02N8AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S303GF02V8AV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	230	Viton	10	10	S303GF02V8AC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	230	Viton	10	10	S303GF02V8AC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	230	Viton	10	10	S303GF02V8AV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	230	Viton	10	10	S303GF02V8AV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	230	Viton	10	10	S303GF02V8AV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	230	Viton	10	10	S303GF02V8AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S303GF02T8AV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	366*	Teflon	10	10	S303GF02T8AC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	366*	Teflon	10	10	S303GF02T8AC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	366*	Teflon	10	10	S303GF02T8AV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	366*	Teflon	10	10	S303GF02T8AV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	366*	Teflon	10	10	S303GF02T8AV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	366*	Teflon	10	10	S303GF02T8AW1

\* Class H Coil Recommended for High Temperature Applications



# S303 – 1/8" NPT, Brass Body, Normally Closed



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>A</b>	<b>V</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	A: 1/8" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/8" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Closed
- Free Exhaust



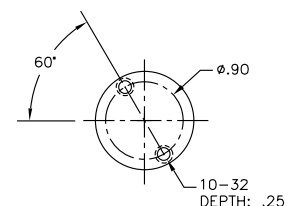
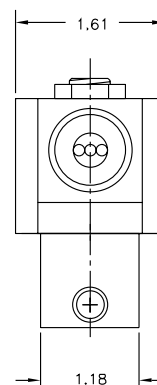
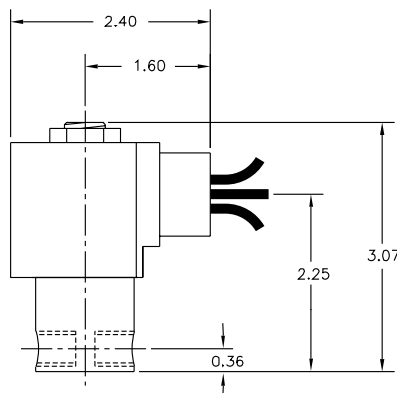
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifice:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0

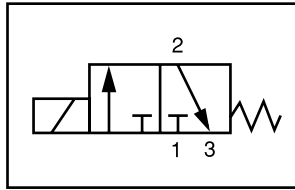




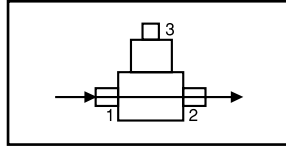
# S307 – 1/8" NPT, Brass Body, Normally Closed, Free Exhaust

## Valve Selection List

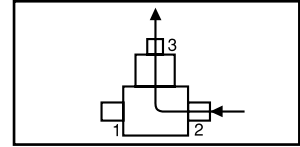
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/8	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S307GF02C8AV1
	1/16	1/16	.08	.10	150	150	150	150	—	—	295	EPR	10	10	S307GF02C8AC5
	3/32	3/32	.18	.23	100	100	100	100	—	—	295	EPR	10	10	S307GF02C8AC9
	1/8	3/32	.30	.23	75	75	75	75	—	—	295	EPR	10	10	S307GF02C8AV3
	5/32	3/32	.41	.23	50	50	50	50	—	—	295	EPR	10	10	S307GF02C8AV7
	3/16	3/32	.53	.23	30	30	30	30	—	—	295	EPR	10	10	S307GF02C8AV9
	1/4	3/32	.83	.23	15	15	15	15	—	—	295	EPR	10	10	S307GF02C8AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S307GF02N8AV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	180	Nitrile	10	10	S307GF02N8AC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	180	Nitrile	10	10	S307GF02N8AC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	180	Nitrile	10	10	S307GF02N8AV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	180	Nitrile	10	10	S307GF02N8AV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	180	Nitrile	10	10	S307GF02N8AV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	180	Nitrile	10	10	S307GF02N8AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S307GF02V8AV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	230	Viton	10	10	S307GF02V8AC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	230	Viton	10	10	S307GF02V8AC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	230	Viton	10	10	S307GF02V8AV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	230	Viton	10	10	S307GF02V8AV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	230	Viton	10	10	S307GF02V8AV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	230	Viton	10	10	S307GF02V8AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S307GF02T8AV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	366*	Teflon	10	10	S307GF02T8AC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	366*	Teflon	10	10	S307GF02T8AC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	366*	Teflon	10	10	S307GF02T8AV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	366*	Teflon	10	10	S307GF02T8AV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	366*	Teflon	10	10	S307GF02T8AV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	366*	Teflon	10	10	S307GF02T8AW1

\* Class H Coil Recommended for High Temperature Applications

# S307 – 1/8" NPT, Brass Body, Normally Closed, Free Exhaust



## Part Numbering

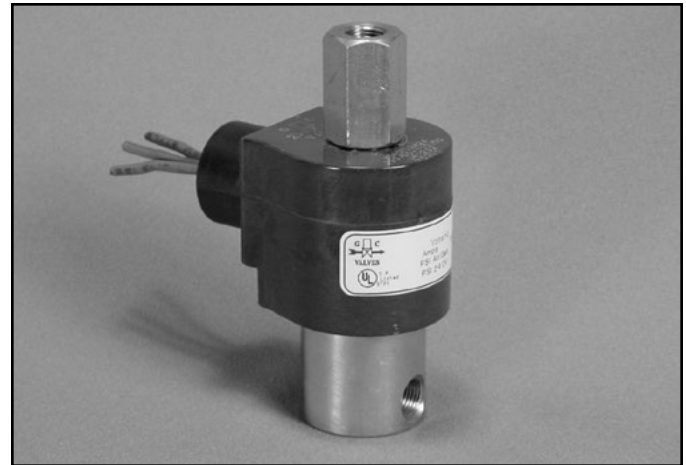
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			7: Normally Closed (Free Exhaust)	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	A: 1/8" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)		60	50
Nominal Power (VA)	Inrush	46	46
	Holding	20	23

- 1/8" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Closed



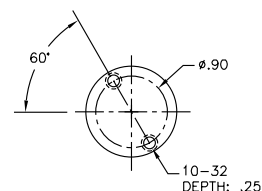
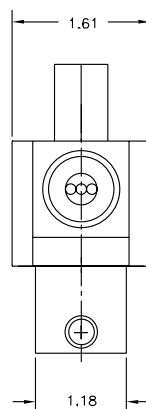
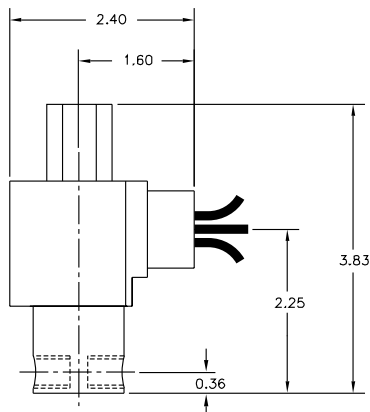
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**  
1.0

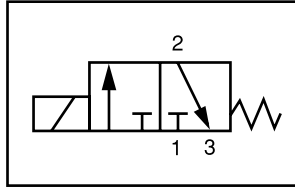




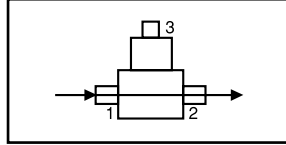
# S303 – 1/8" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

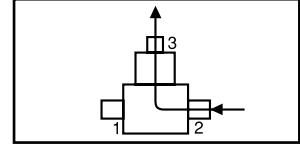
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )  Stainless Steel Body
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/8	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S303GF02C2AV1
	1/16	1/16	.08	.10	150	150	150	150	—	—	295	EPR	10	10	S303GF02C2AC5
	3/32	3/32	.18	.23	100	100	100	100	—	—	295	EPR	10	10	S303GF02C2AC9
	1/8	3/32	.30	.23	75	75	75	75	—	—	295	EPR	10	10	S303GF02C2AV3
	5/32	3/32	.41	.23	50	50	50	50	—	—	295	EPR	10	10	S303GF02C2AV7
	3/16	3/32	.53	.23	30	30	30	30	—	—	295	EPR	10	10	S303GF02C2AV9
	1/4	3/32	.83	.23	15	15	15	15	—	—	295	EPR	10	10	S303GF02C2AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S303GF02N2AV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	180	Nitrile	10	10	S303GF02N2AC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	180	Nitrile	10	10	S303GF02N2AC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	180	Nitrile	10	10	S303GF02N2AV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	180	Nitrile	10	10	S303GF02N2AV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	180	Nitrile	10	10	S303GF02N2AV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	180	Nitrile	10	10	S303GF02N2AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S303GF02V2AV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	230	Viton	10	10	S303GF02V2AC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	230	Viton	10	10	S303GF02V2AC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	230	Viton	10	10	S303GF02V2AV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	230	Viton	10	10	S303GF02V2AV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	230	Viton	10	10	S303GF02V2AV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	230	Viton	10	10	S303GF02V2AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S303GF02T2AV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	366*	Teflon	10	10	S303GF02T2AC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	366*	Teflon	10	10	S303GF02T2AC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	366*	Teflon	10	10	S303GF02T2AV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	366*	Teflon	10	10	S303GF02T2AV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	366*	Teflon	10	10	S303GF02T2AV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	366*	Teflon	10	10	S303GF02T2AW1

\* Class H Coil Recommended for High Temperature Applications

# S303 – 1/8" NPT, Stainless Steel Body, Normally Closed



## Part Numbering

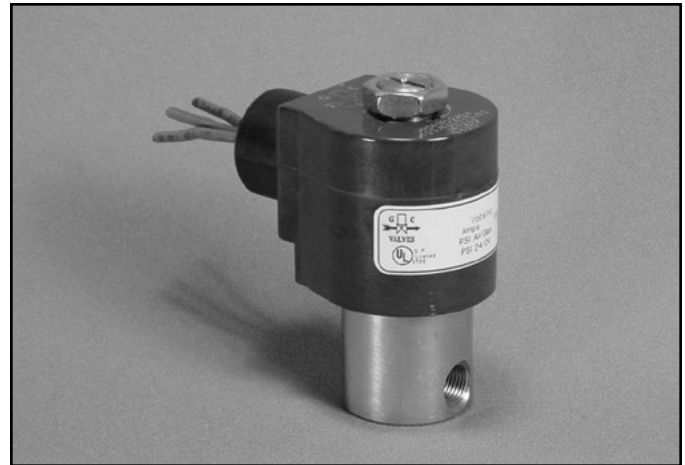
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	2: Stainless Steel	A: 1/8" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/8" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Closed
- Free Exhaust



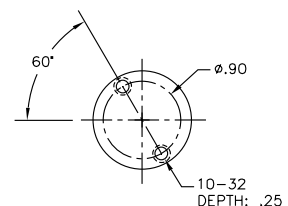
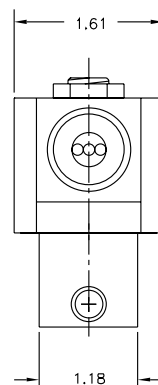
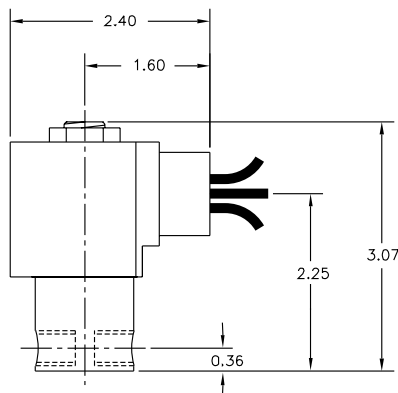
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

® Registered Trademark of DuPont Co.

## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0



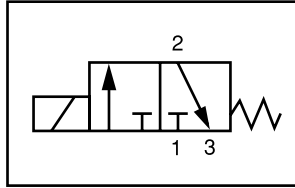




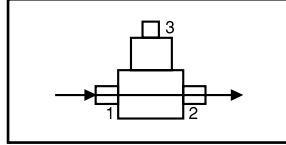
# S307 – 1/8" NPT, Stainless Steel Body, Normally Closed, Free Exhaust

## Valve Selection List

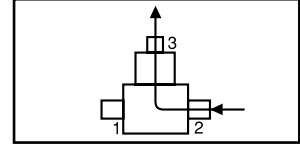
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
	AC	DC	AC	DC	AC	DC									
1/8	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S307GF02C2AV1
	1/16	1/16	.08	.10	150	150	150	150	—	—	295	EPR	10	10	S307GF02C2AC5
	3/32	3/32	.18	.23	100	100	100	100	—	—	295	EPR	10	10	S307GF02C2AC9
	1/8	3/32	.30	.23	75	75	75	75	—	—	295	EPR	10	10	S307GF02C2AV3
	5/32	3/32	.41	.23	50	50	50	50	—	—	295	EPR	10	10	S307GF02C2AV7
	3/16	3/32	.53	.23	30	30	30	30	—	—	295	EPR	10	10	S307GF02C2AV9
	1/4	3/32	.83	.23	15	15	15	15	—	—	295	EPR	10	10	S307GF02C2AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S307GF02N2AV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	180	Nitrile	10	10	S307GF02N2AC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	180	Nitrile	10	10	S307GF02N2AC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	180	Nitrile	10	10	S307GF02N2AV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	180	Nitrile	10	10	S307GF02N2AV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	180	Nitrile	10	10	S307GF02N2AV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	180	Nitrile	10	10	S307GF02N2AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S307GF02V2AV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	230	Viton	10	10	S307GF02V2AC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	230	Viton	10	10	S307GF02V2AC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	230	Viton	10	10	S307GF02V2AV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	230	Viton	10	10	S307GF02V2AV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	230	Viton	10	10	S307GF02V2AV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	230	Viton	10	10	S307GF02V2AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S307GF02T2AV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	366*	Teflon	10	10	S307GF02T2AC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	366*	Teflon	10	10	S307GF02T2AC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	366*	Teflon	10	10	S307GF02T2AV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	366*	Teflon	10	10	S307GF02T2AV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	366*	Teflon	10	10	S307GF02T2AV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	366*	Teflon	10	10	S307GF02T2AW1

\* Class H Coil Recommended for High Temperature Applications

# S307 – 1/8" NPT, Stainless Steel Body, Normally Closed, Free Exhaust



## Part Numbering

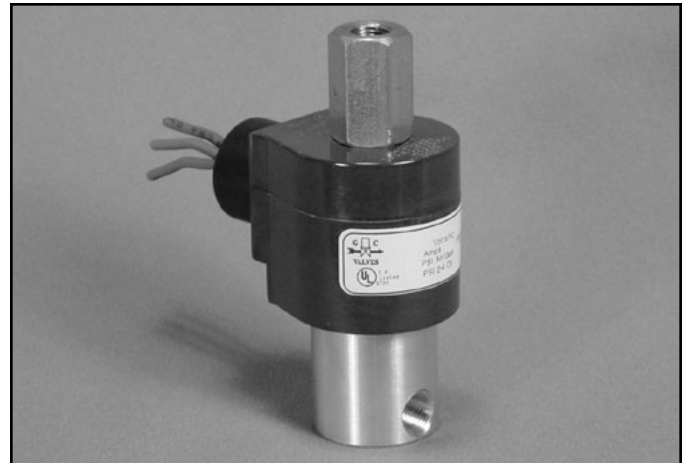
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			7: Normally Closed (Free Exhaust)	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	2: Stainless Steel	A: 1/8" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/8" NPT
- Brass Body
- 3-Way Direct Acting
- Diverting



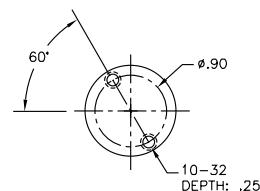
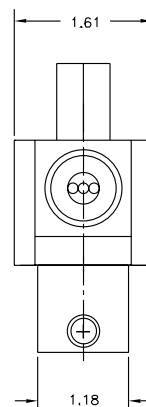
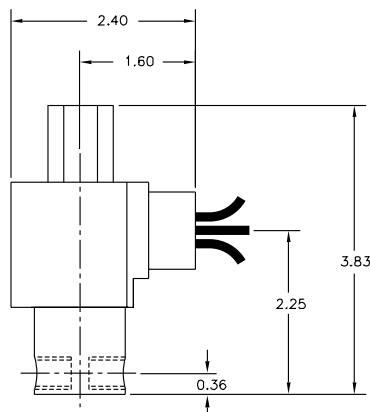
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

® Registered Trademark of DuPont Co.

## Dimensions/Weight

**Weight (lbs.)**  
1.0

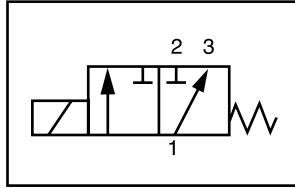




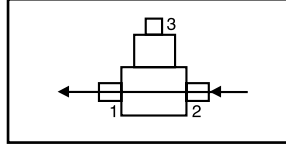
# S305 – 1/8" NPT, Brass Body, Diverting

## Valve Selection List

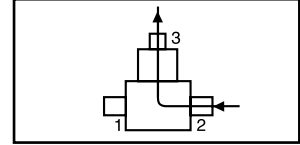
Diverting



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC			Brass Body		
1/8	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S305GF02C8AV1
	1/16	1/16	.08	.10	180	180	180	180	—	—	295	EPR	10	10	S305GF02C8AC5
	3/32	3/32	.18	.23	125	125	125	125	—	—	295	EPR	10	10	S305GF02C8AC9
	1/8	3/32	.30	.23	100	100	100	100	—	—	295	EPR	10	10	S305GF02C8AV3
	5/32	3/32	.41	.23	75	75	75	75	—	—	295	EPR	10	10	S305GF02C8AV7
	3/16	3/32	.53	.23	60	60	60	60	—	—	295	EPR	10	10	S305GF02C8AV9
	1/4	3/32	.83	.23	20	20	20	20	—	—	295	EPR	10	10	S305GF02C8AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S305GF02N8AV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	180	Nitrile	10	10	S305GF02N8AC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	180	Nitrile	10	10	S305GF02N8AC9
	1/8	3/32	.30	.23	100	100	100	100	100	100	180	Nitrile	10	10	S305GF02N8AV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	180	Nitrile	10	10	S305GF02N8AV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	180	Nitrile	10	10	S305GF02N8AV9
	1/4	3/32	.83	.23	20	20	20	20	20	20	180	Nitrile	10	10	S305GF02N8AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S305GF02V8AV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	230	Viton	10	10	S305GF02V8AC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	230	Viton	10	10	S305GF02V8AC9
	1/8	3/32	.30	.23	100	100	100	100	100	100	230	Viton	10	10	S305GF02V8AV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	230	Viton	10	10	S305GF02V8AV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	230	Viton	10	10	S305GF02V8AV9
	1/4	3/32	.83	.23	20	20	20	20	20	20	230	Viton	10	10	S305GF02V8AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S305GF02T8AV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	366*	Teflon	10	10	S305GF02T8AC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	366*	Teflon	10	10	S305GF02T8AC9
	1/8	3/32	.30	.23	100	100	100	100	100	100	366*	Teflon	10	10	S305GF02T8AV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	366*	Teflon	10	10	S305GF02T8AV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	366*	Teflon	10	10	S305GF02T8AV9
	1/4	3/32	.83	.23	20	20	20	20	20	20	366*	Teflon	10	10	S305GF02T8AW1

\* Class H Coil Recommended for High Temperature Applications

# S305 – 1/8" NPT, Brass Body, Diverting



## Part Numbering

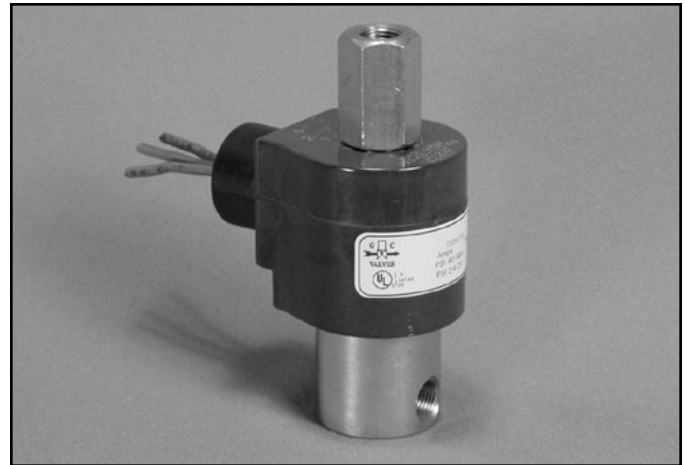
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			5: Diverting	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	A: 1/8" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/8" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Diverting



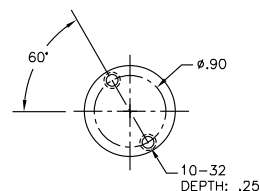
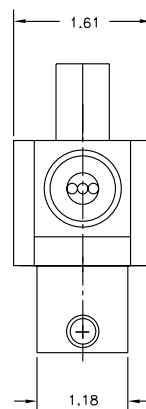
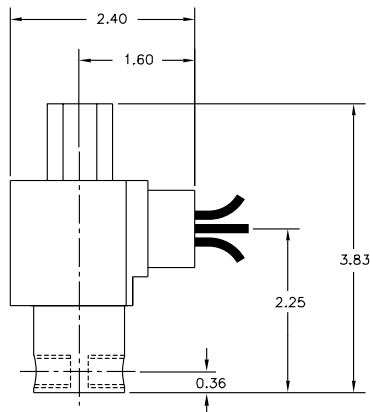
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

® Registered Trademark of DuPont Co.

## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0

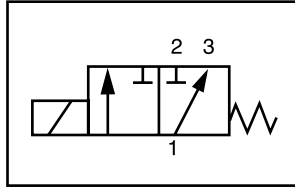




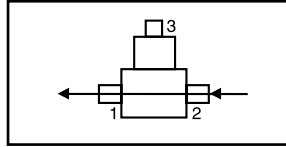
# S305 – 1/8" NPT, Stainless Steel Body, Diverting

## Valve Selection List

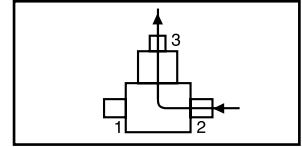
Diverting



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
	AC	DC	AC	DC	AC	DC									
1/8	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S305GF02C2AV1
	1/16	1/16	.08	.10	180	180	180	180	—	—	295	EPR	10	10	S305GF02C2AC5
	3/32	3/32	.18	.23	125	125	125	125	—	—	295	EPR	10	10	S305GF02C2AC9
	1/8	3/32	.30	.23	100	100	100	100	—	—	295	EPR	10	10	S305GF02C2AV3
	5/32	3/32	.41	.23	75	75	75	75	—	—	295	EPR	10	10	S305GF02C2AV7
	3/16	3/32	.53	.23	60	60	60	60	—	—	295	EPR	10	10	S305GF02C2AV9
	1/4	3/32	.83	.23	20	20	20	20	—	—	295	EPR	10	10	S305GF02C2AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S305GF02N2AV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	180	Nitrile	10	10	S305GF02N2AC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	180	Nitrile	10	10	S305GF02N2AC9
	1/8	3/32	.30	.23	100	100	100	100	100	100	180	Nitrile	10	10	S305GF02N2AV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	180	Nitrile	10	10	S305GF02N2AV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	180	Nitrile	10	10	S305GF02N2AV9
	1/4	3/32	.83	.23	20	20	20	20	20	20	180	Nitrile	10	10	S305GF02N2AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S305GF02V2AV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	230	Viton	10	10	S305GF02V2AC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	230	Viton	10	10	S305GF02V2AC9
	1/8	3/32	.30	.23	100	100	100	100	100	100	230	Viton	10	10	S305GF02V2AV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	230	Viton	10	10	S305GF02V2AV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	230	Viton	10	10	S305GF02V2AV9
	1/4	3/32	.83	.23	20	20	20	20	20	20	230	Viton	10	10	S305GF02V2AW1
1/8	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S305GF02T2AV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	366*	Teflon	10	10	S305GF02T2AC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	366*	Teflon	10	10	S305GF02T2AC9
	1/8	3/32	.30	.23	100	100	100	100	100	100	366*	Teflon	10	10	S305GF02T2AV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	366*	Teflon	10	10	S305GF02T2AV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	366*	Teflon	10	10	S305GF02T2AV9
	1/4	3/32	.83	.23	20	20	20	20	20	20	366*	Teflon	10	10	S305GF02T2AW1

\* Class H Coil Recommended for High Temperature Applications

# S305 – 1/8" NPT, Stainless Steel Body, Diverting



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>2</b>	<b>A</b>	<b>V</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			5: Diverting	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	2: Stainless Steel	A: 1/8" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

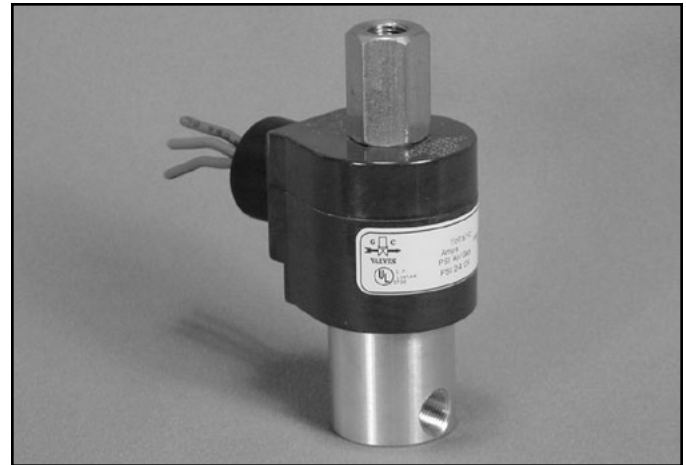
## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20



- 1/8" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Open



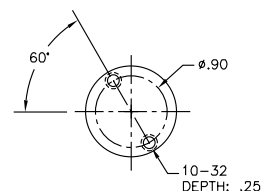
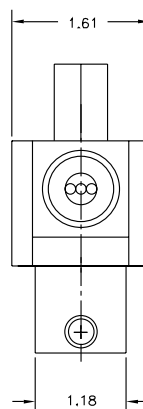
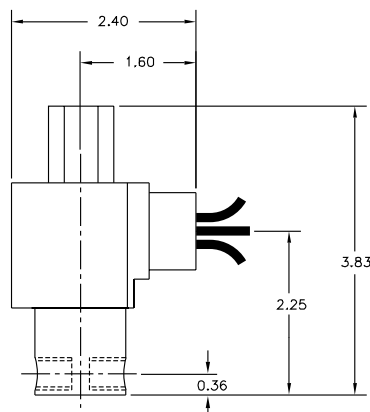
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

® Registered Trademark of DuPont Co.

## Dimensions/Weight

**Weight (lbs.)**  
1.0

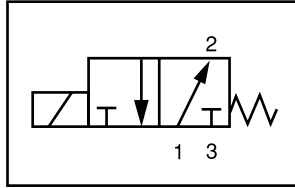




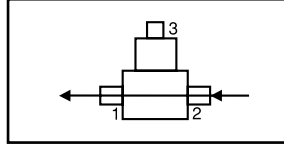
# S304- 1/8" NPT, Brass Body, Normally Open

## Valve Selection List

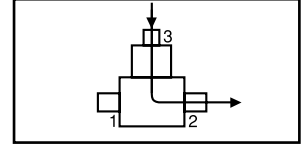
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Air/Gas		Water		Light Oil				AC	DC	
					AC	DC	AC	DC	AC	DC					
	Brass Body														
1/8	3/64	3/64	.05	.05	150	150	150	150	—	—	295	EPR	10	10	S304GF02C8AC3
	3/64	1/16	.05	.10	150	120	150	120	—	—	295	EPR	10	10	S304GF02C8AV1
	1/16	1/16	.08	.10	125	120	125	120	—	—	295	EPR	10	10	S304GF02C8AC5
	3/32	3/32	.18	.23	75	25	75	25	—	—	295	EPR	10	10	S304GF02C8AC9
	5/32	3/32	.41	.23	75	20	75	20	—	—	295	EPR	10	10	S304GF02C8AV7
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	180	Nitrile	10	10	S304GF02N8AC3
	3/64	1/16	.05	.10	150	120	150	120	150	120	180	Nitrile	10	10	S304GF02N8AV1
	1/16	1/16	.08	.10	125	120	125	120	125	120	180	Nitrile	10	10	S304GF02N8AC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	180	Nitrile	10	10	S304GF02N8AC9
	5/32	3/32	.41	.23	75	20	75	20	75	20	180	Nitrile	10	10	S304GF02N8AV7
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	230	Viton	10	10	S304GF02V8AC3
	3/64	1/16	.05	.10	150	120	150	120	150	120	230	Viton	10	10	S304GF02V8AV1
	1/16	1/16	.08	.10	125	120	125	120	125	120	230	Viton	10	10	S304GF02V8AC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	230	Viton	10	10	S304GF02V8AC9
	5/32	3/32	.41	.23	75	20	75	20	75	20	230	Viton	10	10	S304GF02V8AV7
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	366*	Teflon	10	10	S304GF02T8AC3
	3/64	1/16	.05	.10	150	120	150	120	150	120	366*	Teflon	10	10	S304GF02T8AV1
	1/16	1/16	.08	.10	125	120	125	120	125	120	366*	Teflon	10	10	S304GF02T8AC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	366*	Teflon	10	10	S304GF02T8AC9
	5/32	3/32	.41	.23	75	20	75	20	75	20	366*	Teflon	10	10	S304GF02T8AV7

\* Class H Coil Recommended for High Temperature Applications

# S304– 1/8" NPT, Brass Body, Normally Open



## Part Numbering

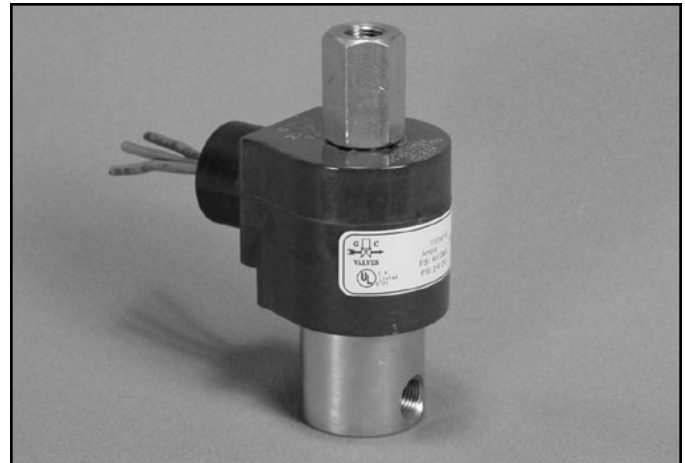
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>4</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>A</b>	<b>C</b>	<b>3</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			4: Normally Open	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	A: 1/8" NPT	C3: 3/64" x 3/64" V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/8" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Open



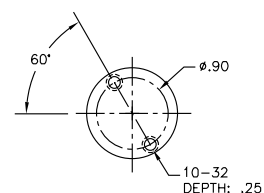
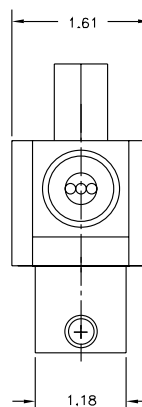
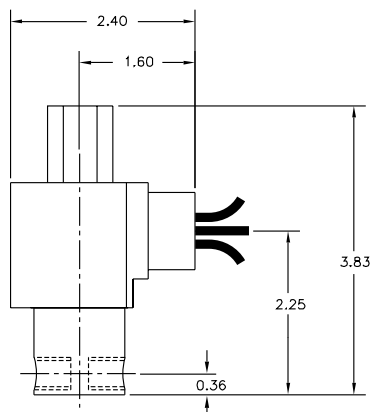
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

® Registered Trademark of DuPont Co.

## Dimensions/Weight

**Weight (lbs.)**  
1.0

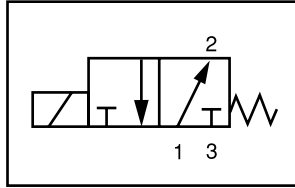




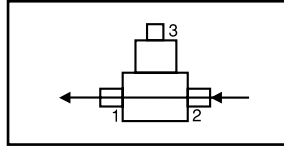
# S304 – 1/8" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

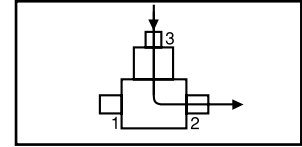
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum					AC			DC		
					Air/Gas		Water		Light Oil						
	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC					
1/8	3/64	3/64	.05	.05	150	150	150	150	—	—	295	EPR	10	10	S304GF02C2AC3
	3/64	1/16	.05	.10	150	120	150	120	—	—	295	EPR	10	10	S304GF02C2AV1
	1/16	1/16	.08	.10	125	120	125	120	—	—	295	EPR	10	10	S304GF02C2AC5
	3/32	3/32	.18	.23	75	25	75	25	—	—	295	EPR	10	10	S304GF02C2AC9
	5/32	3/32	.41	.23	75	20	75	20	—	—	295	EPR	10	10	S304GF02C2AV7
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	180	Nitrile	10	10	S304GF02N2AC3
	3/64	1/16	.05	.10	150	120	150	120	150	120	180	Nitrile	10	10	S304GF02N2AV1
	1/16	1/16	.08	.10	125	120	125	120	125	120	180	Nitrile	10	10	S304GF02N2AC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	180	Nitrile	10	10	S304GF02N2AC9
	5/32	3/32	.41	.23	20	75	20	20	75	20	180	Nitrile	10	10	S304GF02N2AV7
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	230	Viton	10	10	S304GF02V2AC3
	3/64	1/16	.05	.10	150	120	150	120	150	120	230	Viton	10	10	S304GF02V2AV1
	1/16	1/16	.08	.10	125	120	125	120	125	120	230	Viton	10	10	S304GF02V2AC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	230	Viton	10	10	S304GF02V2AC9
	5/32	3/32	.41	.23	75	20	75	20	75	20	230	Viton	10	10	S304GF02V2AV7
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	366*	Teflon	10	10	S304GF02T2AC3
	3/64	1/16	.05	.10	150	120	150	120	150	120	366*	Teflon	10	10	S304GF02T2AV1
	1/16	1/16	.08	.10	125	120	125	120	125	120	366*	Teflon	10	10	S304GF02T2AC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	366*	Teflon	10	10	S304GF02T2AC9
	5/32	3/32	.41	.23	75	20	75	20	75	20	366*	Teflon	10	10	S304GF02T2AV7

\* Class H Coil Recommended for High Temperature Applications

# S304 – 1/8" NPT, Stainless Steel Body, Normally Open



## Part Numbering

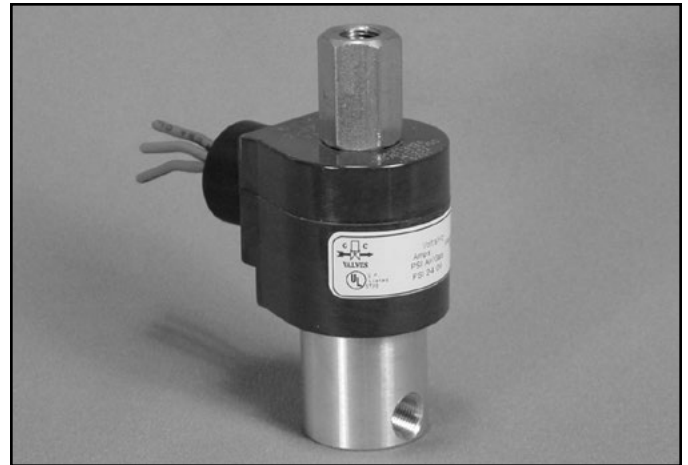
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			4: Normally Open	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	2: Stainless Steel	A: 1/8" NPT	C3: 3/64" x 3/64" V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/8" NPT
- Brass Body
- 3-Way Direct Acting
- Universal



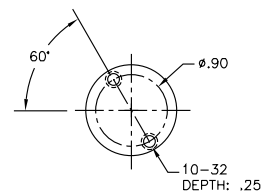
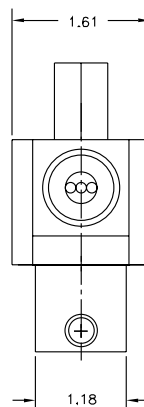
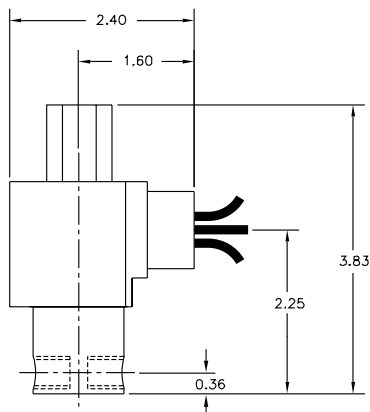
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0

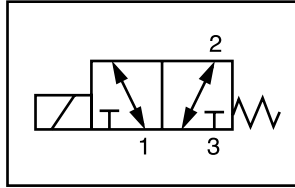




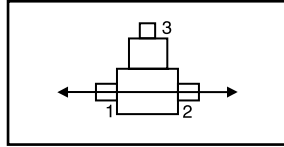
# S306 – 1/8" NPT, Brass Body, Universal

## Valve Selection List

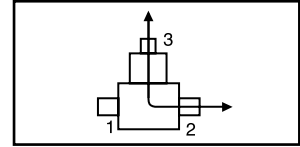
Universal



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/8	3/64	1/16	.05	.10	150	120	150	120	—	—	295	EPR	10	10	S306GF02C8AV1
	1/16	1/16	.08	.10	120	100	120	100	—	—	295	EPR	10	10	S306GF02C8AC5
	3/32	3/32	.18	.23	75	25	75	25	—	—	295	EPR	10	10	S306GF02C8AC9
	1/8	3/32	.30	.23	75	20	75	20	—	—	295	EPR	10	10	S306GF02C8AV3
	5/32	3/32	.41	.23	60	20	60	20	—	—	295	EPR	10	10	S306GF02C8AV7
	3/16	3/32	.53	.23	30	20	30	20	—	—	295	EPR	10	10	S306GF02C8AV9
1/8	3/64	1/16	.05	.10	150	120	150	120	150	120	180	Nitrile	10	10	S306GF02N8AV1
	1/16	1/16	.08	.10	120	100	120	100	120	100	180	Nitrile	10	10	S306GF02N8AC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	180	Nitrile	10	10	S306GF02N8AC9
	1/8	3/32	.30	.23	75	20	75	20	75	20	180	Nitrile	10	10	S306GF02N8AV3
	5/32	3/32	.41	.23	60	20	60	20	60	20	180	Nitrile	10	10	S306GF02N8AV7
	3/16	3/32	.53	.23	30	20	30	20	30	20	180	Nitrile	10	10	S306GF02N8AV9
1/8	3/64	1/16	.05	.10	150	120	150	120	150	120	230	Viton	10	10	S306GF02V8AV1
	1/16	1/16	.08	.10	120	100	120	100	120	100	230	Viton	10	10	S306GF02V8AC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	230	Viton	10	10	S306GF02V8AC9
	1/8	3/32	.30	.23	75	20	75	20	75	20	230	Viton	10	10	S306GF02V8AV3
	5/32	3/32	.41	.23	60	20	60	20	60	20	230	Viton	10	10	S306GF02V8AV7
	3/16	3/32	.53	.23	30	20	30	20	30	20	230	Viton	10	10	S306GF02V8AV9
1/8	3/64	1/16	.05	.10	200	200	200	200	200	200	366*	Teflon	10	10	S306GF02T8AV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	366*	Teflon	10	10	S306GF02T8AC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	366*	Teflon	10	10	S306GF02T8AC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	366*	Teflon	10	10	S306GF02T8AV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	366*	Teflon	10	10	S306GF02T8AV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	366*	Teflon	10	10	S306GF02T8AV9

\* Class H Coil Recommended for High Temperature Applications



# S306 – 1/8" NPT, Brass Body, Universal



## Part Numbering

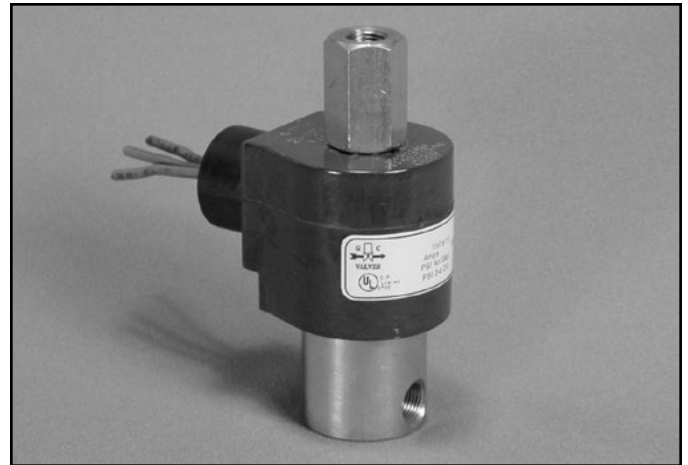
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			6: Universal	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	A: 1/8" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/8" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Universal



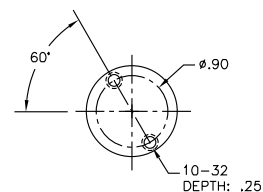
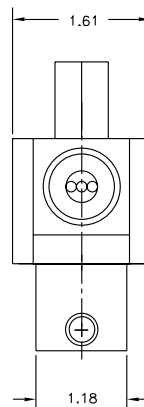
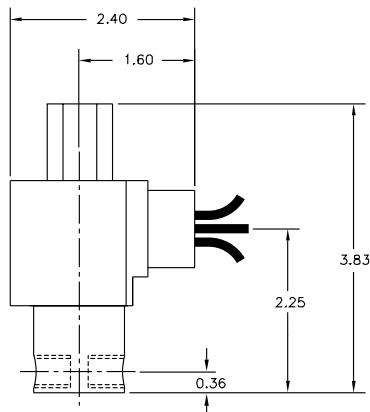
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0

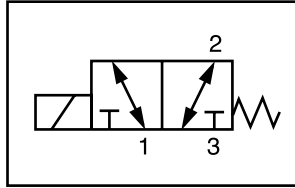




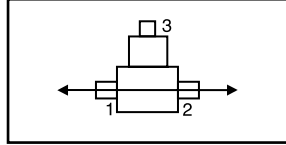
# S306 – 1/8" NPT, Stainless Steel Body, Universal

## Valve Selection List

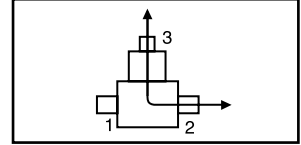
Universal



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/8	3/64	1/16	.05	.08	150	120	150	120	—	—	295	EPR	10	10	S306GF02C2AV1
	1/16	1/16	.08	.08	120	100	120	100	—	—	295	EPR	10	10	S306GF02C2AC5
	3/32	3/32	.18	.23	75	25	75	25	—	—	295	EPR	10	10	S306GF02C2AC9
	1/8	3/32	.30	.23	75	20	75	20	—	—	295	EPR	10	10	S306GF02C2AV3
	5/32	3/32	.41	.23	60	20	60	20	—	—	295	EPR	10	10	S306GF02C2AV7
	3/16	3/32	.53	.23	30	20	30	20	—	—	295	EPR	10	10	S306GF02C2AV9
1/8	3/64	1/16	.05	.08	150	120	150	120	150	120	180	Nitrile	10	10	S306GF02N2AV1
	1/16	1/16	.08	.08	120	100	120	100	120	100	180	Nitrile	10	10	S306GF02N2AC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	180	Nitrile	10	10	S306GF02N2AC9
	1/8	3/32	.30	.23	75	20	75	20	75	20	180	Nitrile	10	10	S306GF02N2AV3
	5/32	3/32	.41	.23	60	20	60	20	60	20	180	Nitrile	10	10	S306GF02N2AV7
	3/16	3/32	.53	.23	30	20	30	20	30	20	180	Nitrile	10	10	S306GF02N2AV9
1/8	3/64	1/16	.05	.08	150	120	150	120	150	120	230	Viton	10	10	S306GF02V2AV1
	1/16	1/16	.08	.08	120	100	120	100	120	100	230	Viton	10	10	S306GF02V2AC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	230	Viton	10	10	S306GF02V2AC9
	1/8	3/32	.30	.23	75	20	75	20	75	20	230	Viton	10	10	S306GF02V2AV3
	5/32	3/32	.41	.23	60	20	60	20	60	20	230	Viton	10	10	S306GF02V2AV7
	3/16	3/32	.53	.23	30	20	30	20	30	20	230	Viton	10	10	S306GF02V2AV9
1/8	3/64	1/16	.05	.08	150	120	150	120	150	120	366*	Teflon	10	10	S306GF02T2AV1
	1/16	1/16	.08	.08	120	100	120	100	120	100	366*	Teflon	10	10	S306GF02T2AC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	366*	Teflon	10	10	S306GF02T2AC9

\* Class H Coil Recommended for High Temperature Applications

# S306 – 1/8" NPT, Stainless Steel Body, Universal



## Part Numbering

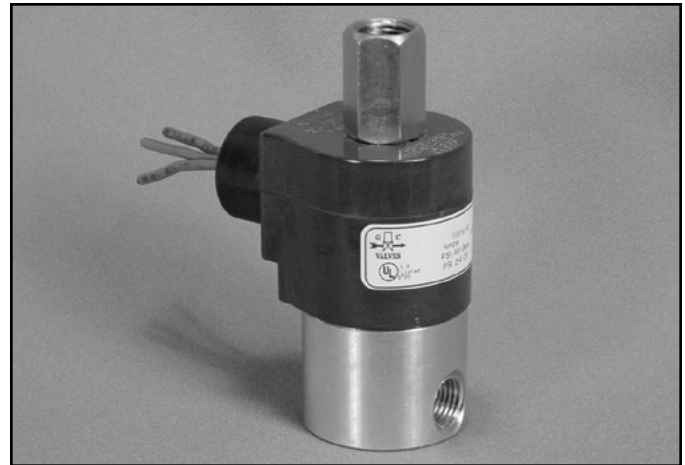
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			6: Universal	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	2: Stainless Steel	A: 1/8" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/4" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Closed



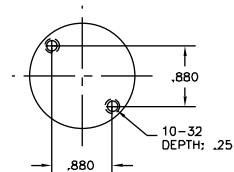
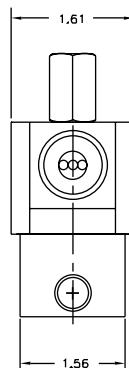
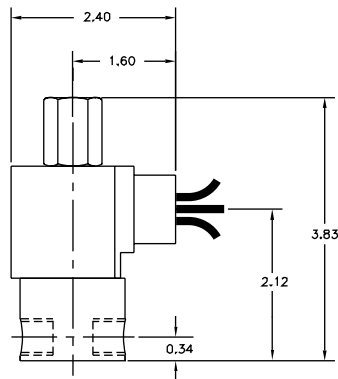
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**  
1.2

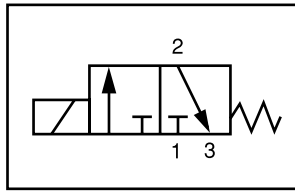




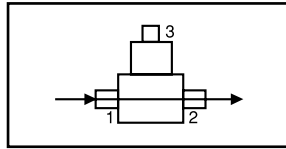
# S303 – 1/4" NPT, Brass Body, Normally Closed

## Valve Selection List

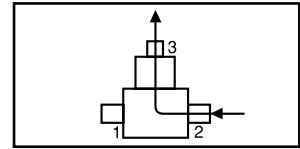
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/4	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S303GF02C8BV1
	1/16	1/16	.08	.10	150	150	150	150	—	—	295	EPR	10	10	S303GF02C8BC5
	3/32	3/32	.18	.23	100	100	100	100	—	—	295	EPR	10	10	S303GF02C8BC9
	1/8	3/32	.30	.23	75	75	75	75	—	—	295	EPR	10	10	S303GF02C8BV3
	5/32	3/32	.41	.23	50	50	50	50	—	—	295	EPR	10	10	S303GF02C8BV7
	3/16	3/32	.53	.23	30	30	30	30	—	—	295	EPR	10	10	S303GF02C8BV9
	1/4	3/32	.83	.23	15	15	15	15	—	—	295	EPR	10	10	S303GF02C8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S303GF02N8BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	180	Nitrile	10	10	S303GF02N8BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	180	Nitrile	10	10	S303GF02N8BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	180	Nitrile	10	10	S303GF02N8BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	180	Nitrile	10	10	S303GF02N8BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	180	Nitrile	10	10	S303GF02N8BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	180	Nitrile	10	10	S303GF02N8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S303GF02V8BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	230	Viton	10	10	S303GF02V8BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	230	Viton	10	10	S303GF02V8BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	230	Viton	10	10	S303GF02V8BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	230	Viton	10	10	S303GF02V8BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	230	Viton	10	10	S303GF02V8BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	230	Viton	10	10	S303GF02V8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S303GF02T8BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	366*	Teflon	10	10	S303GF02T8BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	366*	Teflon	10	10	S303GF02T8BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	366*	Teflon	10	10	S303GF02T8BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	366*	Teflon	10	10	S303GF02T8BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	366*	Teflon	10	10	S303GF02T8BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	366*	Teflon	10	10	S303GF02T8BW1

\* Class H Coil Recommended for High Temperature Applications

# S303 – 1/4" NPT, Brass Body, Normally Closed



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>B</b>	<b>V</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20



- 1/4" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Closed
- Free Exhaust



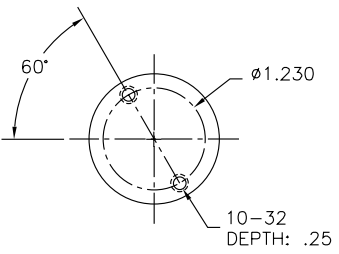
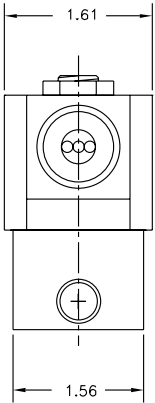
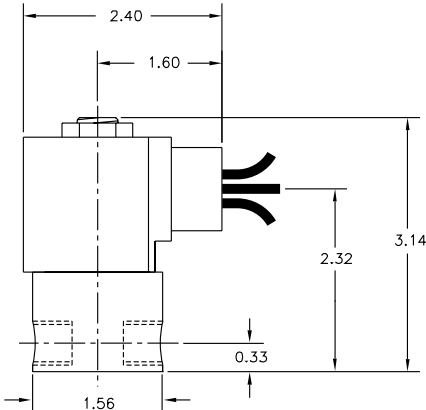
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**  
1.2



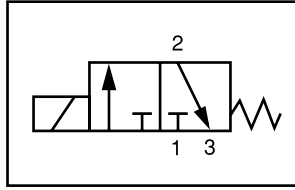




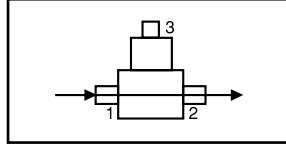
# S307 – 1/4" NPT, Brass Body, Normally Closed, Free Exhaust

## Valve Selection List

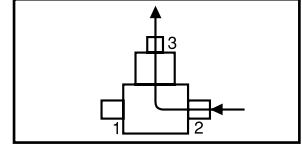
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/4	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S307GF02C8BV1
	1/16	1/16	.08	.10	150	150	150	150	—	—	295	EPR	10	10	S307GF02C8BC5
	3/32	3/32	.18	.23	100	100	100	100	—	—	295	EPR	10	10	S307GF02C8BC9
	1/8	3/32	.30	.23	75	75	75	75	—	—	295	EPR	10	10	S307GF02C8BV3
	5/32	3/32	.41	.23	50	50	50	50	—	—	295	EPR	10	10	S307GF02C8BV7
	3/16	3/32	.53	.23	30	30	30	30	—	—	295	EPR	10	10	S307GF02C8BV9
	1/4	3/32	.83	.23	15	15	15	15	—	—	295	EPR	10	10	S307GF02C8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S307GF02N8BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	180	Nitrile	10	10	S307GF02N8BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	180	Nitrile	10	10	S307GF02N8BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	180	Nitrile	10	10	S307GF02N8BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	180	Nitrile	10	10	S307GF02N8BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	180	Nitrile	10	10	S307GF02N8BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	180	Nitrile	10	10	S307GF02N8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S307GF02V8BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	230	Viton	10	10	S307GF02V8BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	230	Viton	10	10	S307GF02V8BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	230	Viton	10	10	S307GF02V8BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	230	Viton	10	10	S307GF02V8BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	230	Viton	10	10	S307GF02V8BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	230	Viton	10	10	S307GF02V8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S307GF02T8BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	366*	Teflon	10	10	S307GF02T8BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	366*	Teflon	10	10	S307GF02T8BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	366*	Teflon	10	10	S307GF02T8BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	366*	Teflon	10	10	S307GF02T8BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	366*	Teflon	10	10	S307GF02T8BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	366*	Teflon	10	10	S307GF02T8BW1

\* Class H Coil Recommended for High Temperature Applications

# S307 – 1/4" NPT, Brass Body, Normally Closed, Free Exhaust



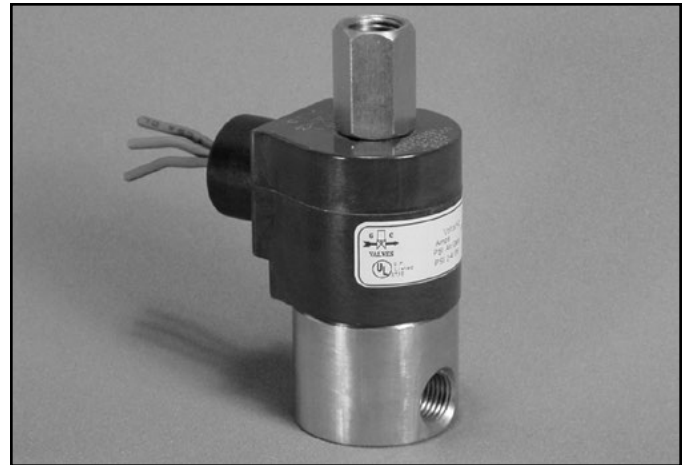
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>7</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>B</b>	<b>V</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			7: Normally Closed (Free Exhaust)	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Closed



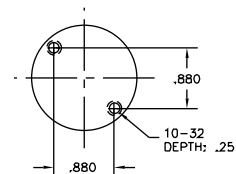
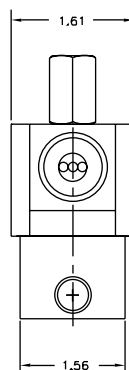
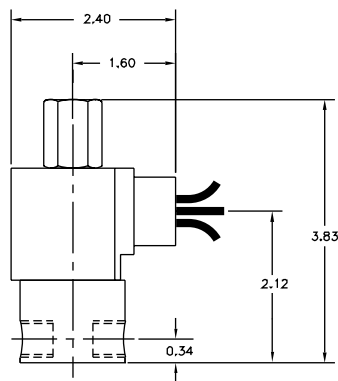
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**  
1.2

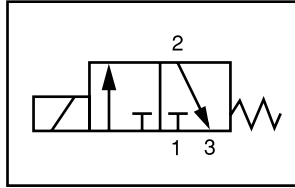




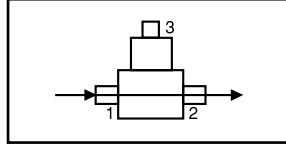
# S303 – 1/4" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

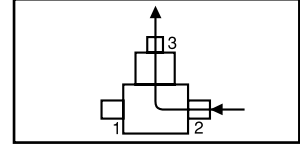
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/4	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S303GF02C3BV1
	1/16	1/16	.08	.10	150	150	150	150	—	—	295	EPR	10	10	S303GF02C3BC5
	3/32	3/32	.18	.23	100	100	100	100	—	—	295	EPR	10	10	S303GF02C3BC9
	1/8	3/32	.30	.23	75	75	75	75	—	—	295	EPR	10	10	S303GF02C3BV3
	5/32	3/32	.41	.23	50	50	50	50	—	—	295	EPR	10	10	S303GF02C3BV7
	3/16	3/32	.53	.23	30	30	30	30	—	—	295	EPR	10	10	S303GF02C3BV9
	1/4	3/32	.83	.23	15	15	15	15	—	—	295	EPR	10	10	S303GF02C3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S303GF02N3BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	180	Nitrile	10	10	S303GF02N3BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	180	Nitrile	10	10	S303GF02N3BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	180	Nitrile	10	10	S303GF02N3BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	180	Nitrile	10	10	S303GF02N3BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	180	Nitrile	10	10	S303GF02N3BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	180	Nitrile	10	10	S303GF02N3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S303GF02V3BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	230	Viton	10	10	S303GF02V3BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	230	Viton	10	10	S303GF02V3BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	230	Viton	10	10	S303GF02V3BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	230	Viton	10	10	S303GF02V3BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	230	Viton	10	10	S303GF02V3BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	230	Viton	10	10	S303GF02V3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S303GF02T3BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	366*	Teflon	10	10	S303GF02T3BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	366*	Teflon	10	10	S303GF02T3BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	366*	Teflon	10	10	S303GF02T3BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	366*	Teflon	10	10	S303GF02T3BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	366*	Teflon	10	10	S303GF02T3BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	366*	Teflon	10	10	S303GF02T3BW1

\* Class H Coil Recommended for High Temperature Applications

# S303 – 1/4" NPT, Stainless Steel Body, Normally Closed



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>V</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	3: Stainless Steel	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Closed
- Free Exhaust



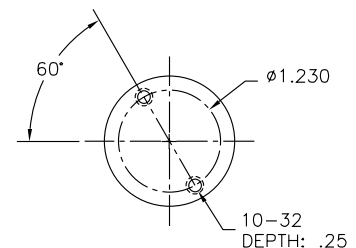
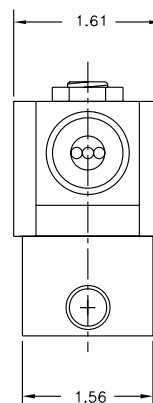
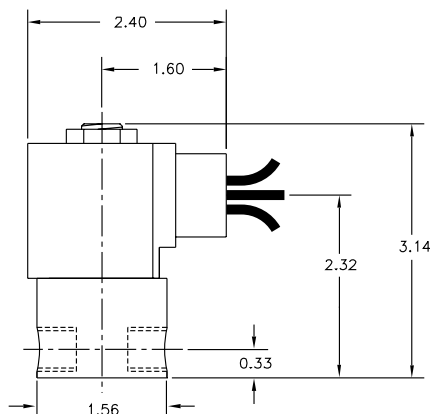
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**  
1.2

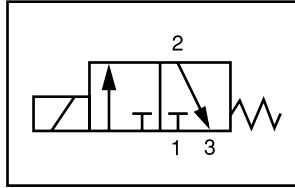




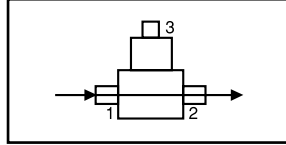
# S307 – 1/4" NPT, Stainless Steel Body, Normally Closed, Free Exhaust

## Valve Selection List

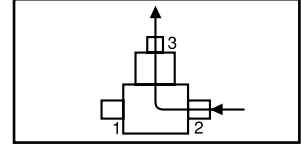
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/4	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S307GF02C3BV1
	1/16	1/16	.08	.10	150	150	150	150	—	—	295	EPR	10	10	S307GF02C3BC5
	3/32	3/32	.18	.23	100	100	100	100	—	—	295	EPR	10	10	S307GF02C3BC9
	1/8	3/32	.30	.23	75	75	75	75	—	—	295	EPR	10	10	S307GF02C3BV3
	5/32	3/32	.41	.23	50	50	50	50	—	—	295	EPR	10	10	S307GF02C3BV7
	3/16	3/32	.53	.23	30	30	30	30	—	—	295	EPR	10	10	S307GF02C3BV9
	1/4	3/32	.83	.23	15	15	15	15	—	—	295	EPR	10	10	S307GF02C3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S307GF02N3BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	180	Nitrile	10	10	S307GF02N3BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	180	Nitrile	10	10	S307GF02N3BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	180	Nitrile	10	10	S307GF02N3BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	180	Nitrile	10	10	S307GF02N3BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	180	Nitrile	10	10	S307GF02N3BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	180	Nitrile	10	10	S307GF02N3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S307GF02V3BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	230	Viton	10	10	S307GF02V3BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	230	Viton	10	10	S307GF02V3BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	230	Viton	10	10	S307GF02V3BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	230	Viton	10	10	S307GF02V3BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	230	Viton	10	10	S307GF02V3BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	230	Viton	10	10	S307GF02V3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S307GF02T3BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	366*	Teflon	10	10	S307GF02T3BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	366*	Teflon	10	10	S307GF02T3BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	366*	Teflon	10	10	S307GF02T3BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	366*	Teflon	10	10	S307GF02T3BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	366*	Teflon	10	10	S307GF02T3BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	366*	Teflon	10	10	S307GF02T3BW1

\* Class H Coil Recommended for High Temperature Applications

# S307 – 1/4" NPT, Stainless Steel Body, Normally Closed, Free Exhaust



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>7</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>v</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			7: Normally Closed (Free Exhaust)	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	3: Stainless Steel	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

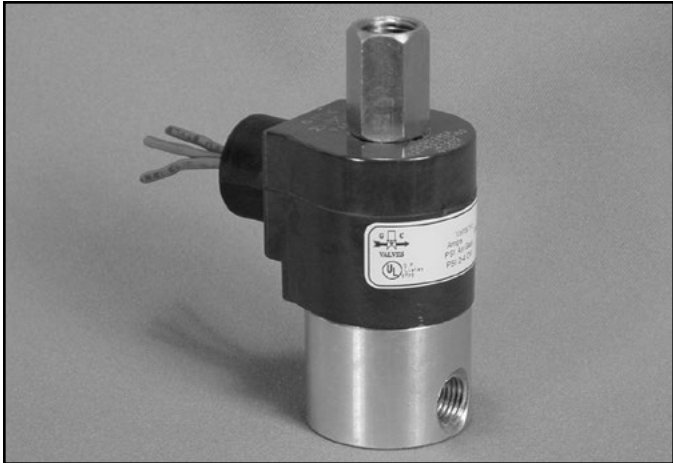
Coil Family	
Type	Size
All	4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20





- 1/4" NPT
- Brass Body
- 3-Way Direct Acting
- Diverting



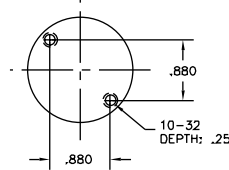
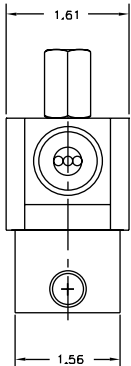
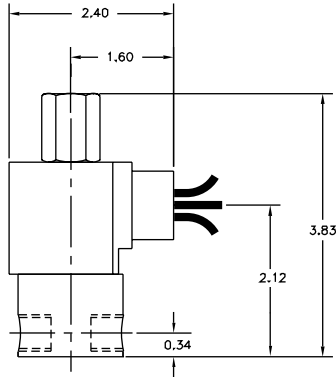
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**  
1.2

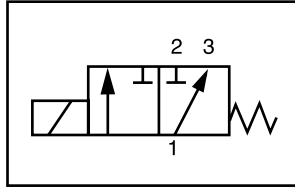




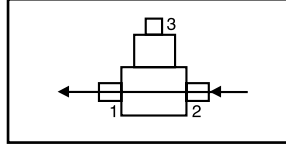
# S305 – 1/4" NPT, Brass Body, Diverting

## Valve Selection List

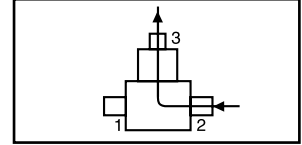
Diverting



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )  Brass Body
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
	AC	DC	AC	DC	AC	DC									
1/4	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S305GF02C8BV1
	1/16	1/16	.08	.10	180	180	180	180	—	—	295	EPR	10	10	S305GF02C8BC5
	3/32	3/32	.18	.23	125	125	125	125	—	—	295	EPR	10	10	S305GF02C8BC9
	1/8	3/32	.30	.23	100	100	100	100	—	—	295	EPR	10	10	S305GF02C8BV3
	5/32	3/32	.41	.23	75	75	75	75	—	—	295	EPR	10	10	S305GF02C8BV7
	3/16	3/32	.53	.23	60	60	60	60	—	—	295	EPR	10	10	S305GF02C8BV9
	1/4	3/32	.83	.23	20	20	20	20	—	—	295	EPR	10	10	S305GF02C8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S305GF02N8BV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	180	Nitrile	10	10	S305GF02N8BC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	180	Nitrile	10	10	S305GF02N8BC9
	1/8	3/32	.30	.23	100	100	100	100	100	100	180	Nitrile	10	10	S305GF02N8BV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	180	Nitrile	10	10	S305GF02N8BV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	180	Nitrile	10	10	S305GF02N8BV9
	1/4	3/32	.83	.23	20	20	20	20	20	20	180	Nitrile	10	10	S305GF02N8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S305GF02V8BV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	230	Viton	10	10	S305GF02V8BC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	230	Viton	10	10	S305GF02V8BC9
	1/8	3/32	.30	.23	100	100	100	100	100	100	230	Viton	10	10	S305GF02V8BV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	230	Viton	10	10	S305GF02V8BV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	230	Viton	10	10	S305GF02V8BV9
	1/4	3/32	.83	.23	20	20	20	20	20	20	230	Viton	10	10	S305GF02V8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S305GF02T8BV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	366*	Teflon	10	10	S305GF02T8BC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	366*	Teflon	10	10	S305GF02T8BC9
	1/8	3/32	.30	.23	100	100	100	100	100	100	366*	Teflon	10	10	S305GF02T8BV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	366*	Teflon	10	10	S305GF02T8BV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	366*	Teflon	10	10	S305GF02T8BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	366*	Teflon	10	10	S305GF02T8BW1

\* Class H Coil Recommended for High Temperature Applications

# S305 – 1/4" NPT, Brass Body, Diverting



## Part Numbering

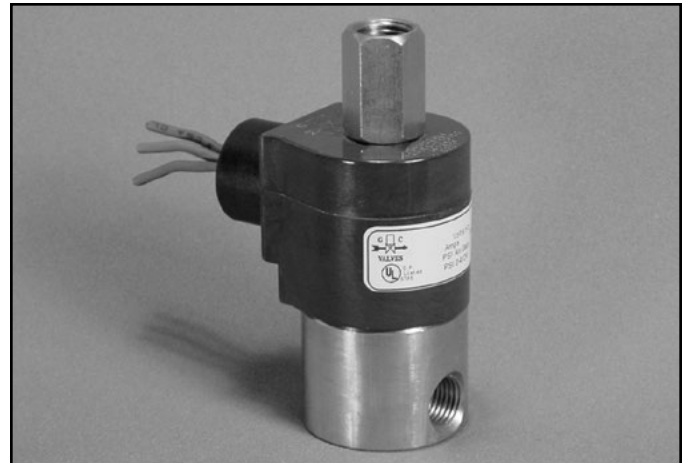
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>B</b>	<b>V</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			5: Diverting	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Diverting



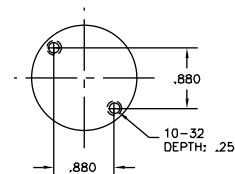
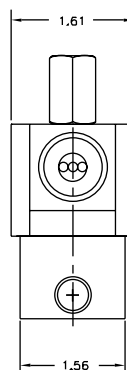
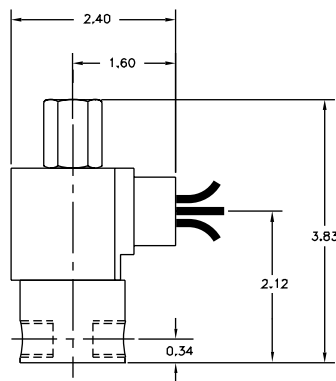
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.2

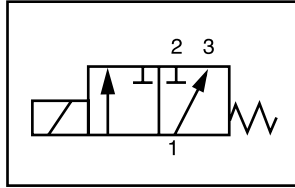




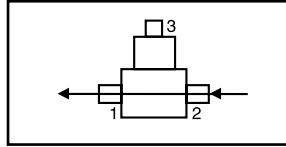
# S305 – 1/4" NPT, Stainless Steel Body, Diverting

## Valve Selection List

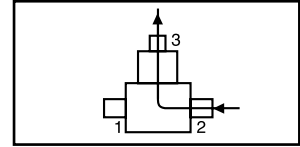
Diverting



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
	AC	DC	AC	DC	AC	DC									
1/4	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S305GF02C3BV1
	1/16	1/16	.08	.10	180	180	180	180	—	—	295	EPR	10	10	S305GF02C3BC5
	3/32	3/32	.18	.23	125	125	125	125	—	—	295	EPR	10	10	S305GF02C3BC9
	1/8	3/32	.30	.23	100	100	100	100	—	—	295	EPR	10	10	S305GF02C3BV3
	5/32	3/32	.41	.23	75	75	75	75	—	—	295	EPR	10	10	S305GF02C3BV7
	3/16	3/32	.53	.23	60	60	60	60	—	—	295	EPR	10	10	S305GF02C3BV9
	1/4	3/32	.83	.23	20	20	20	20	—	—	295	EPR	10	10	S305GF02C3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S305GF02N3BV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	180	Nitrile	10	10	S305GF02N3BC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	180	Nitrile	10	10	S305GF02N3BC9
	1/8	3/32	.30	.23	100	100	100	100	100	100	180	Nitrile	10	10	S305GF02N3BV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	180	Nitrile	10	10	S305GF02N3BV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	180	Nitrile	10	10	S305GF02N3BV9
	1/4	3/32	.83	.23	20	20	20	20	20	20	180	Nitrile	10	10	S305GF02N3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S305GF02V3BV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	230	Viton	10	10	S305GF02V3BC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	230	Viton	10	10	S305GF02V3BC9
	1/8	3/32	.30	.23	100	100	100	100	100	100	230	Viton	10	10	S305GF02V3BV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	230	Viton	10	10	S305GF02V3BV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	230	Viton	10	10	S305GF02V3BV9
	1/4	3/32	.83	.23	20	20	20	20	20	20	230	Viton	10	10	S305GF02V3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S305GF02T3BV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	366*	Teflon	10	10	S305GF02T3BC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	366*	Teflon	10	10	S305GF02T3BC9
	1/8	3/32	.30	.23	100	100	100	100	100	100	366*	Teflon	10	10	S305GF02T3BV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	366*	Teflon	10	10	S305GF02T3BV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	366*	Teflon	10	10	S305GF02T3BV9
	1/4	3/32	.83	.23	20	20	20	20	20	20	366*	Teflon	10	10	S305GF02T3BW1

\* Class H Coil Recommended for High Temperature Applications

# S305 – 1/4" NPT, Stainless Steel Body, Diverting



## Part Numbering

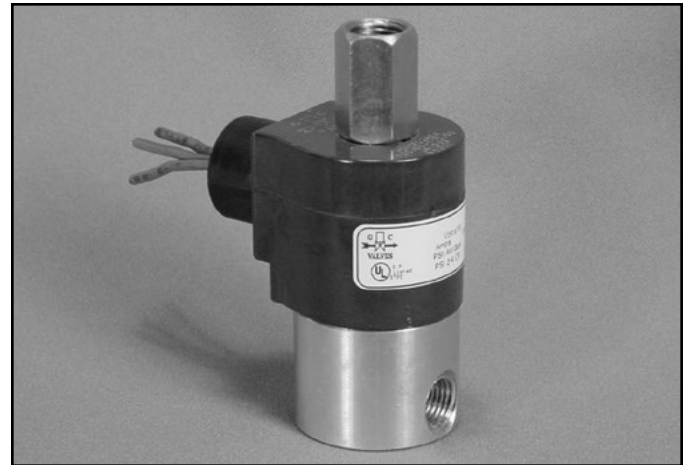
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<b>S</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>V</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			5: Diverting	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	3: Stainless Steel	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/4" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Open



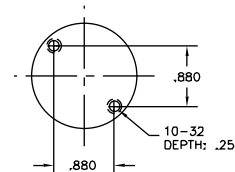
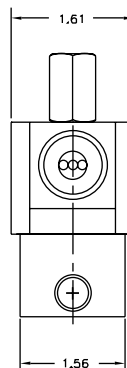
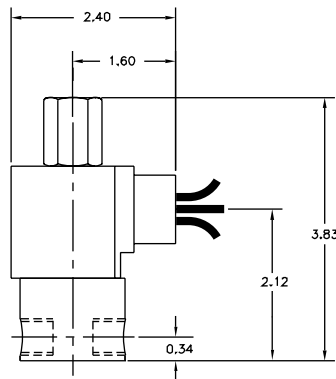
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Brass
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**  
1.2

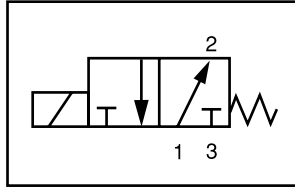




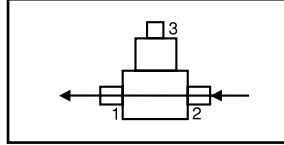
# S304 – 1/4" NPT, Brass Body, Normally Open

## Valve Selection List

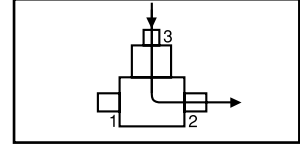
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/4	3/64	3/64	.05	.05	150	150	150	150	—	—	295	EPR	10	10	S304GF02C8AC3
	3/64	1/16	.05	.10	150	120	150	120	—	—	295	EPR	10	10	S304GF02C8BV1
	1/16	1/16	.08	.10	125	120	125	120	—	—	295	EPR	10	10	S304GF02C8BC5
	3/32	3/32	.18	.23	75	25	75	25	—	—	295	EPR	10	10	S304GF02C8BC9
	5/32	3/32	.41	.23	75	20	75	20	—	—	295	EPR	10	10	S304GF02C8BV7
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	180	Nitrile	10	10	S304GF02N8AC3
	3/64	1/16	.05	.10	150	120	150	120	150	120	180	Nitrile	10	10	S304GF02N8BV1
	1/16	1/16	.08	.10	125	120	125	120	125	120	180	Nitrile	10	10	S304GF02N8BC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	180	Nitrile	10	10	S304GF02N8BC9
	5/32	3/32	.41	.23	75	20	75	20	75	20	180	Nitrile	10	10	S304GF02N8BV7
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	230	Viton	10	10	S304GF02V8AC3
	3/64	1/16	.05	.10	150	120	150	120	150	120	230	Viton	10	10	S304GF02V8BV1
	1/16	1/16	.08	.10	125	120	125	120	125	120	230	Viton	10	10	S304GF02V8BC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	230	Viton	10	10	S304GF02V8BC9
	5/32	3/32	.41	.23	75	20	75	20	75	20	230	Viton	10	10	S304GF02V8BV7
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	366*	Teflon	10	10	S304GF02T8AC3
	3/64	1/16	.05	.10	150	120	150	120	150	120	366*	Teflon	10	10	S304GF02T8BV1
	1/16	1/16	.08	.10	125	120	125	120	125	120	366*	Teflon	10	10	S304GF02T8BC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	366*	Teflon	10	10	S304GF02T8BC9
	5/32	3/32	.41	.23	75	20	75	20	75	20	366*	Teflon	10	10	S304GF02T8BV7

\* Class H Coil Recommended for High Temperature Applications



# S304 – 1/4" NPT, Brass Body, Normally Open



## Part Numbering

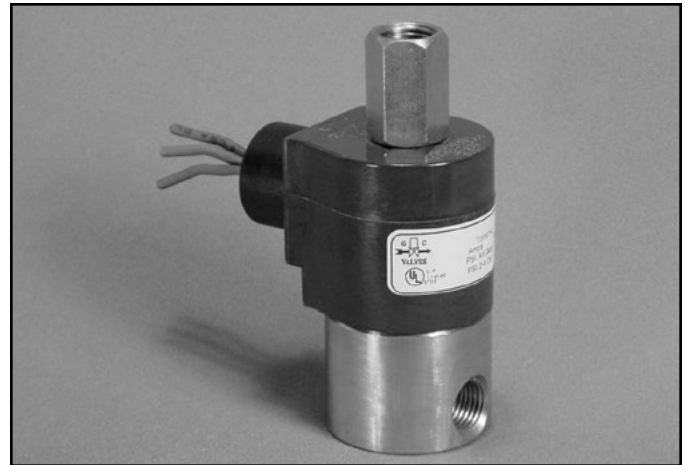
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			4: Normally Open	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	C3: 3/64" x 3/64" V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Open



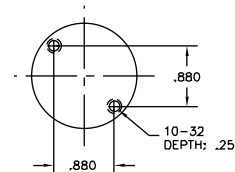
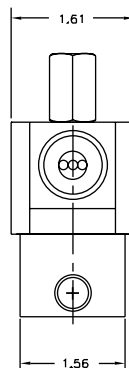
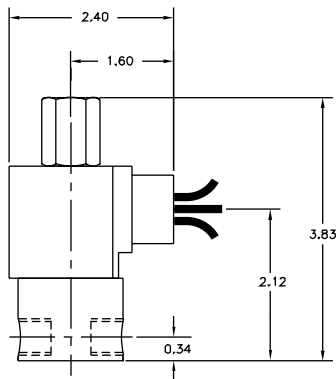
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**  
1.2

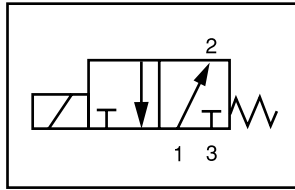




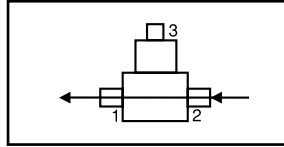
# S304 – 1/4" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

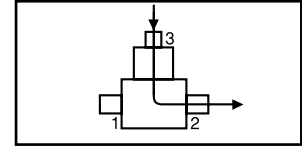
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC					
1/4	3/64	3/64	.05	.05	150	150	150	150	—	—	295	EPR	10	10	S304GF02C3BC3
	3/64	1/16	.05	.10	150	120	150	120	—	—	295	EPR	10	10	S304GF02C3BV1
	1/16	1/16	.08	.10	125	120	125	120	—	—	295	EPR	10	10	S304GF02C3BC5
	3/32	3/32	.18	.23	75	25	75	25	—	—	295	EPR	10	10	S304GF02C3BC9
	5/32	3/32	.41	.23	75	20	75	20	—	—	295	EPR	10	10	S304GF02C3BV7
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	180	Nitrile	10	10	S304GF02N3BC3
	3/64	1/16	.05	.10	150	120	150	120	150	120	180	Nitrile	10	10	S304GF02N3BV1
	1/16	1/16	.08	.10	125	120	125	120	125	120	180	Nitrile	10	10	S304GF02N3BC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	180	Nitrile	10	10	S304GF02N3BC9
	5/32	3/32	.41	.23	20	75	20	20	75	20	180	Nitrile	10	10	S304GF02N3BV7
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	230	Viton	10	10	S304GF02V3BC3
	3/64	1/16	.05	.10	150	120	150	120	150	120	230	Viton	10	10	S304GF02V3BV1
	1/16	1/16	.08	.10	125	120	125	120	125	120	230	Viton	10	10	S304GF02V3BC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	230	Viton	10	10	S304GF02V3BC9
	5/32	3/32	.41	.23	75	20	75	20	75	20	230	Viton	10	10	S304GF02V3BV7
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	366*	Teflon	10	10	S304GF02T3BC3
	3/64	1/16	.05	.10	150	120	150	120	150	120	366*	Teflon	10	10	S304GF02T3BV1
	1/16	1/16	.08	.10	125	120	125	120	125	120	366*	Teflon	10	10	S304GF02T3BC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	366*	Teflon	10	10	S304GF02T3BC9
	5/32	3/32	.41	.23	75	20	75	20	75	20	366*	Teflon	10	10	S304GF02T3BV7

\* Class H Coil Recommended for High Temperature Applications

# S304 – 1/4" NPT, Stainless Steel Body, Normally Open



## Part Numbering

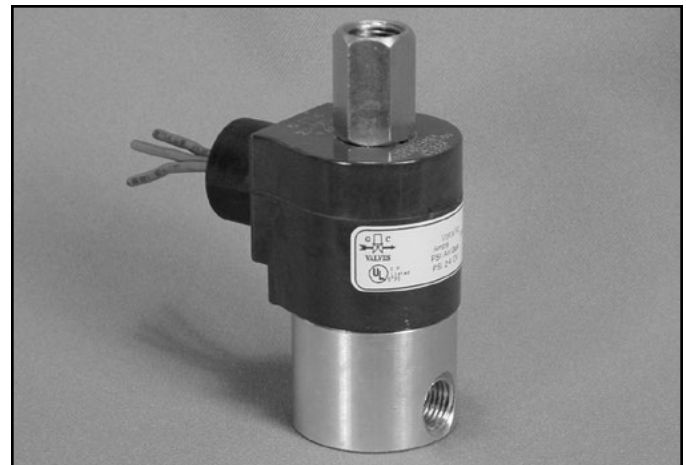
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			4: Normally Open	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	3: Stainless Steel	B: 1/4" NPT	C3: 3/64" x 3/64" V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/4" NPT
- Brass Body
- 3-Way Direct Acting
- Universal



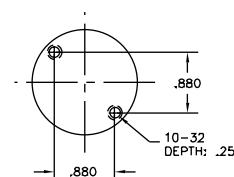
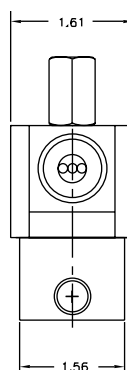
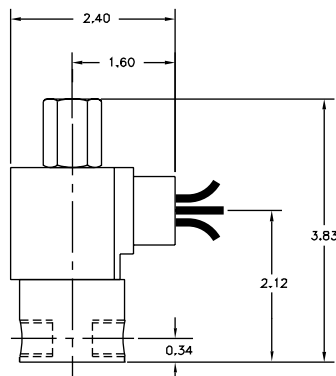
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.2

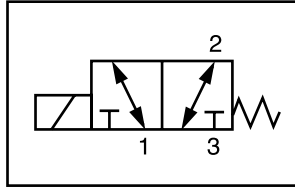




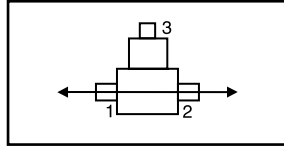
# S306 – 1/4" NPT, Brass Body, Universal

## Valve Selection List

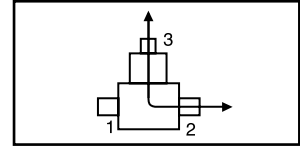
Universal



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )  Brass Body
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
	AC	DC	AC	DC	AC	DC									
1/4	3/64	1/16	.05	.10	150	120	150	120	—	—	295	EPR	10	10	S306GF02C8BV1
	1/16	1/16	.08	.10	120	100	120	100	—	—	295	EPR	10	10	S306GF02C8BC5
	3/32	3/32	.18	.23	75	25	75	25	—	—	295	EPR	10	10	S306GF02C8BC9
	1/8	3/32	.30	.23	75	20	75	20	—	—	295	EPR	10	10	S306GF02C8BV3
	5/32	3/32	.41	.23	60	20	60	20	—	—	295	EPR	10	10	S306GF02C8BV7
	3/16	3/32	.53	.23	30	20	30	20	—	—	295	EPR	10	10	S306GF02C8BV9
1/4	3/64	1/16	.05	.10	150	120	150	120	150	120	180	Nitrile	10	10	S306GF02N8BV1
	1/16	1/16	.08	.10	120	100	120	100	120	100	180	Nitrile	10	10	S306GF02N8BC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	180	Nitrile	10	10	S306GF02N8BC9
	1/8	3/32	.30	.23	75	20	75	20	75	20	180	Nitrile	10	10	S306GF02N8BV3
	5/32	3/32	.41	.23	60	20	60	20	60	20	180	Nitrile	10	10	S306GF02N8BV7
	3/16	3/32	.53	.23	30	20	30	20	30	20	180	Nitrile	10	10	S306GF02N8BV9
1/4	3/64	1/16	.05	.10	150	120	150	120	150	120	230	Viton	10	10	S306GF02V8BV1
	1/16	1/16	.08	.10	120	100	120	100	120	100	230	Viton	10	10	S306GF02V8BC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	230	Viton	10	10	S306GF02V8BC9
	1/8	3/32	.30	.23	75	20	75	20	75	20	230	Viton	10	10	S306GF02V8BV3
	5/32	3/32	.41	.23	60	20	60	20	60	20	230	Viton	10	10	S306GF02V8BV7
	3/16	3/32	.53	.23	30	20	30	20	30	20	230	Viton	10	10	S306GF02V8BV9
1/4	3/64	1/16	.05	.10	200	200	200	200	200	200	366*	Teflon	10	10	S306GF02T8BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	366*	Teflon	10	10	S306GF02T8BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	366*	Teflon	10	10	S306GF02T8BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	366*	Teflon	10	10	S306GF02T8BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	366*	Teflon	10	10	S306GF02T8BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	366*	Teflon	10	10	S306GF02T8BV9

\* Class H Coil Recommended for High Temperature Applications

# S306 – 1/4" NPT, Brass Body, Universal



## Part Numbering

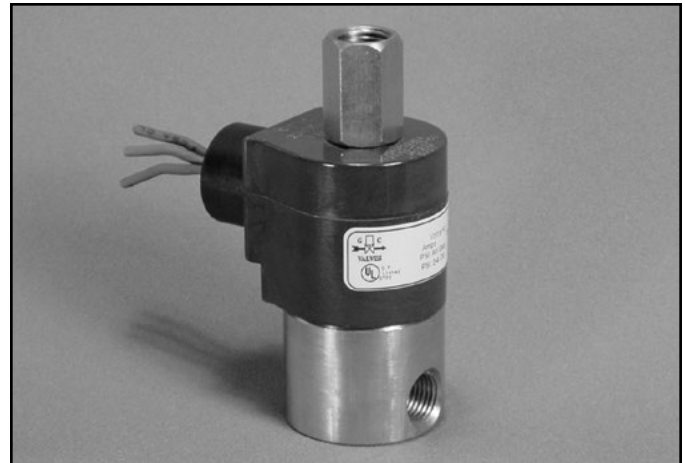
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			6: Universal	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Universal



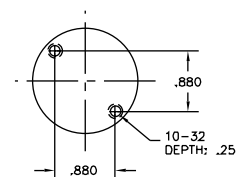
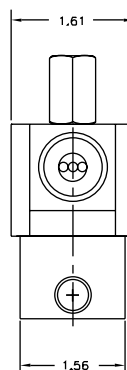
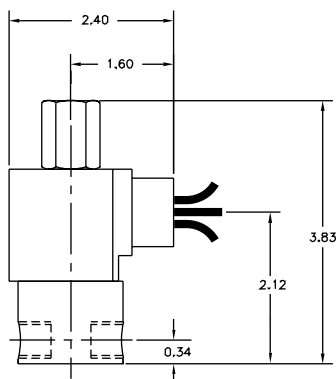
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.2



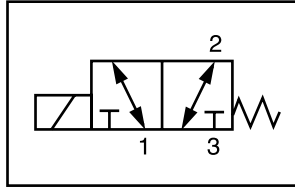




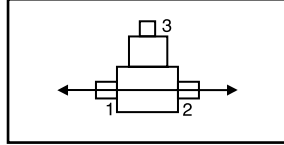
# S306 – 1/4" NPT, Stainless Steel Body, Universal

## Valve Selection List

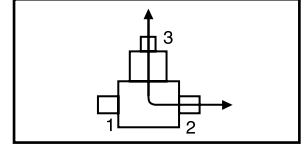
Universal



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/4	3/64	1/16	.05	.08	150	120	150	120	—	—	295	EPR	10	10	S306GF02C3BV1
	1/16	1/16	.08	.08	120	100	120	100	—	—	295	EPR	10	10	S306GF02C3BC5
	3/32	3/32	.18	.23	75	25	75	25	—	—	295	EPR	10	10	S306GF02C3BC9
	1/8	3/32	.30	.23	75	20	75	20	—	—	295	EPR	10	10	S306GF02C3BV3
	5/32	3/32	.41	.23	60	20	60	20	—	—	295	EPR	10	10	S306GF02C3BV7
	3/16	3/32	.53	.23	30	20	60	20	—	—	295	EPR	10	10	S306GF02C3BV9
1/4	3/64	1/16	.05	.08	150	120	150	120	150	120	180	Nitrile	10	10	S306GF02N3BV1
	1/16	1/16	.08	.08	120	100	120	100	120	100	180	Nitrile	10	10	S306GF02N3BC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	180	Nitrile	10	10	S306GF02N3BC9
	1/8	3/32	.30	.23	75	20	75	20	75	20	180	Nitrile	10	10	S306GF02N3BV3
	5/32	3/32	.41	.23	60	20	60	20	60	20	180	Nitrile	10	10	S306GF02N3BV7
	3/16	3/32	.53	.23	30	20	30	20	30	20	180	Nitrile	10	10	S306GF02N3BV9
1/4	3/64	1/16	.05	.08	150	120	150	120	150	120	230	Viton	10	10	S306GF02V3BV1
	1/16	1/16	.08	.08	120	100	120	100	120	100	230	Viton	10	10	S306GF02V3BC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	230	Viton	10	10	S306GF02V3BC9
	1/8	3/32	.30	.23	75	20	75	20	75	20	230	Viton	10	10	S306GF02V3BV3
	5/32	3/32	.41	.23	60	20	60	20	60	20	230	Viton	10	10	S306GF02V3BV7
	3/16	3/32	.53	.23	30	20	30	20	30	20	230	Viton	10	10	S306GF02V3BV9
1/4	3/64	1/16	.05	.08	150	120	150	120	150	120	366*	Teflon	10	10	S306GF02T3BV1
	1/16	1/16	.08	.08	120	100	120	100	120	100	366*	Teflon	10	10	S306GF02T3BC5
	3/32	3/32	.18	.23	75	25	75	25	75	25	366*	Teflon	10	10	S306GF02T3BC9
	1/8	3/32	.30	.23	75	20	75	20	75	20	366*	Teflon	10	10	S306GF02T3BV3
	5/32	3/32	.41	.23	60	20	60	20	60	20	366*	Teflon	10	10	S306GF02T3BV7
	3/16	3/32	.53	.23	30	20	30	20	30	20	366*	Teflon	10	10	S306GF02T3BV9

\* Class H Coil Recommended for High Temperature Applications

# S306 – 1/4" NPT, Stainless Steel Body, Universal



## Part Numbering

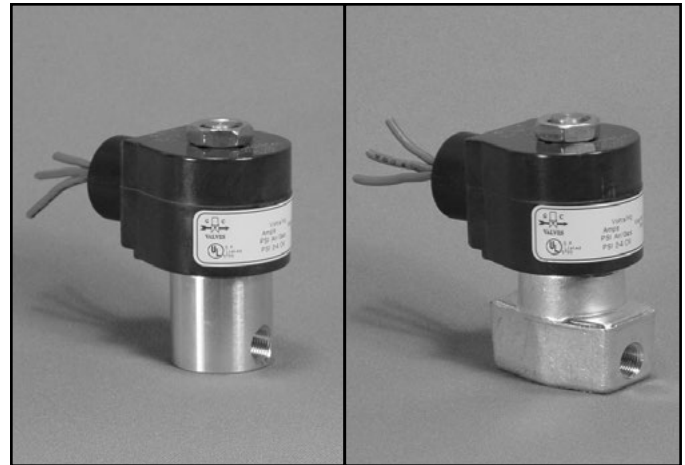
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			6: Universal	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	3: Stainless Steel	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

## 1/8" NPT Brass Body 2-Way Direct Acting Normally Closed

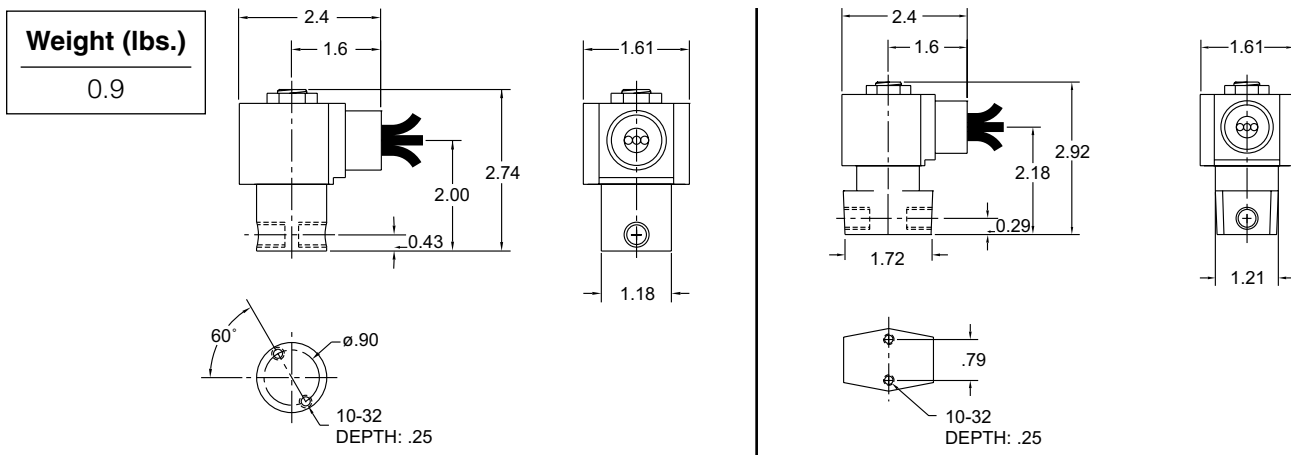


Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Safety Shutoff, UL Listed, UL Recognized, CSA Approved, FM Certified

\* Not available for all variations

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### Dimensions/Weight

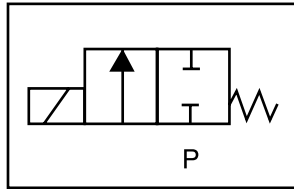




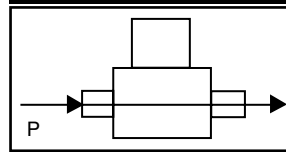
# S311 – 1/8" NPT, Brass Body, Normally Closed

## Valve Selection List

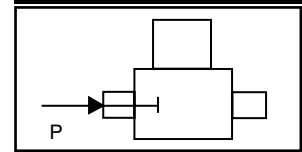
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	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	AC	DC							AC	DC
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	150*	150*	295	EPR	8	9	S311GF02C8AC1
	3/64	.05	0	770	420	770	420	—	—	—	—	150*	150*	295	EPR	8	9	S311GF02C8AC3
	1/16	.10	0	560	185	560	185	—	—	—	—	150*	150*	295	EPR	8	9	S311GF02C8AC5
	5/64	.15	0	400	150	400	150	—	—	—	—	150*	150*	295	EPR	8	9	S311GF02C8AC7
	3/32	.21	0	300	130	300	130	—	—	—	—	150*	130*	295	EPR	8	9	S311GF02C8AC9
	7/64	.29	0	210	90	210	90	—	—	—	—	150*	90*	295	EPR	8	9	S311GF02C8AD3
	1/8	.32	0	155	60	155	60	—	—	—	—	150*	60*	295	EPR	8	9	S311GF02C8AD5
	5/32	.43	0	105	35	105	35	—	—	—	—	105*	35*	295	EPR	8	9	S311GF02C8AD7
	3/16	.49	0	75	20	75	20	—	—	—	—	75*	20*	295	EPR	8	9	S311GF02C8AE1
	1/4	.85	0	35	15	35	15	—	—	—	—	35*	15*	295	EPR	8	9	S311GF02C9AE7
	9/32	1.0	0	20	10	20	10	—	—	—	—	20*	10*	295	EPR	8	9	S311GF02C9AF1
3/8	1.1	0	15	5	15	5	—	—	—	—	15*	5*	295	EPR	8	9	S311GF02C9AF5	
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	180	Nitrile	8	9	S311GF02N8AC1		
	3/64	.05	0	770	420	770	420	770	420	—	—	180	Nitrile	8	9	S311GF02N8AC3		
	1/16	.10	0	560	185	560	185	560	185	—	—	180	Nitrile	8	9	S311GF02N8AC5		
	5/64	.15	0	400	150	400	150	400	150	—	—	180	Nitrile	8	9	S311GF02N8AC7		
	3/32	.21	0	300	130	300	130	300	130	—	—	180	Nitrile	8	9	S311GF02N8AC9		
	7/64	.29	0	210	90	210	90	210	90	—	—	180	Nitrile	8	9	S311GF02N8AD3		
	1/8	.32	0	155	60	155	60	155	60	—	—	180	Nitrile	8	9	S311GF02N8AD5		
	5/32	.43	0	105	35	105	35	105	35	—	—	180	Nitrile	8	9	S311GF02N8AD7		
	3/16	.49	0	75	20	75	20	75	20	—	—	180	Nitrile	8	9	S311GF02N8AE1		
	1/4	.85	0	35	15	35	15	35	15	—	—	180	Nitrile	8	9	S311GF02N9AE7		
	9/32	1.0	0	20	10	20	10	20	10	—	—	180	Nitrile	8	9	S311GF02N9AF1		
3/8	1.1	0	15	5	15	5	15	5	—	—	180	Nitrile	8	9	S311GF02N9AF5			
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	230	Viton	8	9	S311GF02V8AC1		
	3/64	.05	0	770	420	770	420	770	420	—	—	230	Viton	8	9	S311GF02V8AC3		
	1/16	.10	0	560	185	560	185	560	185	—	—	230	Viton	8	9	S311GF02V8AC5		
	5/64	.15	0	400	150	400	150	400	150	—	—	230	Viton	8	9	S311GF02V8AC7		
	3/32	.21	0	300	130	300	130	300	130	—	—	230	Viton	8	9	S311GF02V8AC9		
	7/64	.29	0	210	90	210	90	210	90	—	—	230	Viton	8	9	S311GF02V8AD3		
	1/8	.32	0	155	60	155	60	155	60	—	—	230	Viton	8	9	S311GF02V8AD5		
	5/32	.43	0	105	35	105	35	105	35	—	—	230	Viton	8	9	S311GF02V8AD7		
	3/16	.49	0	75	20	75	20	75	20	—	—	230	Viton	8	9	S311GF02V8AE1		
	1/4	.85	0	35	15	35	15	35	15	—	—	230	Viton	8	9	S311GF02V9AE7		
	9/32	1.0	0	20	10	20	10	20	10	—	—	230	Viton	8	9	S311GF02V9AF1		
3/8	1.1	0	15	5	15	5	15	5	—	—	230	Viton	8	9	S311GF02V9AF5			

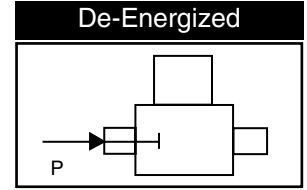
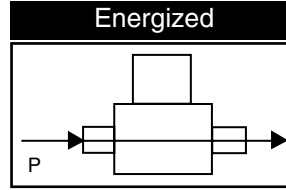
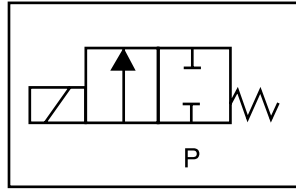
\* Class H Coil Recommended for Steam and Other High Temperature Applications

# S311 – 1/8" NPT, Brass Body, Normally Closed



## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Brass Body
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Rulon	8	9	S311GF02R8AC1
	3/64	.05	0	770	420	770	420	770	420	150*	150*	366	Rulon	8	9	S311GF02R8AC3
	1/16	.10	0	560	185	560	185	560	185	150*	150*	366	Rulon	8	9	S311GF02R8AC5
	5/64	.15	0	400	150	400	150	400	150	150*	150*	366	Rulon	8	9	S311GF02R8AC7
	3/32	.21	0	300	130	300	130	300	130	150*	130*	366	Rulon	8	9	S311GF02R8AC9
	7/64	.29	0	210	90	210	90	210	90	150*	90*	366	Rulon	8	9	S311GF02R8AD3
	1/8	.32	0	155	60	155	60	155	60	150*	60*	366	Rulon	8	9	S311GF02R8AD5
	5/32	.43	0	105	35	105	35	105	35	105*	35*	366	Rulon	8	9	S311GF02R8AD7
	3/16	.49	0	75	20	75	20	75	20	75*	20*	366	Rulon	8	9	S311GF02R8AE1
	1/4	.85	0	35	15	35	15	35	15	35*	15*	366	Rulon	8	9	S311GF02R9AE7
	9/32	1.0	0	20	10	20	10	20	10	20*	10*	366	Rulon	8	9	S311GF02R9AF1
	3/8	1.1	0	15	5	15	5	15	5	15*	5*	366	Rulon	8	9	S311GF02R9AF5
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Teflon	8	9	S311GF02T8AC1
	3/64	.05	0	770	420	770	420	770	420	150*	150*	366	Teflon	8	9	S311GF02T8AC3
	1/16	.10	0	560	185	560	185	560	185	150*	150*	366	Teflon	8	9	S311GF02T8AC5
	5/64	.15	0	400	150	400	150	400	150	150*	150*	366	Teflon	8	9	S311GF02T8AC7
	3/32	.21	0	300	130	300	130	300	130	150*	130*	366	Teflon	8	9	S311GF02T8AC9
	7/64	.29	0	210	90	210	90	210	90	150*	90*	366	Teflon	8	9	S311GF02T8AD3
	1/8	.32	0	155	60	155	60	155	60	150*	60*	366	Teflon	8	9	S311GF02T8AD5
	5/32	.43	0	105	35	105	35	105	35	105*	35*	366	Teflon	8	9	S311GF02T8AD7
	3/16	.49	0	75	20	75	20	75	20	75*	20*	366	Teflon	8	9	S311GF02T8AE1
	1/4	.85	0	35	15	35	15	35	15	35*	15*	366	Teflon	8	9	S311GF02T9AE7
	9/32	1.0	0	20	10	20	10	20	10	20*	10*	366	Teflon	8	9	S311GF02T9AF1
	3/8	1.1	0	15	5	15	5	15	5	15*	5*	366	Teflon	8	9	S311GF02T9AF5

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



# S311 – 1/8" NPT, Brass Body, Normally Closed

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>A</b>	<b>C</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S31			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	8: Brass 9: Forged Brass	A: 1/8" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C7: 5/46" C9: 3/32" D3: 7/64" D5: 1/8" D7: 5/32" E1: 3/16" E7: 1/4" F1: 9/32" F5: 3/8" <sup>®</sup>	

\* See the "Engineering Guide" for additional voltages, variations and options.

<sup>®</sup>Brass

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	36	36
	Holding	13	14

## 1/8" NPT Stainless Steel Body 2-Way Direct Acting Normally Closed



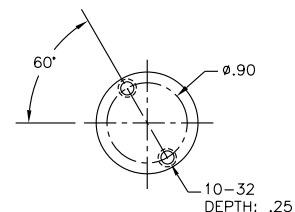
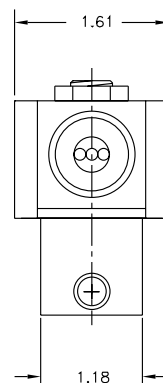
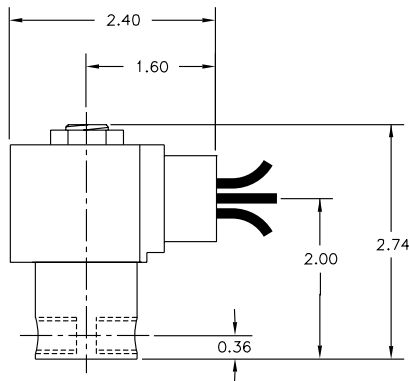
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Safety Shutoff, UL Listed, UL Recognized, CSA Approved, FM Certified

\* Not available for all variations

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### Dimensions/Weight

**Weight (lbs.)**  
0.9

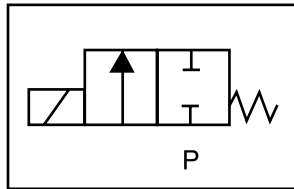




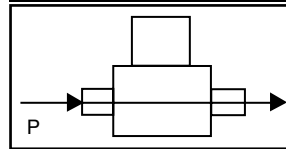
# S311 – 1/8" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

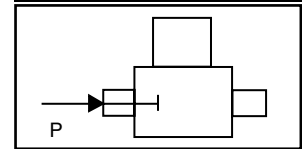
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			Stainless Steel Body		
1/8	1/32	.03	0	2000	2000	2000	2000	—	—	150*	150*	295	EPR	8	9	S311GF02C2AC1
	3/64	.05	0	770	420	770	420	—	—	150*	150*	295	EPR	8	9	S311GF02C2AC3
	1/16	.10	0	560	185	560	185	—	—	150*	150*	295	EPR	8	9	S311GF02C2AC5
	5/64	.15	0	400	150	400	150	—	—	150*	150*	295	EPR	8	9	S311GF02C2AC7
	3/32	.21	0	300	130	300	130	—	—	150*	130*	295	EPR	8	9	S311GF02C2AC9
	7/64	.29	0	210	90	210	90	—	—	150*	90*	295	EPR	8	9	S311GF02C2AD3
	1/8	.32	0	155	60	155	60	—	—	150*	60*	295	EPR	8	9	S311GF02C2AD5
	5/32	.43	0	105	35	105	35	—	—	105*	35*	295	EPR	8	9	S311GF02C2AD7
3/16	.49	0	75	20	75	20	—	—	75*	20*	295	EPR	8	9	S311GF02C2AE1	
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	180	Nitrile	8	9	S311GF02N2AC1
	3/64	.05	0	770	420	770	420	770	420	—	—	180	Nitrile	8	9	S311GF02N2AC3
	1/16	.10	0	560	185	560	185	560	185	—	—	180	Nitrile	8	9	S311GF02N2AC5
	5/94	.15	0	400	150	400	150	400	150	—	—	180	Nitrile	8	9	S311GF02N2AC7
	3/32	.21	0	300	130	300	130	300	130	—	—	180	Nitrile	8	9	S311GF02N2AC9
	7/64	.14	0	210	90	210	90	210	90	—	—	180	Nitrile	8	9	S311GF02N2AD3
	1/8	.32	0	155	60	155	60	155	60	—	—	180	Nitrile	8	9	S311GF02N2AD5
	5/32	.43	0	105	35	105	35	105	35	—	—	180	Nitrile	8	9	S311GF02N2AD7
3/16	.49	0	75	20	75	20	75	20	—	—	180	Nitrile	8	9	S311GF02N2AE1	
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	230	Viton	8	9	S311GF02V2AC1
	3/64	.05	0	770	420	770	420	770	420	—	—	230	Viton	8	9	S311GF02V2AC3
	1/16	.10	0	560	185	560	185	560	185	—	—	230	Viton	8	9	S311GF02V2AC5
	5/64	.15	0	400	150	400	150	400	150	—	—	230	Viton	8	9	S311GF02V2AC7
	3/32	.21	0	300	130	300	130	300	130	—	—	230	Viton	8	9	S311GF02V2AC9
	7/64	.29	0	210	90	210	90	210	90	—	—	230	Viton	8	9	S311GF02V2AD3
	1/8	.32	0	155	60	155	60	155	60	—	—	230	Viton	8	9	S311GF02V2AD5
	5/32	.43	0	105	35	105	35	105	35	—	—	230	Viton	8	9	S311GF02V2AD7
3/16	.49	0	75	20	75	20	75	20	—	—	230	Viton	8	9	S311GF02V2AE1	

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

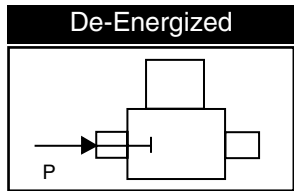
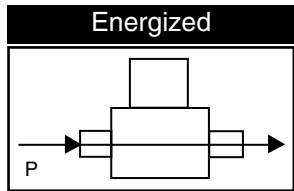
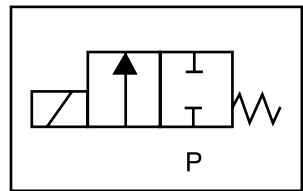


# S311 – 1/8" NPT, Stainless Steel Body, Normally Closed



## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Rulon	8	9	S311GF02R2AC1
	3/64	.05	0	770	420	770	420	770	420	150*	150*	366	Rulon	8	9	S311GF02R2AC3
	1/16	.10	0	560	185	560	185	560	185	150*	150*	366	Rulon	8	9	S311GF02R2AC5
	5/64	.15	0	400	150	400	150	400	150	150*	150*	366	Rulon	8	9	S311GF02R2AC7
	3/32	.21	0	300	130	300	130	300	130	150*	130*	366	Rulon	8	9	S311GF02R2AC9
	7/64	.29	0	210	90	210	90	210	90	150*	90*	366	Rulon	8	9	S311GF02R2AD3
	1/8	.32	0	155	60	155	60	155	60	150*	60*	366	Rulon	8	9	S311GF02R2AD5
	5/32	.43	0	105	35	105	35	105	35	105*	35*	366	Rulon	8	9	S311GF02R2AD7
3/16	.49	0	75	20	75	20	75	20	75*	20*	366	Rulon	8	9	S311GF02R2AE1	
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Teflon	8	9	S311GF02T2AC1
	3/64	.05	0	770	420	770	420	770	420	150*	150*	366	Teflon	8	9	S311GF02T2AC3
	1/16	.10	0	560	185	560	185	560	185	150*	150*	366	Teflon	8	9	S311GF02T2AC5
	5/64	.15	0	400	150	400	150	400	150	150*	150*	366	Teflon	8	9	S311GF02T2AC7
	3/32	.21	0	300	130	300	130	300	130	150*	130*	366	Teflon	8	9	S311GF02T2AC9
	7/64	.29	0	210	90	210	90	210	90	150*	90*	366	Teflon	8	9	S311GF02T2AD3
	1/8	.32	0	155	60	155	60	155	60	150*	60*	366	Teflon	8	9	S311GF02T2AD5
	5/32	.43	0	105	35	105	35	105	35	105*	35*	366	Teflon	8	9	S311GF02T2AD7
3/16	.49	0	75	20	75	20	75	20	75*	20*	366	Teflon	8	9	S311GF02T2AE1	

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



# S311 – 1/8" NPT, Stainless Steel, Normally Closed

## Part Numbering

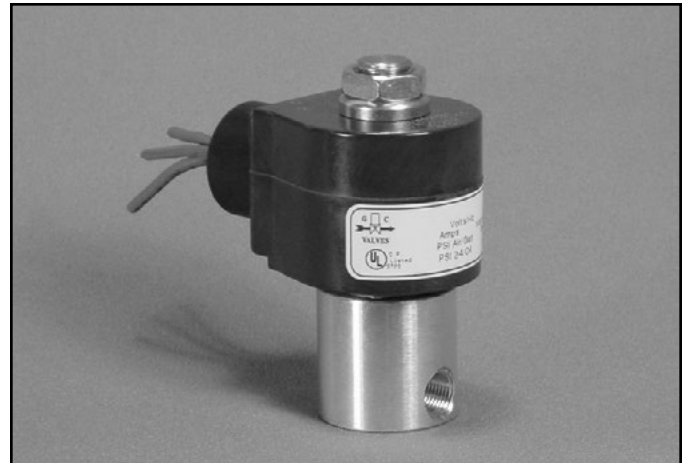
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S31			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	2: Stainless Steel	A: 1/8" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C9: 5/64" C9: 3/32" D3: 7/64" D5: 1/8" D7: 5/32" E1: 3/16"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	36	36
	Holding	13	14

## 1/8" NPT Brass Body 2-Way Direct Acting Normally Open



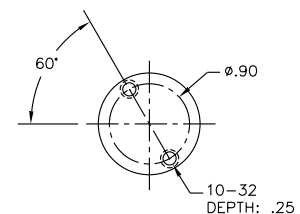
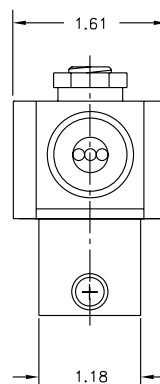
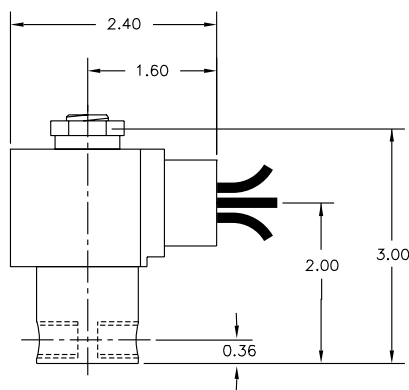
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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### Dimensions/Weight

<b>Weight (lbs.)</b>
0.9

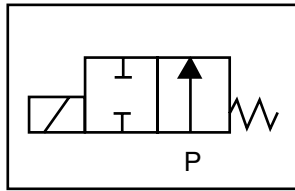




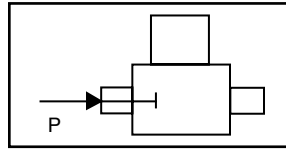
# S312 – 1/8" NPT, Brass Body, Normally Open

## Valve Selection List

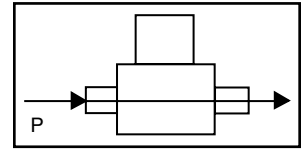
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)		
				Maximum										AC	DC			
				Air/Gas		Water		Light Oil		Steam*								
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC			
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	150*	150*	295	EPR	AC	AC	S312GF02C8AC1
	3/64	.05	0	350	350	350	350	350	350	—	—	150*	150*	295	EPR	8	9	S312GF02C8AC3
	1/16	.10	0	200	200	200	200	200	200	—	—	150*	150*	295	EPR	8	9	S312GF02C8AC5
	5/64	.15	0	140	140	140	140	140	140	—	—	140*	140*	295	EPR	8	9	S312GF02C8AC7
	3/32	.20	0	105	105	105	105	105	105	—	—	105*	105*	295	EPR	8	9	S312GF02C8AC9
	7/64	.25	0	80	80	80	80	80	80	—	—	80*	80*	295	EPR	8	9	S312GF02C8AD3
	1/8	.30	0	60	60	60	60	60	60	—	—	60*	60*	295	EPR	8	9	S312GF02C8AD5
	5/32	.43	0	45	45	45	45	45	45	—	—	45*	45*	295	EPR	8	9	S312GF02C8AD7
3/16	.65	0	30	30	30	30	30	30	—	—	30*	30*	295	EPR	8	9	S312GF02C8AE1	
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	180	Nitrile	8	9	S312GF02N8AC1		
	3/64	.05	0	350	350	350	350	350	350	—	—	180	Nitrile	8	9	S312GF02N8AC3		
	1/16	.10	0	200	200	200	200	200	200	—	—	180	Nitrile	8	9	S312GF02N8AC5		
	5/64	.15	0	140	140	140	140	140	140	—	—	180	Nitrile	8	9	S312GF02N8AC7		
	3/32	.20	0	105	105	105	105	105	105	—	—	180	Nitrile	8	9	S312GF02N8AC9		
	7/64	.25	0	80	80	80	80	80	80	—	—	180	Nitrile	8	9	S312GF02N8AD3		
	1/8	.30	0	60	60	60	60	60	60	—	—	180	Nitrile	8	9	S312GF02N8AD5		
	5/32	.43	0	45	45	45	45	45	45	—	—	180	Nitrile	8	9	S312GF02N8AD7		
3/16	.65	0	30	30	30	30	30	30	—	—	180	Nitrile	8	9	S312GF02N8AE1			
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	230	Viton	8	9	S312GF02V8AC1		
	3/64	.05	0	350	350	350	350	350	350	—	—	230	Viton	8	9	S312GF02V8AC3		
	1/16	.10	0	200	200	200	200	200	200	—	—	230	Viton	8	9	S312GF02V8AC5		
	5/64	.15	0	140	140	140	140	140	140	—	—	230	Viton	8	9	S312GF02V8AC7		
	3/32	.20	0	105	105	105	105	105	105	—	—	230	Viton	8	9	S312GF02V8AC9		
	7/64	.25	0	80	80	80	80	80	80	—	—	230	Viton	8	9	S312GF02V8AD3		
	1/8	.30	0	60	60	60	60	60	60	—	—	230	Viton	8	9	S312GF02V8AD5		
	5/32	.43	0	45	45	45	45	45	45	—	—	230	Viton	8	9	S312GF02V8AD7		
3/16	.65	0	30	30	30	30	30	30	—	—	230	Viton	8	9	S312GF02V8AE1			

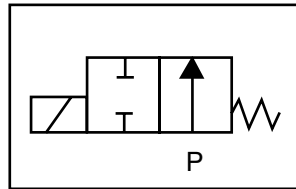
\* Class H Coil Recommended for Steam and Other High Temperature Applications

# S312 – 1/8" NPT, Brass Body, Normally Open

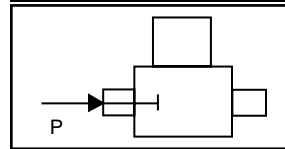


## Valve Selection List

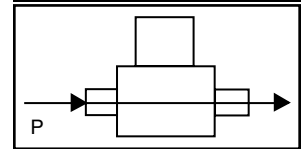
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Brass Body
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Rulon	8	9	S312GF02R8AC1
	3/64	.05	0	350	350	350	350	350	350	150*	150*	366	Rulon	8	9	S312GF02R8AC3
	1/16	.10	0	200	200	200	200	200	200	150*	150*	366	Rulon	8	9	S312GF02R8AC5
	5/64	.15	0	140	140	140	140	140	140	140*	140*	366	Rulon	8	9	S312GF02R8AC7
	3/32	.20	0	105	105	105	105	105	105	105*	105*	366	Rulon	8	9	S312GF02R8AC9
	7/64	.25	0	80	80	80	80	80	80	80*	80*	366	Rulon	8	9	S312GF02R8AD3
	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Rulon	8	9	S312GF02R8AD5
	5/32	.43	0	45	45	45	45	45	45	45*	45*	366	Rulon	8	9	S312GF02R8AD7
	3/16	.65	0	30	30	30	30	30	30	30*	30*	366	Rulon	8	9	S312GF02R8AE1
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Teflon	8	9	S312GF02T8AC1
	3/64	.05	0	350	350	350	350	350	350	150*	150*	366	Teflon	8	9	S312GF02T8AC3
	1/16	.10	0	200	200	200	200	200	200	150*	150*	366	Teflon	8	9	S312GF02T8AC5
	5/64	.15	0	140	140	140	140	140	140	140*	140*	366	Teflon	8	9	S312GF02T8AC7
	3/32	.22	0	105	105	105	105	105	105	105*	105*	366	Teflon	8	9	S312GF02T8AC9
	7/64	.25	0	80	80	80	80	80	80	80*	80*	366	Teflon	8	9	S312GF02T8AD3
	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Teflon	8	9	S312GF02T8AD5
	5/32	.43	0	45	45	45	45	45	45	45*	45*	366	Teflon	8	9	S312GF02T8AD7
	3/16	.65	0	30	30	30	30	30	30	30*	30*	366	Teflon	8	9	S312GF02T8AE1

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



# S312 – 1/8" NPT, Brass Body, Normally Open

## Part Numbering

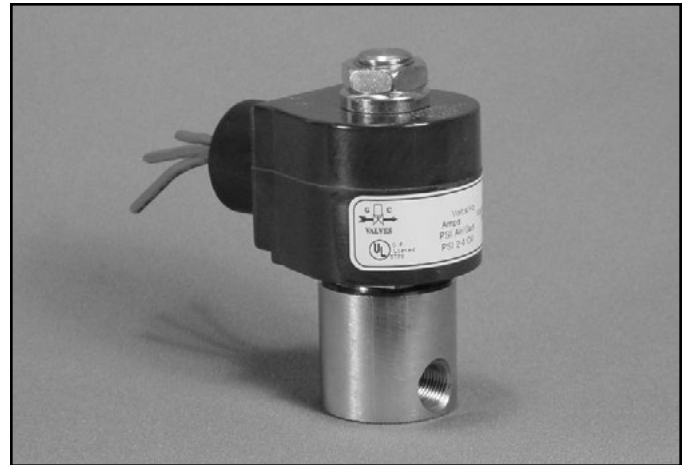
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S31			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	8: Brass	A: 1/8" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C9: 3/32" D5: 1/8" E1: 3/16"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	18

## 1/8" NPT Stainless Steel 2-Way Direct Acting Normally Open



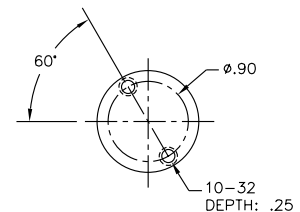
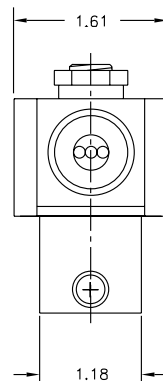
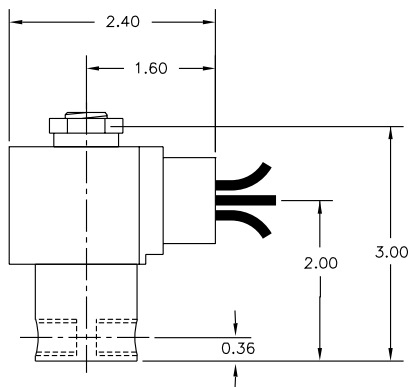
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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### Dimensions/Weight

<b>Weight (lbs.)</b>
0.9

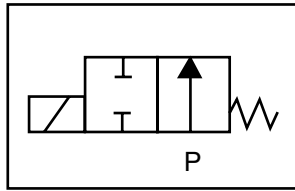




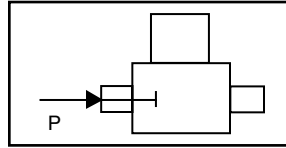
# S312 – 1/8" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

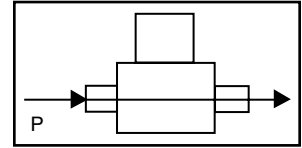
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Operating Pressure Differential (psi)										Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
			Maximum												AC	DC	
			Air/Gas		Water		Light Oil		Steam*								
			AC	DC	AC	DC	AC	DC	AC	DC	AC	DC					
1/8	1/32	.03	0	2000	2000	2000	2000	—	—	150*	150*	295	EPR	8	9	S312GF02C2AC1	
	3/64	.05	0	350	350	350	350	—	—	150*	150*	295	EPR	8	9	S312GF02C2AC3	
	1/16	.10	0	200	200	200	200	—	—	150*	150*	295	EPR	8	9	S312GF02C2AC5	
	5/64	.15	0	140	140	140	140	—	—	140*	140*	295	EPR	8	9	S312GF02C2AC7	
	3/32	.22	0	105	105	105	105	—	—	105*	105*	295	EPR	8	9	S312GF02C2AC9	
	7/64	.25	0	80	80	80	80	—	—	80*	80*	295	EPR	8	9	S312GF02C2AD3	
	1/8	.30	0	60	60	60	60	—	—	60*	60*	295	EPR	8	9	S312GF02C2AD5	
	3/16	.65	0	30	30	30	30	—	—	30*	30*	295	EPR	8	9	S312GF02C2AE1	
1/8	1/32	.03	0	2000	2000	2000	2000	—	—	—	—	180	Nitrile	8	9	S312GF02N2AC1	
	3/64	.05	0	350	350	350	350	350	—	—	—	180	Nitrile	8	9	S312GF02N2AC3	
	1/16	.10	0	200	200	200	200	200	—	—	—	180	Nitrile	8	9	S312GF02N2AC5	
	5/64	.15	0	140	140	140	140	140	—	—	—	180	Nitrile	8	9	S312GF02N2AC7	
	3/32	.22	0	105	105	105	105	105	—	—	—	180	Nitrile	8	9	S312GF02N2AC9	
	7/64	.25	0	80	80	80	80	80	—	—	—	180	Nitrile	8	9	S312GF02N2AD3	
	1/8	.30	0	60	60	60	60	60	—	—	—	180	Nitrile	8	9	S312GF02N2AD5	
	3/16	.65	0	30	30	30	30	30	—	—	—	180	Nitrile	8	9	S312GF02N2AE1	
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	230	Viton	8	9	S312GF02V2AC1	
	3/64	.05	0	350	350	350	350	350	350	—	—	230	Viton	8	9	S312GF02V2AC3	
	1/16	.10	0	200	200	200	200	200	200	—	—	230	Viton	8	9	S312GF02V2AC5	
	5/64	.15	0	140	140	140	140	140	140	—	—	230	Viton	8	9	S312GF02V2AC7	
	3/32	.22	0	105	105	105	105	105	105	—	—	230	Viton	8	9	S312GF02V2AC9	
	7/64	.25	0	80	80	80	80	80	80	—	—	230	Viton	8	9	S312GF02V2AD3	
	1/8	.30	0	60	60	60	60	60	60	—	—	230	Viton	8	9	S312GF02V2AD5	
	3/16	.65	0	30	30	30	30	30	30	—	—	230	Viton	8	9	S312GF02V2AE1	
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Rulon	8	9	S312GF02R2AC1	
	3/64	.05	0	350	350	350	350	350	350	150*	150*	366	Rulon	8	9	S312GF02R2AC3	
	1/16	.10	0	200	200	200	200	200	200	150*	150*	366	Rulon	8	9	S312GF02R2AC5	
	5/64	.15	0	140	140	140	140	140	140	150*	150*	366	Rulon	8	9	S312GF02R2AC7	
	3/32	.22	0	105	105	105	105	105	105	150*	150*	366	Rulon	8	9	S312GF02R2AC9	
	7/64	.25	0	40	40	40	40	40	40	40*	40*	366	Rulon	8	9	S312GF02R2AD3	
	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Rulon	8	9	S312GF02R2AD5	
	3/16	.65	0	30	30	30	30	30	30*	30*	366	Rulon	8	9	S312GF02R2AE1		
1/8	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Teflon	8	9	S312GF02T2AC1	
	3/64	.05	0	600	600	600	600	600	600	150*	150*	366	Teflon	8	9	S312GF02T2AC3	
	1/16	.10	0	200	200	200	200	200	200	150*	150*	366	Teflon	8	9	S312GF02T2AC5	
	5/64	.15	0	140	140	140	140	140	140	140*	140*	366	Teflon	8	9	S312GF02T2AC7	
	3/32	.22	0	105	105	105	105	105	105	150*	150*	366	Teflon	8	9	S312GF02T2AC9	
	7/64	.25	0	80	80	80	80	80	80	80*	80*	366	Teflon	8	9	S312GF02T2AD3	
	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Teflon	8	9	S312GF02T2AD5	
	3/16	.65	0	30	30	30	30	30	30*	30*	366	Teflon	8	9	S312GF02T2AE1		

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



# S312 – 1/8" NPT, Stainless Steel Body, Normally Open



## Part Numbering

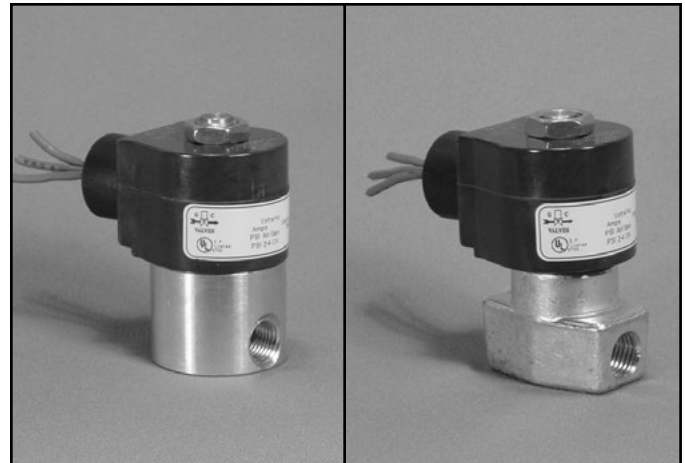
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S31			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	2: Stainless Steel	A: 1/8" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C9: 3/32" D5: 1/8" E1: 3/16"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	36	36
	Holding	18	19

## 1/4" NPT Brass Body 2-Way Direct Acting Normally Closed

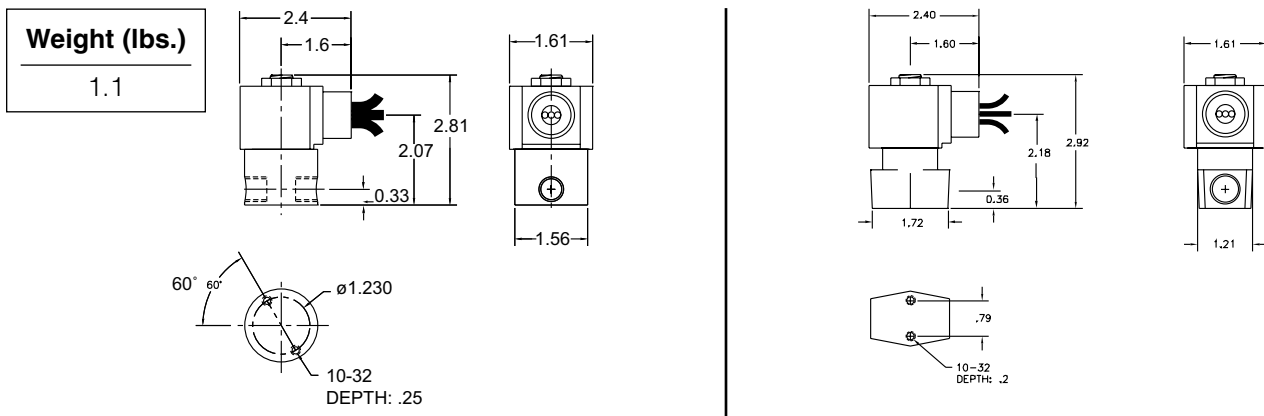


Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Safety Shutoff, UL Listed, UL Recognized, CSA Approved, FM Certified

\* Not available for all variations

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### Dimensions/Weight

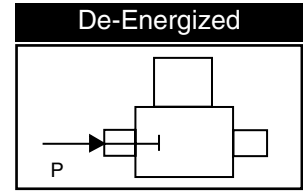
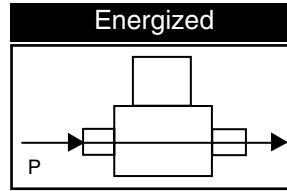
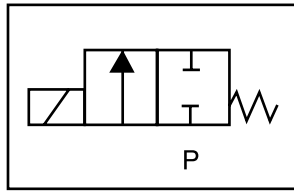




# S311 – 1/4" NPT, Brass Body, Normally Closed

## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Brass Body
1/4	1/32	.03	0	2000	2000	2000	2000	—	—	150*	150*	295	EPR	8	9	S311GF02C8AC1
	3/64	.05	0	770	420	770	420	—	—	150*	150*	295	EPR	8	9	S311GF02C8BC3
	1/16	.10	0	560	185	560	185	—	—	150*	150*	295	EPR	8	9	S311GF02C8BC5
	5/64	.15	0	400	150	400	150	—	—	150*	150*	295	EPR	8	9	S311GF02C8BC7
	3/32	.21	0	300	130	300	130	—	—	150*	130*	295	EPR	8	9	S311GF02C8BC9
	7/64	.29	0	210	90	210	90	—	—	150*	90*	295	EPR	8	9	S311GF02C8BD3
	1/8	.32	0	155	60	155	60	—	—	150*	60*	295	EPR	8	9	S311GF02C8BD5
	5/32	.43	0	105	35	105	35	—	—	105*	35*	295	EPR	8	9	S311GF02C8BD7
	3/16	.49	0	75	20	75	20	—	—	75*	20*	295	EPR	8	9	S311GF02C8BE1
	1/4	.85	0	35	15	35	15	—	—	35*	15*	295	EPR	8	9	S311GF02C9BE7
	9/32	1.0	0	20	10	20	10	—	—	20*	10*	295	EPR	8	9	S311GF02C9BF1
	3/8	1.1	0	15	5	15	5	—	—	15*	5*	295	EPR	8	9	S311GF02C9BF5
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	180	Nitrile	8	9	S311GF02N8AC1
	3/64	.05	0	770	420	770	420	770	420	—	—	180	Nitrile	8	9	S311GF02N8BC3
	1/16	.10	0	560	185	560	185	560	185	—	—	180	Nitrile	8	9	S311GF02N8BC5
	5/64	.15	0	400	150	400	150	400	150	—	—	180	Nitrile	8	9	S311GF02N8BC7
	3/32	.21	0	300	130	300	130	300	130	—	—	180	Nitrile	8	9	S311GF02N8BC9
	7/64	.29	0	210	90	210	90	210	90	—	—	180	Nitrile	8	9	S311GF02N8BD3
	1/8	.32	0	155	60	155	60	155	60	—	—	180	Nitrile	8	9	S311GF02N8BD5
	5/32	.43	0	105	35	105	35	105	35	—	—	180	Nitrile	8	9	S311GF02N8BD7
	3/16	.49	0	75	20	75	20	75	20	—	—	180	Nitrile	8	9	S311GF02N8BE1
	1/4	.85	0	35	15	35	15	35	15	—	—	180	Nitrile	8	9	S311GF02N9BE7
	9/32	1.0	0	20	10	20	10	20	10	—	—	180	Nitrile	8	9	S311GF02N9BF1
	3/8	1.1	0	15	5	15	5	15	5	—	—	180	Nitrile	8	9	S311GF02N9BF5
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	230	Viton	8	9	S311GF02V8AC1
	3/64	.05	0	770	420	770	420	770	420	—	—	230	Viton	8	9	S311GF02V8BC3
	1/16	.10	0	560	185	560	185	560	185	—	—	230	Viton	8	9	S311GF02V8BC5
	5/64	.15	0	400	150	400	150	400	150	—	—	230	Viton	8	9	S311GF02V8BC7
	3/32	.21	0	300	130	300	130	300	130	—	—	230	Viton	8	9	S311GF02V8BC9
	7/64	.29	0	210	90	210	90	210	150	—	—	230	Viton	8	9	S311GF02V8BD3
	1/8	.32	0	155	60	155	60	155	60	—	—	230	Viton	8	9	S311GF02V8BD5
	5/32	.43	0	105	35	105	35	105	35	—	—	230	Viton	8	9	S311GF02V8BD7
	3/16	.49	0	75	20	75	20	75	20	—	—	230	Viton	8	9	S311GF02V8BE1
	1/4	.85	0	35	15	35	15	35	15	—	—	230	Viton	8	9	S311GF02V9BE7
	9/32	1.0	0	20	10	20	10	20	10	—	—	230	Viton	8	9	S311GF02V9BF1
	3/8	1.1	0	15	5	15	5	15	5	—	—	230	Viton	8	9	S311GF02V9BF5

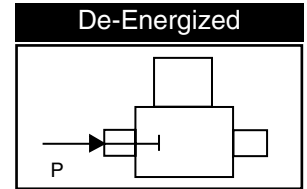
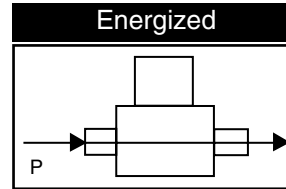
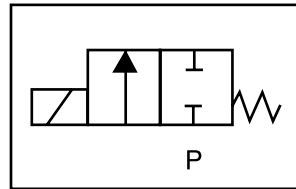
\* Class H Coil Recommended for Steam and Other High Temperature Applications

# S311 – 1/4" NPT, Brass Body, Normally Closed



## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Brass Body
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Rulon	8	9	S311GF02R8AC1
	3/64	.05	0	770	420	770	420	770	420	150*	150*	366	Rulon	8	9	S311GF02R8BC3
	1/16	.10	0	560	185	560	185	560	185	150*	150*	366	Rulon	8	9	S311GF02R8BC5
	5/64	.15	0	400	150	400	150	400	150	150*	150*	366	Rulon	8	9	S311GF02R8BC7
	3/32	.21	0	300	130	300	130	300	130	150*	130*	366	Rulon	8	9	S311GF02R8BC9
	7/64	.29	0	210	90	210	90	210	90	150*	90*	366	Rulon	8	9	S311GF02R8BD3
	1/8	.32	0	155	60	155	60	155	60	150*	60*	366	Rulon	8	9	S311GF02R8BD5
	5/32	.43	0	105	35	105	35	105	35	105*	35*	366	Rulon	8	9	S311GF02R8BD7
	3/16	.49	0	75	20	75	20	75	20	75*	20*	366	Rulon	8	9	S311GF02R8BE1
	1/4	.85	0	35	15	35	15	35	15	35*	15*	366	Rulon	8	9	S311GF02R9BE7
	9/32	1.0	0	20	10	20	10	20	10	20*	10*	366	Rulon	8	9	S311GF02R9BF1
3/8	1.1	0	15	5	15	5	15	5	15*	5*	366	Rulon	8	9	S311GF02R9BF5	
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Teflon	8	9	S311GF02T8AC1
	3/64	.05	0	770	420	770	420	770	420	150*	150*	366	Teflon	8	9	S311GF02T8BC3
	1/16	.10	0	560	185	560	185	560	185	150*	150*	366	Teflon	8	9	S311GF02T8BC5
	5/64	.15	0	400	150	400	150	400	150	150*	150*	366	Teflon	8	9	S311GF02T8BC7
	3/32	.21	0	300	130	300	130	300	130	150*	130*	366	Teflon	8	9	S311GF02T8BC9
	7/64	.29	0	210	90	210	90	210	90	150*	90*	366	Teflon	8	9	S311GF02T8BD3
	1/8	.32	0	155	60	155	60	155	60	150*	60*	366	Teflon	8	9	S311GF02T8BD5
	5/32	.43	0	105	35	105	35	105	35	105*	35*	366	Teflon	8	9	S311GF02T8BD7
	3/16	.49	0	75	20	75	20	75	20	75*	20*	366	Teflon	8	9	S311GF02T8BE1
	1/4	.85	0	35	15	35	15	35	15	35*	15*	366	Teflon	8	9	S311GF02T9BE7
	9/32	1.0	0	20	10	20	10	20	10	20*	10*	366	Teflon	8	9	S311GF02T9BF1
3/8	1.1	0	15	5	15	5	15	5	15*	5*	366	Teflon	8	9	S311GF02T9BF5	

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



# S311 – 1/4" NPT, Brass Body, Normally Closed

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>B</b>	<b>C</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S31			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	8: Brass 9: Forged Brass	B: 1/4" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C7: 5/64" C9: 3/32" D3: 7/64" D5: 1/8" D7: 5/32" E1: 3/16" E7: 1/4" F1: 9/32" F5: 3/8" <sup>®</sup>	

\* See the "Engineering Guide" for additional voltages, variations and options.

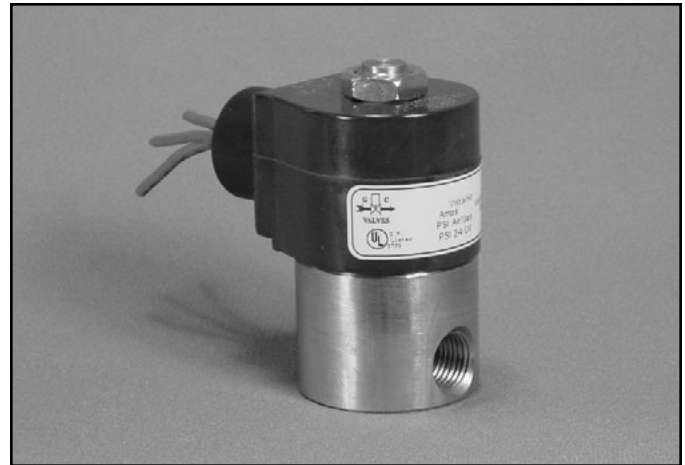
<sup>®</sup>Brass

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	13

## 1/4" NPT Stainless Steel Body 2-Way Direct Acting Normally Closed



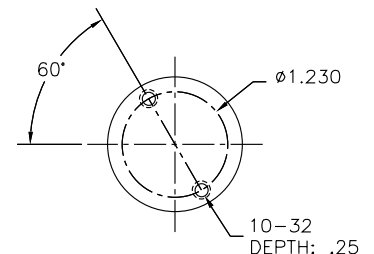
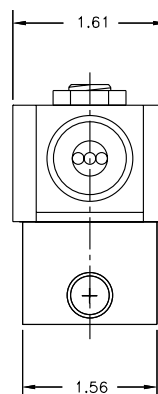
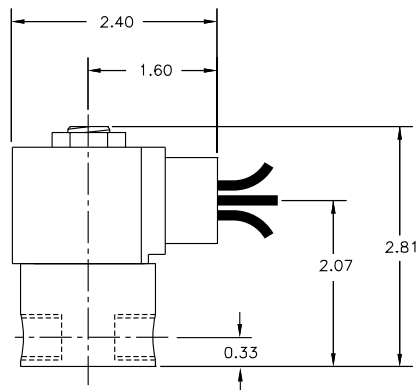
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Safety Shutoff, UL Listed, UL Recognized, CSA Approved, FM Certified

\* Not available for all variations

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### Dimensions/Weight

**Weight (lbs.)**  
1.1

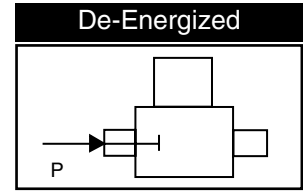
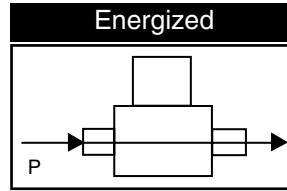
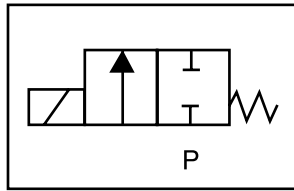




# S311 – 1/4" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Stainless Steel Body
1/4	1/32	.03	0	2000	2000	2000	2000	—	—	150*	150*	295	EPR	8	9	S311GF02C3BC1
	3/64	.05	0	770	420	770	420	—	—	150*	150*	295	EPR	8	9	S311GF02C3BC3
	1/16	.10	0	560	185	560	185	—	—	150*	150*	295	EPR	8	9	S311GF02C3BC5
	5/64	.15	0	400	150	400	150	—	—	150*	150*	295	EPR	8	9	S311GF02C3BC7
	3/32	.21	0	300	130	300	130	—	—	150*	130*	295	EPR	8	9	S311GF02C3BC9
	7/64	.14	0	210	90	210	90	—	—	150*	90*	295	EPR	8	9	S311GF02C3BD3
	1/8	.32	0	155	60	155	60	—	—	150*	60*	295	EPR	8	9	S311GF02C3BD5
	5/32	.43	0	105	35	105	35	—	—	105*	35*	295	EPR	8	9	S311GF02C3BD7
	3/16	.49	0	75	20	75	20	—	—	75*	20*	295	EPR	8	9	S311GF02C3BE1
	1/4	.85	0	50	20	50	20	—	—	50*	20*	295	EPR	8	9	S311GF02C3BE7
9/32	1.0	0	35	15	35	15	—	—	35*	15*	295	EPR	8	9	S311GF02C3BF1	
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	180	Nitrile	8	9	S311GF02N3BC1
	3/64	.05	0	770	420	770	420	770	420	—	—	180	Nitrile	8	9	S311GF02N3BC3
	1/16	.10	0	560	185	560	185	560	185	—	—	180	Nitrile	8	9	S311GF02N3BC5
	5/64	.15	0	400	150	400	150	400	150	—	—	180	Nitrile	8	9	S311GF02N3BC5
	3/32	.21	0	300	130	300	130	300	130	—	—	180	Nitrile	8	9	S311GF02N3BC9
	7/64	.29	0	210	90	210	90	210	90	—	—	180	Nitrile	8	9	S311GF02N3BD3
	1/8	.32	0	155	60	155	60	155	60	—	—	180	Nitrile	8	9	S311GF02N3BD5
	5/32	.43	0	105	35	105	35	105	35	—	—	180	Nitrile	8	9	S311GF02N3BD7
	3/16	.49	0	75	20	75	20	75	20	—	—	180	Nitrile	8	9	S311GF02N3BE1
	1/4	.85	0	50	20	50	20	50	20	—	—	180	Nitrile	8	9	S311GF02N3BE7
9/32	1.0	0	35	15	35	15	35	15	—	—	180	Nitrile	8	9	S311GF02N3BF1	
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	230	Viton	8	9	S311GF02V3BC1
	3/64	.05	0	770	420	770	420	770	420	—	—	230	Viton	8	9	S311GF02V3BC3
	1/16	.10	0	560	185	560	185	560	185	—	—	230	Viton	8	9	S311GF02V3BC5
	5/64	.15	0	400	150	400	150	400	150	—	—	230	Viton	8	9	S311GF02V3BC7
	3/32	.21	0	300	130	300	130	300	130	—	—	230	Viton	8	9	S311GF02V3BC9
	7/64	.29	0	210	90	210	90	210	90	—	—	230	Viton	8	9	S311GF02V3BD3
	1/8	.32	0	155	60	155	60	155	60	—	—	230	Viton	8	9	S311GF02V3BD5
	5/32	.43	0	105	35	105	35	105	35	—	—	230	Viton	8	9	S311GF02V3BD7
	3/16	.49	0	75	20	75	20	75	20	—	—	230	Viton	8	9	S311GF02V3BE1
	1/4	.85	0	50	20	50	20	50	20	—	—	230	Viton	8	9	S311GF02V3BE7
9/32	1.0	0	35	15	35	15	35	15	—	—	230	Viton	8	9	S311GF02V3BF1	

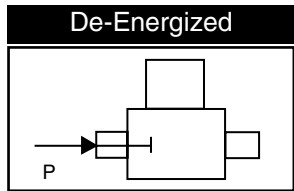
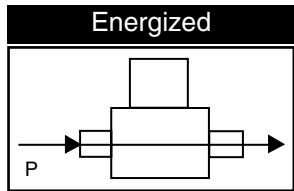
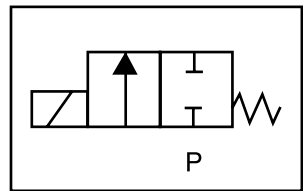
\* Class H Coil Recommended for Steam and Other High Temperature Applications

# S311 – 1/4" NPT, Stainless Steel Body, Normally Closed



## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Stainless Steel Body
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Rulon	8	9	S311GF02R3BC1
	3/64	.05	0	770	420	770	420	770	420	150*	150*	366	Rulon	8	9	S311GF02R3BC3
	1/16	.10	0	560	185	560	185	560	185	150*	150*	366	Rulon	8	9	S311GF02R3BC5
	5/64	.15	0	400	150	400	150	400	150	150*	150*	366	Rulon	8	9	S311GF02R3BC7
	3/32	.21	0	300	130	300	130	300	130	150*	130*	366	Rulon	8	9	S311GF02R3BC9
	7/64	.29	0	210	90	210	90	210	90	150*	90*	366	Rulon	8	9	S311GF02R3BD3
	1/8	.32	0	155	60	155	60	155	60	150*	60*	366	Rulon	8	9	S311GF02R3BD5
	5/32	.43	0	105	35	105	35	105	35	105*	35*	366	Rulon	8	9	S311GF02R3BD7
	3/16	.49	0	75	20	75	20	75	20	75*	20*	366	Rulon	8	9	S311GF02R3BE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Rulon	8	9	S311GF02R3BE7
9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Rulon	8	9	S311GF02R3BF1	
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Teflon	8	9	S311GF02T3BC1
	3/64	.05	0	770	420	770	420	770	420	150*	150*	366	Teflon	8	9	S311GF02T3BC3
	1/16	.10	0	560	185	560	185	560	185	150*	150*	366	Teflon	8	9	S311GF02T3BC5
	5/64	.15	0	400	150	400	150	400	150	150*	150*	366	Teflon	8	9	S311GF02T3BC7
	3/32	.21	0	300	130	300	130	300	130	150*	130*	366	Teflon	8	9	S311GF02T3BC9
	7/64	.29	0	210	90	210	90	210	90	150*	90*	366	Teflon	8	9	S311GF02T3BD3
	1/8	.32	0	155	60	155	60	155	60	150*	60*	366	Teflon	8	9	S311GF02T3BD5
	5/32	.43	0	105	35	105	35	105	35	105*	35*	366	Teflon	8	9	S311GF02T3BD7
	3/16	.49	0	75	20	75	20	75	20	75*	20*	366	Teflon	8	9	S311GF02T3BE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Teflon	8	9	S311GF02T3BE7
9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Teflon	8	9	S311GF02T3BF1	

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





# S311 – 1/4" NPT, Stainless Steel Body, Normally Closed

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>C</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S31			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	3: Stainless Steel	B: 1/4" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C7: 5/64" C9: 3/32" D3: 7/64" D5: 1/8" D7: 5/32" E1: 3/16" E7: 1/4" F1: 9/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	36	36
	Holding	13	14

## 1/4" NPT Brass Body 2-Way Direct Acting Normally Open



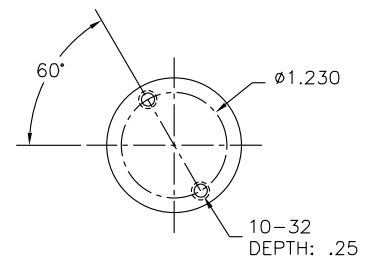
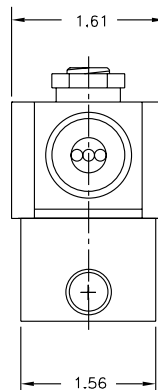
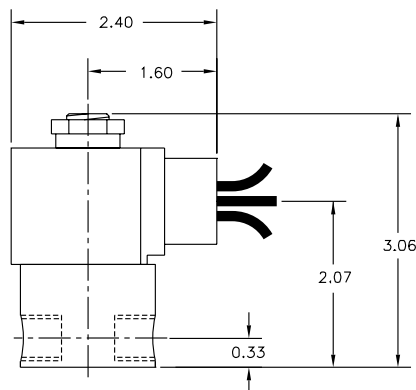
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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### Dimensions/Weight

**Weight (lbs.)**  
0.9

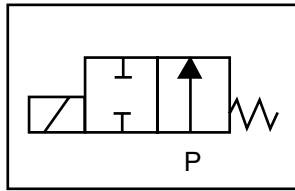




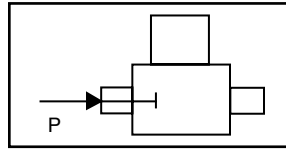
# S312 – 1/4" NPT, Brass Body, Normally Open

## Valve Selection List

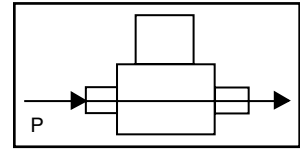
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC
1/4	1/32	.03	0	2000	2000	2000	2000	—	—	150*	150*	295	EPR	8	9	S312GF02C8BC1
	3/64	.05	0	350	350	350	350	—	—	150*	150*	295	EPR	8	9	S312GF02C8BC3
	1/16	.10	0	200	200	200	200	—	—	150*	150*	295	EPR	8	9	S312GF02C8BC5
	5/64	.15	0	140	140	140	140	—	—	140*	140*	295	EPR	8	9	S312GF02C8BC7
	3/32	.20	0	105	105	105	105	—	—	105*	105*	295	EPR	8	9	S312GF02C8BC9
	7/64	.25	0	80	80	80	80	—	—	80*	80*	295	EPR	8	9	S312GF02C8BD3
	1/8	.30	0	60	60	60	60	—	—	60*	60*	295	EPR	8	9	S312GF02C8BD5
3/16	.65	0	30	30	30	30	—	—	30*	30*	295	EPR	8	9	S312GF02C8BE1	
1/4	1/32	.03	0	2000	2000	2000	2000	—	—	—	—	180	Nitrile	8	9	S312GF02N8BC1
	3/64	.05	0	350	350	350	350	350	350	—	—	180	Nitrile	8	9	S312GF02N8BC3
	1/16	.10	0	200	200	200	200	200	200	—	—	180	Nitrile	8	9	S312GF02N8BC5
	5/64	.15	0	140	140	140	140	140	140	—	—	180	Nitrile	8	9	S312GF02N8BC7
	3/32	.20	0	105	105	105	105	105	105	—	—	180	Nitrile	8	9	S312GF02N8BC9
	7/64	.25	0	80	80	80	80	80	80	—	—	180	Nitrile	8	9	S312GF02N8BD3
	1/8	.30	0	60	60	60	60	60	60	—	—	180	Nitrile	8	9	S312GF02N8BD5
3/16	.65	0	30	30	30	30	30	30	—	—	180	Nitrile	8	9	S312GF02N8BE1	
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	230	Viton	8	9	S312GF02V8BC1
	3/64	.05	0	350	350	350	350	350	350	—	—	230	Viton	8	9	S312GF02V8BC3
	1/16	.10	0	200	200	200	200	200	200	—	—	230	Viton	8	9	S312GF02V8BC5
	5/64	.15	0	140	140	140	140	140	140	—	—	230	Viton	8	9	S312GF02V8BC7
	3/32	.20	0	105	105	105	105	105	105	—	—	230	Viton	8	9	S312GF02V8BC9
	7/64	.25	0	80	80	80	80	80	80	—	—	230	Viton	8	9	S312GF02V8BD3
	1/8	.30	0	60	60	60	60	60	60	—	—	230	Viton	8	9	S312GF02V8BD5
3/16	.65	0	30	30	30	30	30	30	—	—	230	Viton	8	9	S312GF02V8BE1	
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Rulon	8	9	S312GF02R8BC1
	3/64	.05	0	350	350	350	350	350	350	150*	150*	366	Rulon	8	9	S312GF02R8BC3
	1/16	.10	0	200	200	200	200	200	200	150*	150*	366	Rulon	8	9	S312GF02R8BC5
	5/64	.15	0	140	140	140	140	140	140	140*	140*	366	Rulon	8	9	S312GF02R8BC7
	3/32	.20	0	105	105	105	105	105	105	105*	105*	366	Rulon	8	9	S312GF02R8BC9
	7/64	.25	0	40	40	40	40	40	40	40*	40*	366	Rulon	8	9	S312GF02R8BD3
	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Rulon	8	9	S312GF02R8BD5
3/16	.65	0	30	30	30	30	30	30	30*	30*	366	Rulon	8	9	S312GF02R8BE1	
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Teflon	8	9	S312GF02T8BC1
	3/64	.05	0	350	350	350	350	350	350	150*	150*	366	Teflon	8	9	S312GF02T8BC3
	1/16	.10	0	200	200	200	200	200	200	150*	150*	366	Teflon	8	9	S312GF02T8BC5
	5/64	.15	0	140	140	140	140	140	140	140*	140*	366	Teflon	8	9	S312GF02T8BC7
	3/32	.20	0	105	105	105	105	105	105	105*	105*	366	Teflon	8	9	S312GF02T8BC9
	7/64	.25	0	80	80	80	80	80	80	80*	80*	366	Teflon	8	9	S312GF02T8BD3
	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Teflon	8	9	S312GF02T8BD5
3/16	.65	0	30	30	30	30	30	30	30*	30*	366	Teflon	8	9	S312GF02T8BE1	

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

# S312 – 1/4" NPT, Brass Body, Normally Open



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>B</b>	<b>C</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S31			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	8: Brass	B: 1/4" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C9: 3/32" D5: 1/8" E1: 3/16"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	18

## 1/4" NPT Stainless Steel 2-Way Direct Acting Normally Open



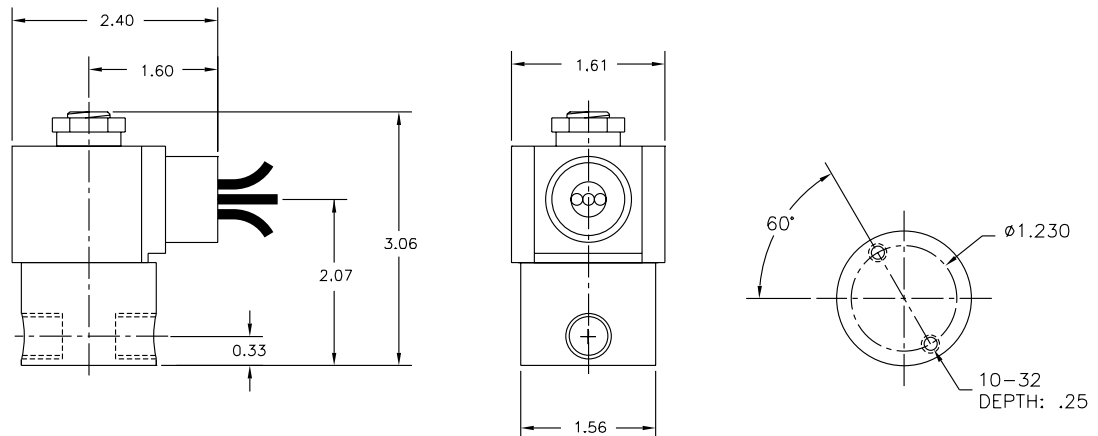
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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### Dimensions/Weight

<b>Weight (lbs.)</b>
0.9

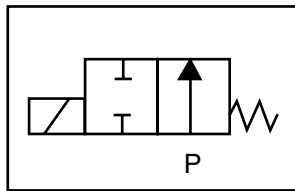




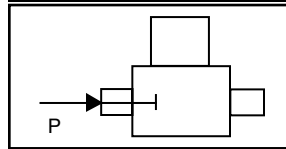
# S312 – 1/4" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

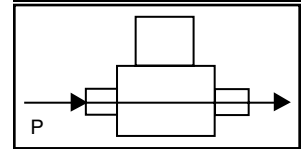
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Operating Pressure Differential (psi)										Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown	
			Minimum	Maximum								AC			DC	Stainless Steel Body		
				Air/Gas		Water		Light Oil		Steam*								
				AC	DC	AC	DC	AC	DC	AC	DC							
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	150*	150*	295	EPR	8	9	S312GF02C2BC1
	3/64	.05	0	350	350	350	350	350	350	—	—	150*	150*	295	EPR	8	9	S312GF02C3BC3
	1/16	.10	0	200	200	200	200	200	200	—	—	150*	150*	295	EPR	8	9	S312GF02C3BC5
	5/64	.15	0	140	140	140	140	140	140	—	—	140*	140*	295	EPR	8	9	S312GF02C3BC7
	3/32	.22	0	105	105	105	105	105	105	—	—	105*	105*	295	EPR	8	9	S312GF02C3BC9
	7/64	.25	0	80	80	80	80	80	80	—	—	80*	80*	295	EPR	8	9	S312GF02C3BD3
	1/8	.30	0	60	60	60	60	60	60	—	—	60*	60*	295	EPR	8	9	S312GF02C3BD5
3/16	.65	0	30	30	30	30	30	30	—	—	30*	30*	295	EPR	8	9	S312GF02C3BE1	
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	180	180	180	Nitrile	8	9	S312GF02N2BC1
	3/64	.05	0	350	350	350	350	350	350	—	—	180	180	180	Nitrile	8	9	S312GF02N3BC3
	1/16	.10	0	200	200	200	200	200	200	—	—	180	180	180	Nitrile	8	9	S312GF02N3BC5
	5/64	.15	0	140	140	140	140	140	140	—	—	180	180	180	Nitrile	8	9	S312GF02N3BC7
	3/32	.20	0	105	105	105	105	105	105	—	—	180	180	180	Nitrile	8	9	S312GF02N3BC9
	7/64	.25	0	80	80	80	80	80	80	—	—	180	180	180	Nitrile	8	9	S312GF02N3BD3
	1/8	.30	0	60	60	60	60	60	60	—	—	180	180	180	Nitrile	8	9	S312GF02N3BD5
3/16	.65	0	30	30	30	30	30	30	—	—	180	180	180	Nitrile	8	9	S312GF02N3BE1	
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	—	—	230	230	230	Viton	8	9	S312GF02V2ABC1
	3/64	.05	0	350	350	350	350	350	350	—	—	230	230	230	Viton	8	9	S312GF02V3BC3
	1/16	.10	0	200	200	200	200	200	200	—	—	230	230	230	Viton	8	9	S312GF02V3BC5
	5/64	.15	0	140	140	140	140	140	140	—	—	230	230	230	Viton	8	9	S312GF02V3BC7
	3/32	.20	0	105	105	105	105	105	105	—	—	230	230	230	Viton	8	9	S312GF02V3BC9
	7/64	.25	0	80	80	80	80	80	80	—	—	230	230	230	Viton	8	9	S312GF02V3BD3
	1/8	.30	0	60	60	60	60	60	60	—	—	230	230	230	Viton	8	9	S312GF02V3BD5
3/16	.65	0	30	30	30	30	30	30	—	—	230	230	230	Viton	8	9	S312GF02V3BE1	
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	366	366	Rulon	8	9	S312GF02R2BC1
	3/64	.05	0	350	350	350	350	350	350	150*	150*	366	366	366	Rulon	8	9	S312GF02R3BC3
	1/16	.10	0	200	200	200	200	200	200	150*	150*	366	366	366	Rulon	8	9	S312GF02R3BC5
	5/64	.15	0	140	140	140	140	140	140	140*	140*	366	366	366	Rulon	8	9	S312GF02R3BC7
	3/32	.20	0	105	105	105	105	105	105	105*	105*	366	366	366	Rulon	8	9	S312GF02R3BC9
	7/64	.25	0	80	80	80	80	80	80	80*	80*	366	366	366	Rulon	8	9	S312GF02R3BD3
	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	366	366	Rulon	8	9	S312GF02R3BD5
3/16	.65	0	30	30	30	30	30	30	30*	30*	366	366	366	Rulon	8	9	S312GF02R3BE1	
1/4	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	366	366	Teflon	8	9	S312GF02T2BC1
	3/64	.05	0	350	350	350	350	350	350	150*	150*	366	366	366	Teflon	8	9	S312GF02T3BC3
	1/16	.10	0	200	200	200	200	200	200	150*	150*	366	366	366	Teflon	8	9	S312GF02T3BC5
	5/64	.15	0	140	140	140	140	140	140	140*	140*	366	366	366	Teflon	8	9	S312GF02T3BC7
	3/32	.20	0	105	105	105	105	105	105	105*	105*	366	366	366	Teflon	8	9	S312GF02T3BC9
	7/64	.25	0	80	80	80	80	80	80	80*	80*	366	366	366	Teflon	8	9	S312GF02T3BD3
	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	366	366	Teflon	8	9	S312GF02T3BD5
3/16	.65	0	30	30	30	30	30	30	30*	30*	366	366	366	Teflon	8	9	S312GF02T3BE1	

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

# S312 – 1/4" NPT, Stainless Steel Body, Normally Open



## Part Numbering

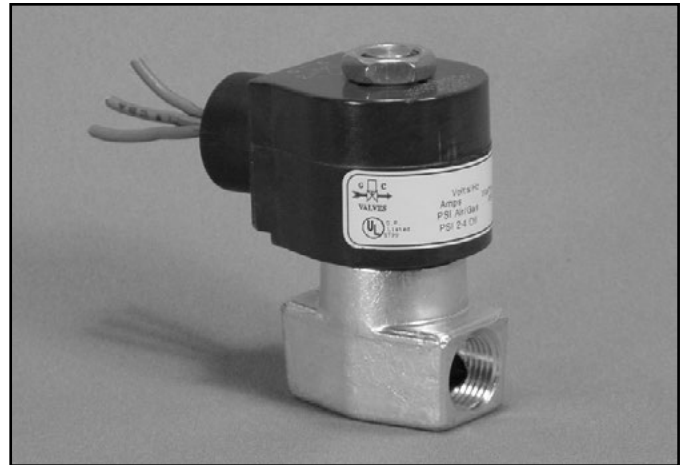
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S31			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	3: Stainless Steel	B: 1/4" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C9: 3/32" D5: 1/8" E1: 3/16"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	18

## 3/8" NPT Brass Body 2-Way Direct Acting Normally Closed



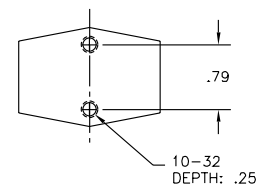
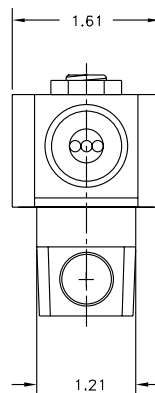
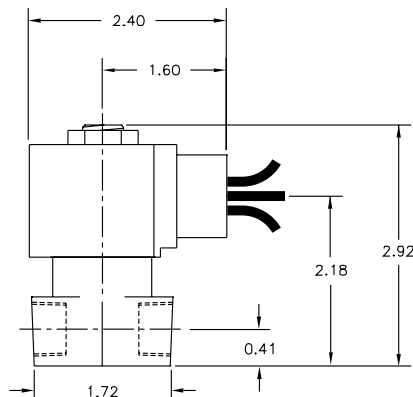
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Safety Shutoff, UL Listed, UL Recognized, CSA Approved, FM Certified

\* Not available for all variations

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### Dimensions/Weight

**Weight (lbs.)**  
1.1



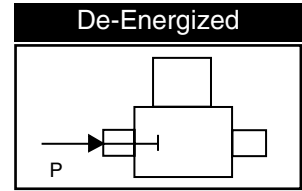
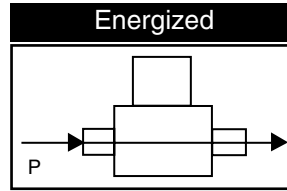
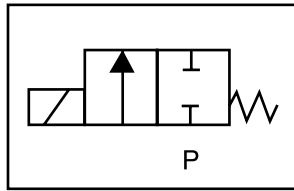




# S311 – 3/8" NPT, Brass Body, Normally Closed

## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Brass Body
3/8	1/8	.32	0	155	60	155	60	—	—	155*	60*	295	EPR	8	9	S311GF02C9CD5
	3/16	.49	0	75	20	75	20	—	—	75*	20*	295	EPR	8	9	S311GF02C9CE1
	1/4	.85	0	35	15	35	15	—	—	35*	15*	295	EPR	8	9	S311GF02C9CE7
	9/32	1.0	0	20	10	20	10	—	—	20*	10*	295	EPR	8	9	S311GF02C9CF1
	3/8	1.3	0	15	5	15	5	—	—	15*	5*	295	EPR	8	9	S311GF02C9CF5
3/8	1/8	.32	0	155	60	155	60	155	60	—	—	180	Nitrile	8	9	S311GF02N9CD5
	3/16	.49	0	75	20	75	20	75	20	—	—	180	Nitrile	8	9	S311GF02N9CE1
	1/4	.85	0	35	15	35	15	35	15	—	—	180	Nitrile	8	9	S311GF02N9CE7
	9/32	1.0	0	20	10	20	10	20	10	—	—	180	Nitrile	8	9	S311GF02N9CF1
	3/8	1.3	0	15	5	15	5	15	5	—	—	180	Nitrile	8	9	S311GF02N9CF5
3/8	1/8	.32	0	155	60	155	60	155	60	—	—	230	Viton	8	9	S311GF02V9CD5
	3/16	.49	0	75	20	75	20	75	20	—	—	230	Viton	8	9	S311GF02V9CE1
	1/4	.85	0	35	15	35	15	35	15	—	—	230	Viton	8	9	S311GF02V9CE7
	9/32	1.0	0	20	10	20	10	20	10	—	—	230	Viton	8	9	S311GF02V9CF1
	3/8	1.3	0	15	5	15	5	15	5	—	—	230	Viton	8	9	S311GF02V9CF5
3/8	1/8	.32	0	155	60	155	60	155	60	150*	60*	366	Rulon	8	9	S311GF02R9CD5
	3/16	.49	0	75	20	75	20	75	20	75*	20*	366	Rulon	8	9	S311GF02R9CE1
	1/4	.85	0	35	15	35	15	35	15	35*	15*	366	Rulon	8	9	S311GF02R9CE7
	9/32	1.0	0	20	10	20	10	20	10	20*	10*	366	Rulon	8	9	S311GF02R9CF1
	3/8	1.3	0	15	5	15	5	15	5	15*	5*	366	Rulon	8	9	S311GF02R9CF5
3/8	1/8	.32	0	155	60	155	60	155	60	150*	60*	366	Teflon	8	9	S311GF02T9CD5
	3/16	.49	0	75	20	75	20	75	20	75*	20*	366	Teflon	8	9	S311GF02T9CE1
	1/4	.85	0	35	15	35	15	35	15	35*	15*	366	Teflon	8	9	S311GF02T9CE7
	9/32	1.0	0	20	10	20	10	20	10	20*	10*	366	Teflon	8	9	S311GF02T9CF1
	3/8	1.3	0	15	5	15	5	15	5	15*	5*	366	Teflon	8	9	S311GF02T9CF5

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

# S311 – 3/8" NPT, Brass Body, Normally Closed



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>9</b>	<b>C</b>	<b>D</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S31			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	9: Forged Brass	C: 3/8" NPT	D5: 1/8" E1: 3/16" E7: 1/4" F1: 9/32" F5: 3/8"®	
* See the "Engineering Guide" for additional voltages, variations and options.												

®Brass

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	13

## 3/8" NPT Stainless Steel Body 2-Way Direct Acting Normally Closed

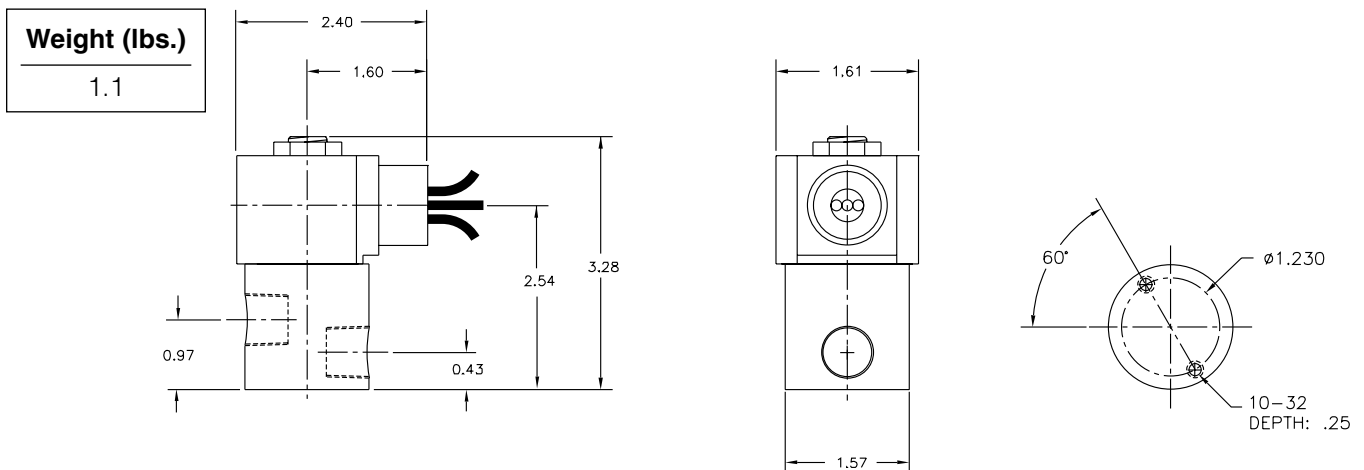


Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Safety Shutoff, UL Listed, UL Recognized, CSA Approved, FM Certified

\* Not available for all variations

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### Dimensions/Weight

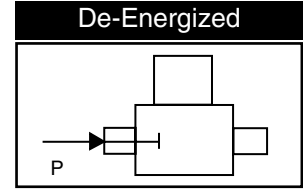
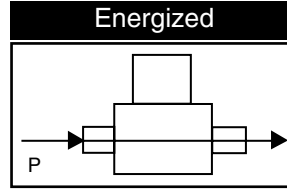
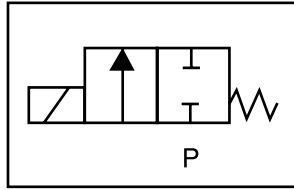




# S311 – 3/8" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Stainless Steel Body
3/8	1/8	.32	0	155	60	155	60	—	—	150*	60*	295	EPR	8	9	S311GF02C3CD5
	3/16	.49	0	75	20	75	20	—	—	75*	20*	295	EPR	8	9	S311GF02C3CE1
	1/4	.85	0	50	20	50	20	—	—	50*	20*	295	EPR	8	9	S311GF02C3CE7
	9/32	1.0	0	35	15	35	15	—	—	35*	15*	295	EPR	8	9	S311GF02C3CF1
	3/8	1.3	0	15	5	15	5	—	—	15*	5*	295	EPR	8	9	S311GF02C3CF5
3/8	1/8	.32	0	155	60	155	60	155	60	—	—	180	Nitrile	8	9	S311GF02N3CD5
	3/16	.49	0	75	20	75	20	75	20	—	—	180	Nitrile	8	9	S311GF02N3CE1
	1/4	.85	0	50	20	50	20	50	20	—	—	180	Nitrile	8	9	S311GF02N3CE7
	9/32	1.0	0	35	15	35	15	35	15	—	—	180	Nitrile	8	9	S311GF02N3CF1
	3/8	1.3	0	15	5	15	5	15	5	—	—	180	Nitrile	8	9	S311GF02N3CF5
3/8	1/8	.32	0	155	60	155	60	155	60	—	—	230	Viton	8	9	S311GF02V3CD5
	3/16	.49	0	75	20	75	20	75	20	—	—	230	Viton	8	9	S311GF02V3CE1
	1/4	.85	0	50	20	50	20	50	20	—	—	230	Viton	8	9	S311GF02V3CE7
	9/32	1.0	0	35	15	35	15	35	15	—	—	230	Viton	8	9	S311GF02V3CF1
	3/8	1.3	0	15	5	15	5	15	5	—	—	230	Viton	8	9	S311GF02V3CF5
3/8	1/8	.32	0	155	60	155	60	155	60	150*	60*	366	Rulon	8	9	S311GF02R3CD5
	3/16	.49	0	75	20	75	20	75	20	75*	20*	366	Rulon	8	9	S311GF02R3CE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Rulon	8	9	S311GF02R3CE7
	9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Rulon	8	9	S311GF02R3CF1
	3/8	1.3	0	15	5	15	5	15	5	15*	5*	366	Rulon	8	9	S311GF02R3CF5
3/8	1/8	.32	0	155	60	155	60	155	60	150*	60*	366	Teflon	8	9	S311GF02T3CD5
	3/16	.49	0	75	20	75	20	75	20	75*	20*	366	Teflon	8	9	S311GF02T3CE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Teflon	8	9	S311GF02T3CE7
	9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Teflon	8	9	S311GF02T3CF1
	3/8	1.3	0	15	5	15	5	15	5	15*	5*	366	Teflon	8	9	S311GF02T3CF5

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

# S311 – 3/8" NPT, Stainless Steel Body, Normally Closed



## Part Numbering

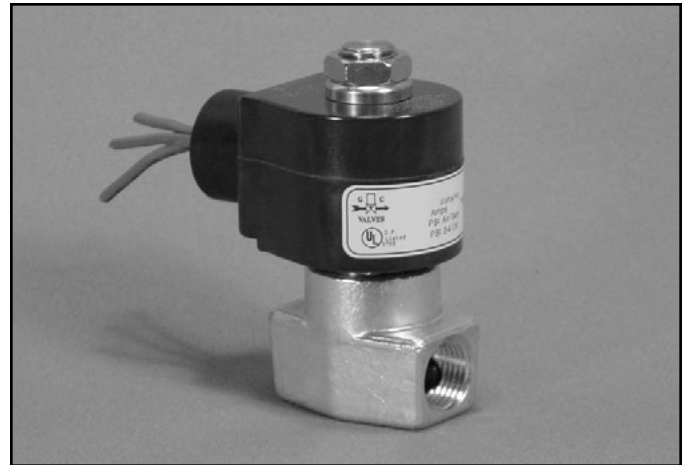
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S31			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	3: Stainless Steel	C: 3/8" NPT	D5: 1/8" E1: 3/16" E7: 1/4" F1: 9/32" F5: 3/8"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	13
		14

## 3/8" NPT Brass Body 2-Way Direct Acting Normally Open



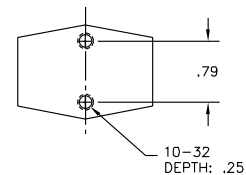
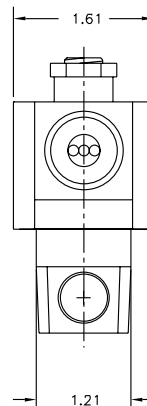
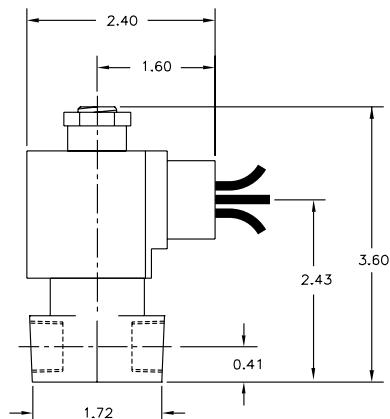
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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### Dimensions/Weight

**Weight (lbs.)**  
0.9

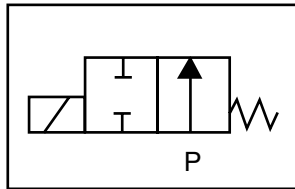




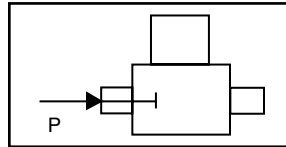
# S312 – 3/8" NPT, Brass Body, Normally Open

## Valve Selection List

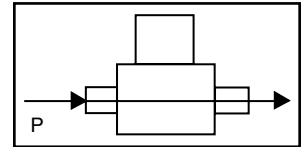
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Operating Pressure Differential (psi)										Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
			Maximum												AC	DC	
			Air/Gas		Water		Light Oil		Steam*		AC	DC					
			AC	DC	AC	DC	AC	DC	AC	DC							AC
3/8	1/8	.30	0	60	60	60	60	—	—	60*	60*	295	EPR	8	9	S312GF02C9CD5	
	3/16	.65	0	30	30	30	30	—	—	30*	30*	295	EPR	8	9	S312GF02C9CE1	
3/8	1/8	.30	0	60	60	60	60	60	60	—	—	180	Nitrile	8	9	S312GF02N9CD5	
	3/16	.65	0	30	30	30	30	30	30	—	—	180	Nitrile	8	9	S312GF02N9CE1	
3/8	1/8	.30	0	60	60	60	60	60	60	—	—	230	Viton	8	9	S312GF02V9CD5	
	3/16	.65	0	30	30	30	30	30	30	—	—	230	Viton	8	9	S312GF02V9CE1	
3/8	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Rulon	8	9	S312GF02R9CD5	
	3/16	.65	0	30	30	30	30	30	30	30*	30*	366	Rulon	8	9	S312GF02R9CE1	
3/8	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Teflon	8	9	S312GF02T9CD5	
	3/16	.65	0	30	30	30	30	30	30	30*	30*	366	Teflon	8	9	S312GF02T9CE1	

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

# S312 – 3/8" NPT, Brass Body, Normally Open



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>9</b>	<b>C</b>	<b>D</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S31			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	9: Forged Brass	C: 3/8" NPT	D5: 1/8" E1: 3/16"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	18



## 3/8" NPT Stainless Steel 2-Way Direct Acting Normally Open

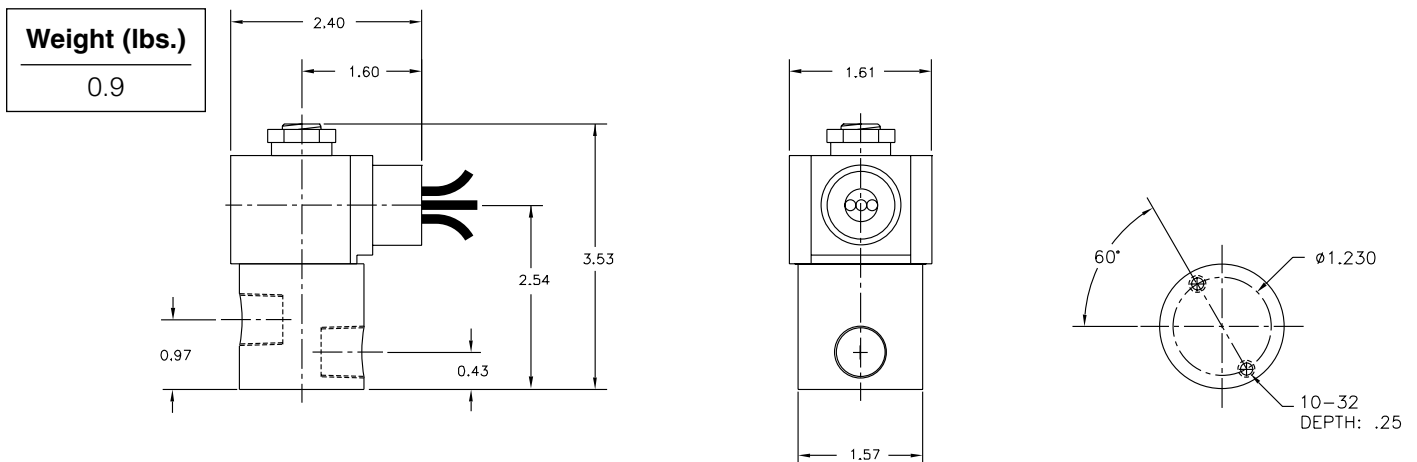


Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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### Dimensions/Weight

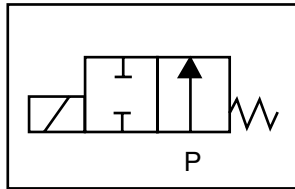




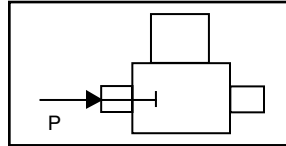
# S312 – 3/8" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

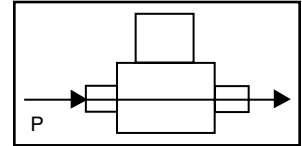
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size in.	C <sub>v</sub>	Operating Pressure Differential (psi)										Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
			Maximum												AC	DC	
			Air/Gas		Water		Light Oil		Steam*								
			AC	DC	AC	DC	AC	DC	AC	DC	AC	DC					Stainless Steel Body
3/8	1/8	.30	0	60	60	60	60	—	—	60*	60*	295	EPR	8	9	S312GF02C3CD5	
	3/16	.65	0	30	30	30	30	—	—	30*	30*	295	EPR	8	9	S312GF02C3CE1	
3/8	1/8	.30	0	60	60	60	60	60	60	—	—	180	Nitrile	8	9	S312GF02N3CD5	
	3/16	.65	0	30	30	30	30	30	30	—	—	180	Nitrile	8	9	S312GF02N3CE1	
3/8	1/8	.30	0	60	60	60	60	60	60	—	—	230	Viton	8	9	S312GF02V3CD5	
	3/16	.65	0	30	30	30	30	30	30	—	—	230	Viton	8	9	S312GF02V3CE1	
3/8	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Rulon	8	9	S312GF02R3CD5	
	3/16	.65	0	30	30	30	30	30	30	30*	30*	366	Rulon	8	9	S312GF02R3CE1	
3/8	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Teflon	8	9	S312GF02T3CD5	
	3/16	.65	0	30	30	30	30	30	30	30*	30*	366	Teflon	8	9	S312GF02T3CE1	

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

# S312 – 3/8" NPT, Stainless Steel Body, Normally Open



## Part Numbering

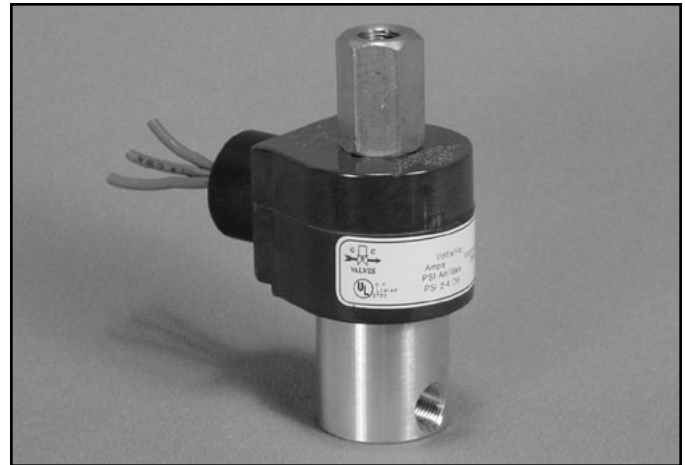
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<b>S</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>3</b>	<b>C</b>	<b>D</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S31			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	3: Stainless Steel	C: 3/8" NPT	D5: 1/8" E1: 3/16"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	36	36
	Holding	18	19

- 1/8" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Closed



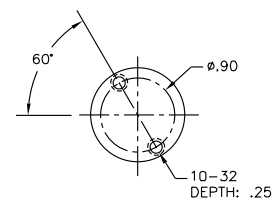
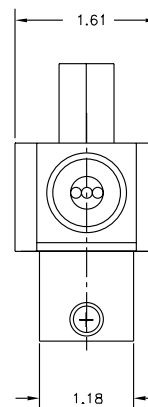
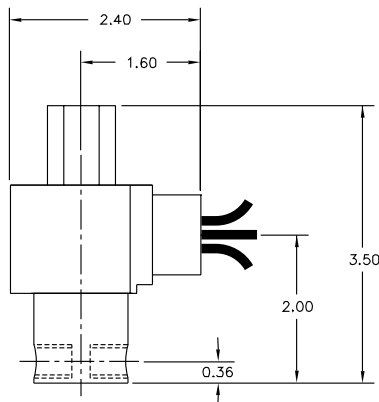
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0

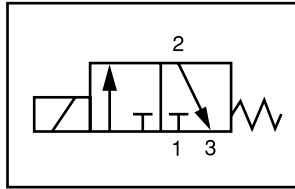




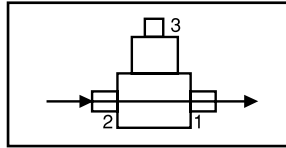
# S313 – 1/8" NPT, Brass Body, Normally Closed

## Valve Selection List

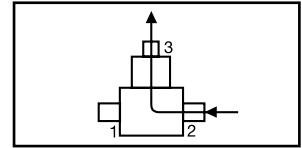
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/8	3/64	1/16	.05	.10	170	170	170	170	—	—	295	EPR	8	9	S313GF02C8AV3
	1/16	1/16	.08	.10	120	120	120	120	—	—	295	EPR	8	9	S313GF02C8AC5
	3/32	3/32	.20	.20	65	65	65	65	—	—	295	EPR	8	9	S313GF02C8AC9
	1/8	3/32	.27	.20	40	40	40	40	—	—	295	EPR	8	9	S313GF02C8AV3
	5/32	3/32	.41	.20	25	25	25	25	—	—	295	EPR	8	9	S313GF02C8AV7
1/8	3/64	1/16	.05	.10	170	170	170	170	170	170	180	Nitrile	8	9	S313GF02N8AV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	180	Nitrile	8	9	S313GF02N8AC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	180	Nitrile	8	9	S313GF02N8AC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	180	Nitrile	8	9	S313GF02N8AV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	180	Nitrile	8	9	S313GF02N8AV7
1/8	3/64	1/16	.05	.10	170	170	170	170	170	170	230	Viton	8	9	S313GF02V8AV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	230	Viton	8	9	S313GF02V8AC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	230	Viton	8	9	S313GF02V8AC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	230	Viton	8	9	S313GF02V8AV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	230	Viton	8	9	S313GF02V8AV7
1/8	3/64	1/16	.05	.10	170	170	170	170	170	170	366*	Teflon	8	9	S313GF02T8AV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	366*	Teflon	8	9	S313GF02T8AC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	366*	Teflon	8	9	S313GF02T8AC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	366*	Teflon	8	9	S313GF02T8AV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	366*	Teflon	8	9	S313GF02T8AV7

\* Class H Coil Recommended for High Temperature Applications

# S313 – 1/8" NPT, Brass Body, Normally Closed



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>A</b>	<b>V</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	A: 1/8" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

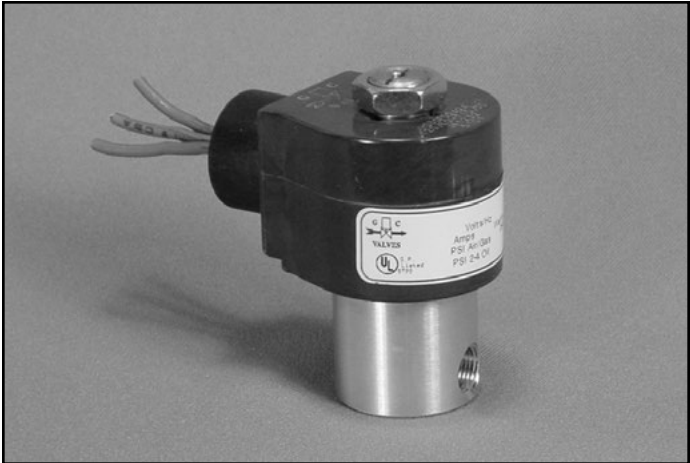
## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16



- 1/8" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Closed
- Free Exhaust



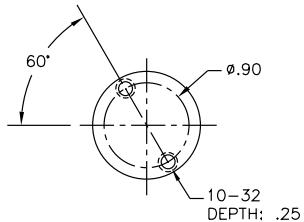
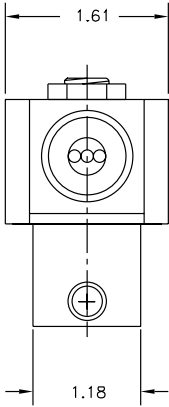
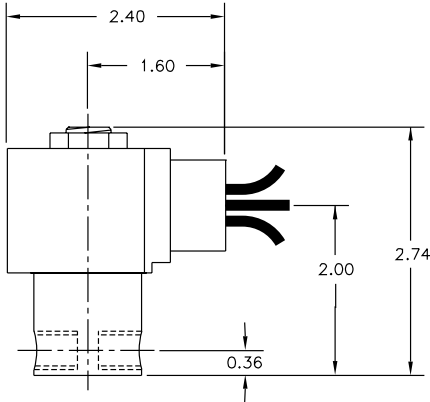
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations.

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0

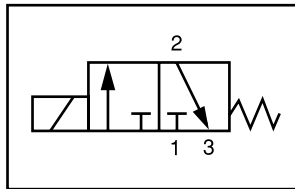




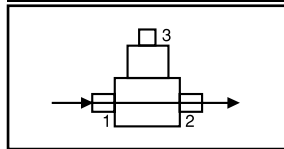
# S317 – 1/8" NPT, Brass Body, Normally Closed, Free Exhaust

## Valve Selection List

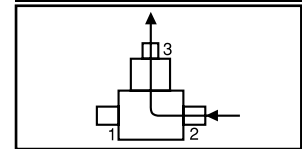
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Air/Gas		Water		Light Oil				AC	DC	
					AC	DC	AC	DC	AC	DC					
	Brass Body														
1/8	3/64	1/16	.05	.10	170	170	170	170	—	—	295	EPR	8	9	S317GF02C8AV1
	1/16	1/16	.08	.10	120	120	120	120	—	—	295	EPR	8	9	S317GF02C8AC5
	3/32	3/32	.20	.20	65	65	65	65	—	—	295	EPR	8	9	S317GF02C8AC9
	1/8	3/32	.27	.20	40	40	40	40	—	—	295	EPR	8	9	S317GF02C8AV3
	5/32	3/32	.41	.20	25	25	25	25	—	—	295	EPR	8	9	S317GF02C8AV7
1/8	3/64	1/16	.05	.10	170	170	170	170	170	170	180	Nitrile	8	9	S317GF02N8AV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	180	Nitrile	8	9	S317GF02N8AC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	180	Nitrile	8	9	S317GF02N8AC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	180	Nitrile	8	9	S317GF02N8AV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	180	Nitrile	8	9	S317GF02N8AV7
1/8	3/64	1/16	.05	.10	170	170	170	170	170	170	230	Viton	8	9	S317GF02V8AV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	230	Viton	8	9	S317GF02V8AC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	230	Viton	8	9	S317GF02V8AC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	230	Viton	8	9	S317GF02V8AV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	230	Viton	8	9	S317GF02V8AV7
1/8	3/64	1/16	.05	.10	170	170	170	170	170	170	366*	Teflon	8	9	S317GF02T8AV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	366*	Teflon	8	9	S317GF02T8AC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	366*	Teflon	8	9	S317GF02T8AC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	366*	Teflon	8	9	S317GF02T8AV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	366*	Teflon	8	9	S317GF02T8AV7

\* Class H Coil Recommended for High Temperature Applications



# S317 – 1/8" NPT, Brass Body, Normally Closed, Free Exhaust



## Part Numbering

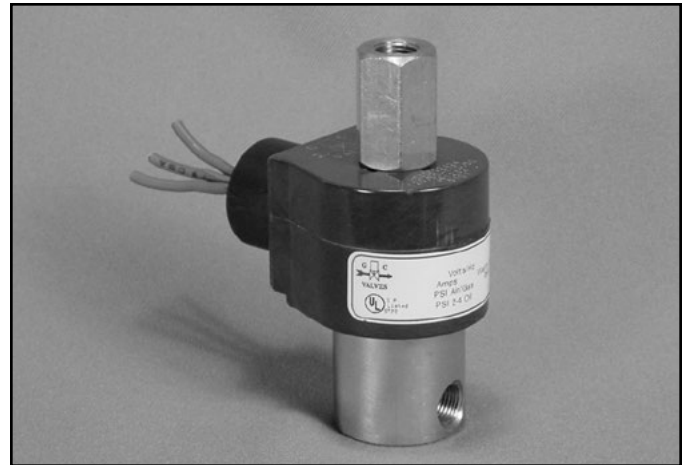
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<b>S</b>	<b>3</b>	<b>1</b>	<b>7</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>A</b>	<b>V</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			7: Normally Closed (Free Exhaust)	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	A: 1/8" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

- 1/8" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Closed



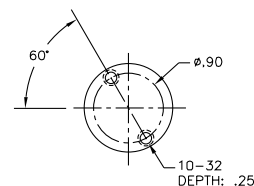
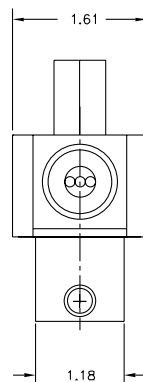
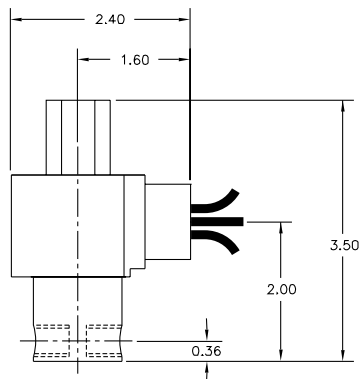
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0

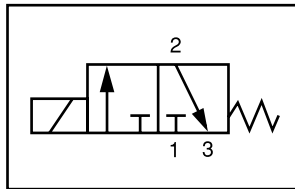




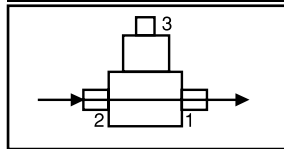
# S313 – 1/8" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

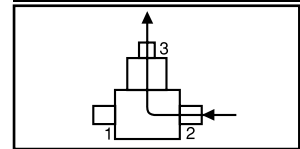
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/8	3/64	1/16	.05	.10	170	170	170	170	—	—	295	EPR	8	9	S313GF02C2AV1
	1/16	1/16	.08	.10	120	120	120	120	—	—	295	EPR	8	9	S313GF02C2AC5
	3/32	3/32	.20	.20	65	65	65	65	—	—	295	EPR	8	9	S313GF02C2AC9
	1/8	3/32	.27	.20	40	40	40	40	—	—	295	EPR	8	9	S313GF02C2AV3
	5/32	3/32	.41	.20	25	25	25	25	—	—	295	EPR	8	9	S313GF02C2AV7
1/8	3/64	1/16	.05	.10	170	170	170	170	170	170	180	Nitrile	8	9	S313GF02N2AV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	180	Nitrile	8	9	S313GF02N2AC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	180	Nitrile	8	9	S313GF02N2AC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	180	Nitrile	8	9	S313GF02N2AV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	180	Nitrile	8	9	S313GF02N2AV7
1/8	3/64	1/16	.05	.10	170	170	170	170	170	170	230	Viton	8	9	S313GF02V2AV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	230	Viton	8	9	S313GF02V2AC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	230	Viton	8	9	S313GF02V2AC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	230	Viton	8	9	S313GF02V2AV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	230	Viton	8	9	S313GF02V2AV7
1/8	3/64	1/16	.05	.10	170	170	170	170	170	170	366*	Teflon	8	9	S313GF02T2AV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	366*	Teflon	8	9	S313GF02T2AC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	366*	Teflon	8	9	S313GF02T2AC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	366*	Teflon	8	9	S313GF02T2AV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	366*	Teflon	8	9	S313GF02T2AV7

\* Class H Coil Recommended for High Temperature Applications

# S313 – 1/8" NPT, Stainless Steel Body, Normally Closed



## Part Numbering

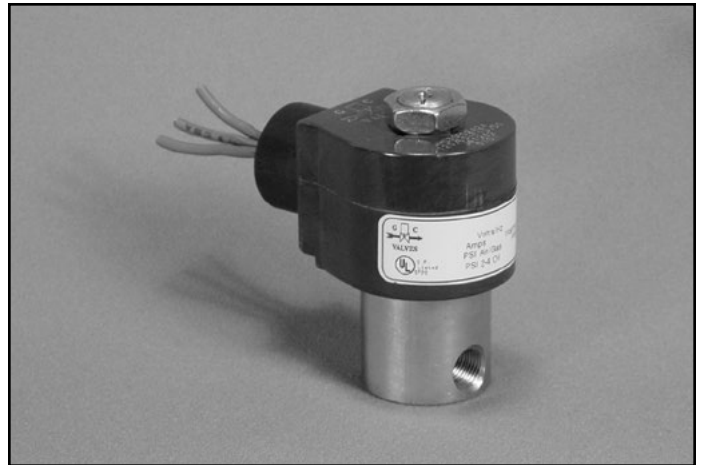
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	2: Stainless Steel	A: 1/8" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

- 1/8" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Closed
- Free Exhaust



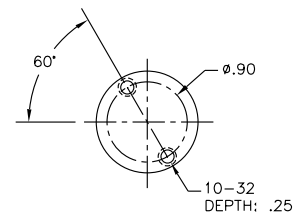
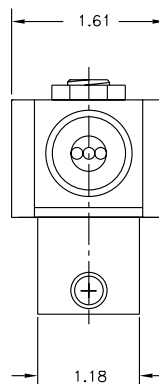
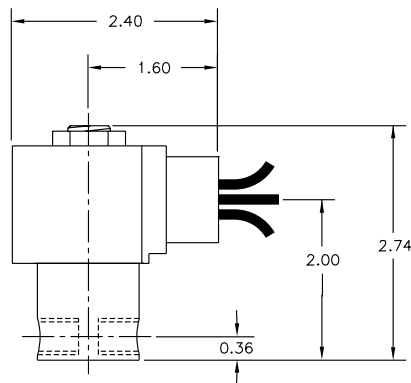
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices: Pilot Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position	Any
Approvals	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0

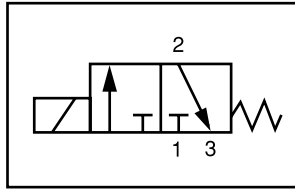




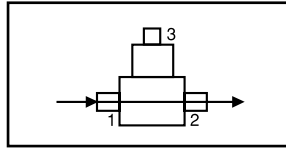
# S317 – 1/8" NPT, Stainless Steel Body, Normally Closed, Free Exhaust

## Valve Selection List

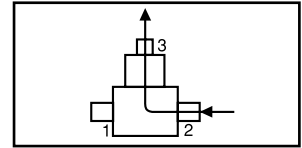
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Air/Gas		Water		Light Oil				AC	DC	
					AC	DC	AC	DC	AC	DC					
	Stainless Steel Body														
1/8	3/64	3/64	.05	.05	170	170	170	170	—	—	295	EPR	8	9	S317GF02C2AC3
	1/64	1/16	.05	.08	120	120	120	120	—	—	295	EPR	8	9	S317GF02C2AC5
	3/32	3/32	.08	.08	65	65	65	65	—	—	295	EPR	8	9	S317GF02C2AC9
	1/8	3/32	.30	.05	40	40	40	40	—	—	295	EPR	8	9	S317GF02C2AV3
	5/32	3/32	.36	.30	25	25	25	25	—	—	295	EPR	8	9	S317GF02C2AV7
1/8	3/64	3/64	.05	.10	170	170	170	170	170	170	180	Nitrile	8	9	S317GF02N2AC3
	1/16	1/16	.08	.10	120	120	120	120	120	120	180	Nitrile	8	9	S317GF02N2AC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	180	Nitrile	8	9	S317GF02N2AC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	180	Nitrile	8	9	S317GF02N2AV3
	5/32	3/32	.41	.23	25	25	25	25	25	25	180	Nitrile	8	9	S317GF02N2AV7
1/8	3/64	3/64	.05	.05	170	170	170	170	170	170	230	Viton	8	9	S317GF02V2AC3
	1/16	3/32	.05	.08	120	120	120	120	120	120	230	Viton	8	9	S317GF02V2AC5
	3/32	3/32	.08	.08	65	65	65	65	65	65	230	Viton	8	9	S317GF02V2AC9
	1/8	3/32	.30	.05	40	40	40	40	40	40	230	Viton	8	9	S317GF02V2AV3
	5/32	3/32	.36	.30	25	25	25	25	25	25	230	Viton	8	9	S317GF02V2AV7
1/8	3/64	3/64	.05	.05	170	170	170	170	170	170	366*	Teflon	8	9	S317GF02T2AC3
	1/16	1/16	.05	.08	120	120	120	120	120	120	366*	Teflon	8	9	S317GF02T2AC5
	3/32	3/32	.08	.08	65	65	65	65	65	65	366*	Teflon	8	9	S317GF02T2AC9
	1/8	3/32	.30	.05	40	40	40	40	40	40	366*	Teflon	8	9	S317GF02T2AV3
	5/32	3/32	.36	.30	25	25	25	25	25	25	366*	Teflon	8	9	S317GF02T2AV7

\* Class H Coil Recommended for High Temperature Applications

# S317 – 1/8" NPT, Stainless Steel Body, Normally Closed, Free Exhaust



## Part Numbering

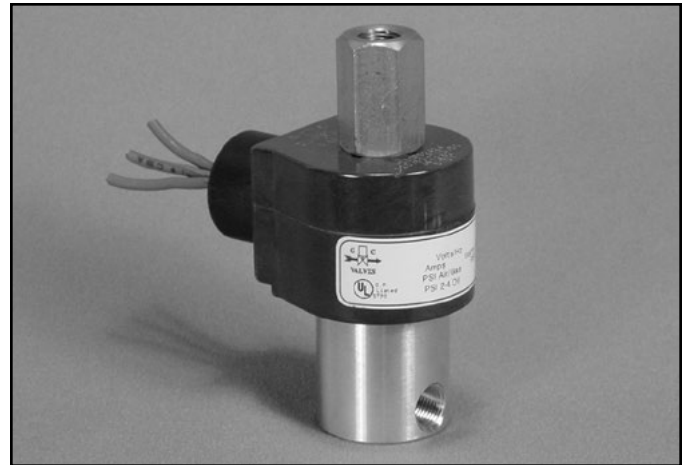
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			7: Normally Closed (Free Exhaust)	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	2: Stainless Steel	A: 1/8" NPT	C3: 3/64" x 3/64" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

- 1/8" NPT
- Brass Body
- 3-Way Direct Acting
- Diverting



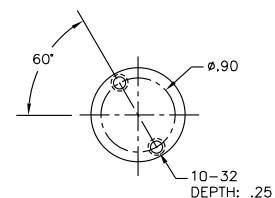
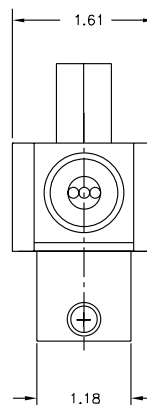
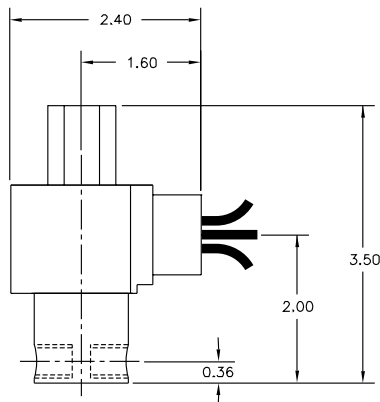
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0



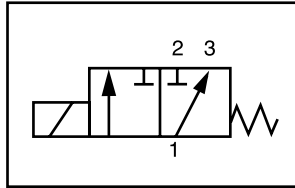




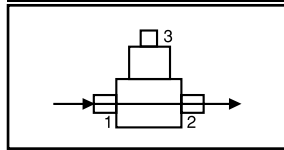
# S315 – 1/8" NPT, Brass Body, Diverting

## Valve Selection List

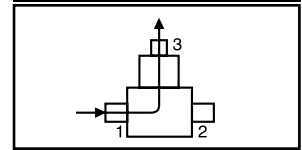
Diverting



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Air/Gas		Water		Light Oil				AC	DC	
					AC	DC	AC	DC	AC	DC					
															Brass Body
1/8	3/64	3/64	.05	.05	200	200	200	200	—	—	295	EPR	8	9	S315GF02C8AC3
	3/64	1/16	.05	.10	175	175	175	175	—	—	295	EPR	8	9	S315GF02C8AV1
	1/16	1/16	.10	.10	150	150	150	150	—	—	295	EPR	8	9	S315GF02C8AC5
	3/32	3/64	.20	.05	140	140	140	140	—	—	295	EPR	8	9	S315GF02C8AW3
	3/32	3/32	.20	.20	130	130	130	130	—	—	295	EPR	8	9	S315GF02C8AC9
	7/64	3/32	.23	.20	100	100	100	100	—	—	295	EPR	8	9	S315GF02C8AV5
	1/8	3/32	.27	.20	90	90	90	90	—	—	295	EPR	8	9	S315GF02C8AV3
	5/64	3/32	.41	.20	70	70	70	70	—	—	295	EPR	8	9	S315GF02C8AV7
1/8	3/64	3/64	.05	.05	200	200	200	200	200	200	180	Nitrile	8	9	S315GF02N8AC3
	3/64	1/16	.05	.10	175	175	175	175	175	175	180	Nitrile	8	9	S315GF02N8AV1
	1/16	1/16	.10	.10	150	150	150	150	150	150	180	Nitrile	8	9	S315GF02N8AC5
	3/32	3/64	.20	.05	140	140	140	140	140	140	180	Nitrile	8	9	S315GF02N8AW3
	3/32	3/32	.20	.20	130	130	130	130	130	130	180	Nitrile	8	9	S315GF02N8AC9
	7/64	3/32	.23	.20	100	100	100	100	100	100	180	Nitrile	8	9	S315GF02N8AV5
	1/8	3/32	.27	.20	90	90	90	90	90	90	180	Nitrile	8	9	S315GF02N8AV3
	5/64	3/32	.41	.20	70	70	70	70	70	70	180	Nitrile	8	9	S315GF02N8AV7
1/8	3/64	3/64	.05	.05	200	200	200	200	200	200	230	Viton	8	9	S315GF02V8AC3
	3/64	1/16	.05	.10	175	175	175	175	175	175	230	Viton	8	9	S315GF02V8AV1
	1/16	1/16	.10	.10	150	150	150	150	150	150	230	Viton	8	9	S315GF02V8AC5
	3/32	3/64	.20	.05	140	140	140	140	140	140	230	Viton	8	9	S315GF02V8AW3
	3/32	3/32	.20	.20	130	130	130	130	130	130	230	Viton	8	9	S315GF02V8AC9
	7/64	3/32	.23	.20	100	100	100	100	100	100	230	Viton	8	9	S315GF02V8AV5
	1/8	3/32	.27	.20	90	90	90	90	90	90	230	Viton	8	9	S315GF02V8AV3
	5/64	3/32	.41	.20	70	70	70	70	70	70	230	Viton	8	9	S315GF02V8AV7

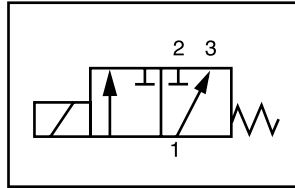
\* Class H Coil Recommended for High Temperature Applications

# S315 – 1/8" NPT, Brass Body, Diverting

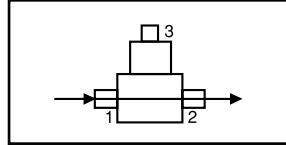


## Valve Selection List

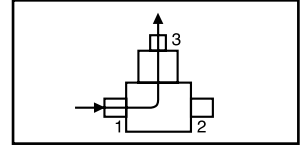
Diverting



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
					Maximum										
	Main	Top	Main	Top	Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/8	3/64	3/64	.05	.05	200	200	200	200	200	200	366*	Teflon	8	9	S315GF02T8AC3
	3/64	1/16	.05	.10	175	175	175	175	175	175	366*	Teflon	8	9	S315GF02T8AV1
	1/16	1/16	.10	.10	150	150	150	150	150	150	366*	Teflon	8	9	S315GF02T8AC5
	3/32	3/64	.20	.05	140	140	140	140	140	140	366*	Teflon	8	9	S315GF02T8AW3
	3/32	3/32	.20	.20	130	130	130	130	130	130	366*	Teflon	8	9	S315GF02T8AC9
	7/64	3/32	.23	.20	100	100	100	100	100	100	366*	Teflon	8	9	S315GF02T8AV5
	1/8	3/32	.27	.20	90	90	90	90	90	90	366*	Teflon	8	9	S315GF02T8AV3
	5/64	3/32	.41	.20	70	70	70	70	70	70	366*	Teflon	8	9	S315GF02T8AV7

\* Class H Coil Recommended for High Temperature Applications



# S315 – 1/8" NPT, Brass Body, Diverting

## Part Numbering

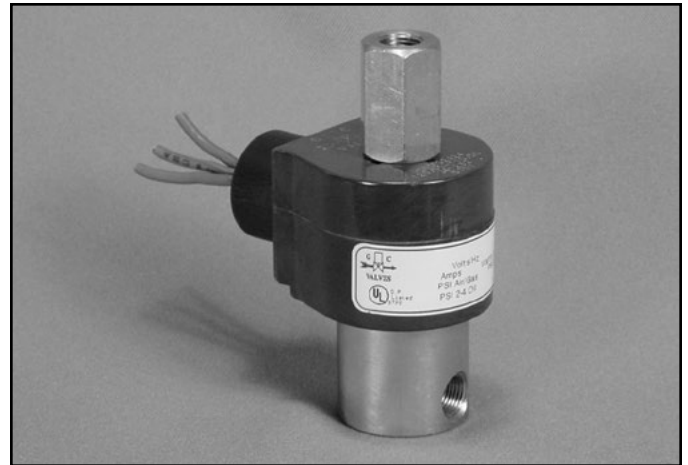
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			5: Diverting	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	A: 1/8" NPT	C3: 3/64" x 3/64" V1: 3/64" x 1/16" C5: 1/16" x 1/16" W3: 3/32" x 3/64" C9: 3/32" x 3/32" V5: 7/64" x 3/32" V3: 1/8" x 3/32" V7: 5/64" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

- 1/8" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Diverting



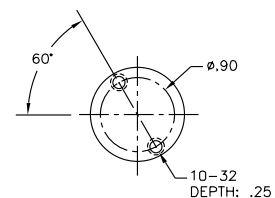
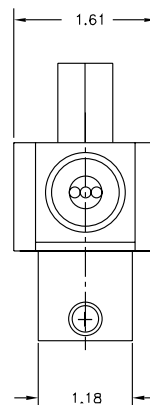
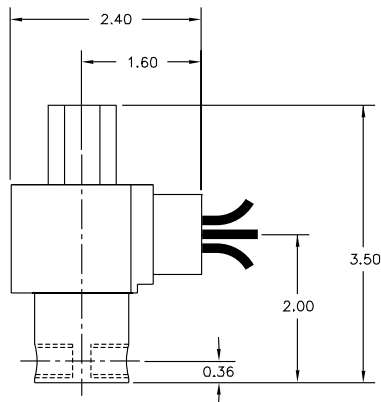
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0

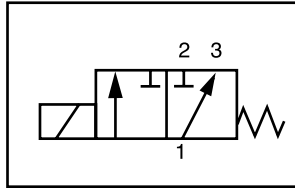




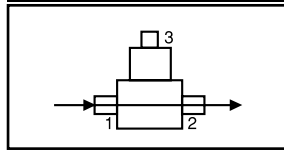
# S315 – 1/8" NPT, Stainless Steel Body, Diverting

## Valve Selection List

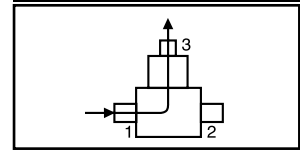
Diverting



Energized



De-Energized



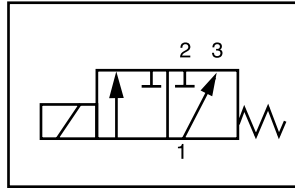
Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC			Stainless Steel Body		
1/8	3/64	3/64	.05	.05	200	200	200	200	—	—	295	EPR	8	9	S315GF02C2AC3
	3/64	1/16	.05	.10	175	175	175	175	—	—	295	EPR	8	9	S315GF02C2AV1
	1/16	1/16	.10	.10	150	150	150	150	—	—	295	EPR	8	9	S315GF02C2AC5
	3/32	3/64	.20	.05	140	140	140	140	—	—	295	EPR	8	9	S315GF02C2AW3
	3/32	3/32	.20	.20	130	130	130	130	—	—	295	EPR	8	9	S315GF02C2AC9
	7/64	3/32	.23	.20	100	100	100	100	—	—	295	EPR	8	9	S315GF02C2AV5
	1/8	3/32	.27	.20	90	90	90	90	—	—	295	EPR	8	9	S315GF02C2AV3
	5/64	3/32	.41	.20	70	70	70	70	—	—	295	EPR	8	9	S315GF02C2AV7
1/8	3/64	3/64	.05	.05	200	200	200	200	200	200	180	Nitrile	8	9	S315GF02N2AC3
	3/64	1/16	.05	.10	175	175	175	175	175	175	180	Nitrile	8	9	S315GF02N2AV1
	1/16	1/16	.10	.10	150	150	150	150	150	150	180	Nitrile	8	9	S315GF02N2AC5
	3/32	3/64	.20	.05	140	140	140	140	140	140	180	Nitrile	8	9	S315GF02N2AW3
	3/32	3/32	.20	.20	130	130	130	130	130	130	180	Nitrile	8	9	S315GF02N2AC9
	7/64	3/32	.23	.20	100	100	100	100	100	100	180	Nitrile	8	9	S315GF02N2AV5
	1/8	3/32	.27	.20	90	90	90	90	90	90	180	Nitrile	8	9	S315GF02N2AV3
	5/64	3/32	.41	.20	70	70	70	70	70	70	180	Nitrile	8	9	S315GF02N2AV7
1/8	3/64	3/64	.05	.05	200	200	200	200	200	200	230	Viton	8	9	S315GF02V2AC3
	3/64	1/16	.05	.10	175	175	175	175	175	175	230	Viton	8	9	S315GF02V2AV1
	1/16	1/16	.10	.10	150	150	150	150	150	150	230	Viton	8	9	S315GF02V2AC5
	3/32	3/64	.20	.05	140	140	140	140	140	140	230	Viton	8	9	S315GF02V2AW3
	3/32	3/32	.20	.20	130	130	130	130	130	130	230	Viton	8	9	S315GF02V2AC9
	7/64	3/32	.23	.20	100	100	100	100	100	100	230	Viton	8	9	S315GF02V2AV5
	1/8	3/32	.27	.20	90	90	90	90	90	90	230	Viton	8	9	S315GF02V2AV3
	5/64	3/32	.41	.20	70	70	70	70	70	70	230	Viton	8	9	S315GF02V2AV7

# S315 – 1/8" NPT, Stainless Steel Body, Diverting

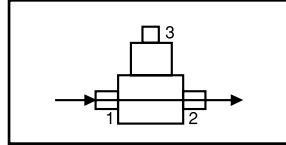


## Valve Selection List

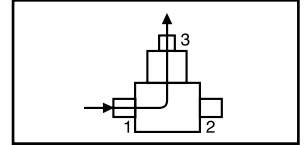
Diverting



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
					Maximum										
	Main	Top	Main	Top	Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/8	3/64	3/64	.05	.05	200	200	200	200	200	200	366*	Teflon	8	9	S315GF02T2AC3
	3/64	1/16	.05	.10	175	175	175	175	175	175	366*	Teflon	8	9	S315GF02T2AV1
	1/16	1/16	.10	.10	150	150	150	150	150	150	366*	Teflon	8	9	S315GF02T2AC5
	3/32	3/64	.20	.05	140	140	140	140	140	140	366*	Teflon	8	9	S315GF02T2AW3
	3/32	3/32	.20	.20	130	130	130	130	130	130	366*	Teflon	8	9	S315GF02T2AC9
	7/64	3/32	.23	.20	100	100	100	100	100	100	366*	Teflon	8	9	S315GF02T2AV5
	1/8	3/32	.27	.20	90	90	90	90	90	90	366*	Teflon	8	9	S315GF02T2AV3
	5/64	3/32	.41	.20	70	70	70	70	70	70	366*	Teflon	8	9	S315GF02T2AV7

\* Class H Coil Recommended for High Temperature Applications



# S315 – 1/8" NPT, Stainless Steel Body, Diverting

## Part Numbering

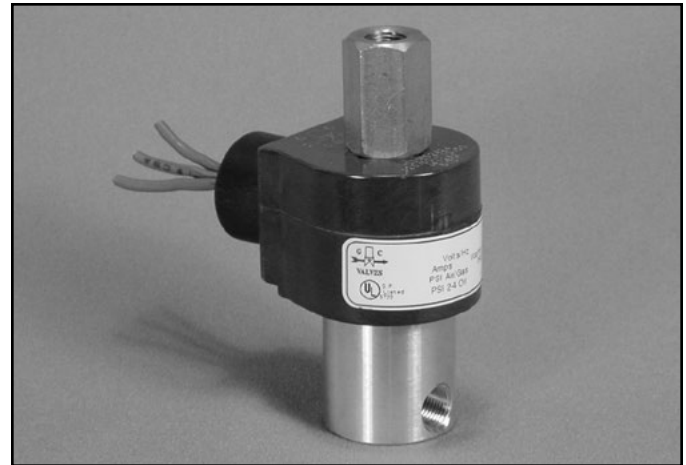
1	2	3	4	5	6	7	8	9	10	11	12	13
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			5: Diverting	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	2: Stainless Steel	A: 1/8" NPT	C3: 3/64" x 3/64" V1: 3/64" x 1/16" C5: 1/16" x 1/16" W3: 3/32" x 3/64" C9: 3/32" x 3/32" V5: 7/64" x 3/32" V3: 1/8" x 3/32" V7: 5/64" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

- 1/8" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Open



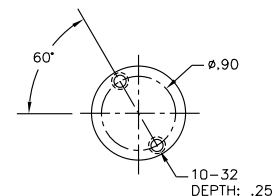
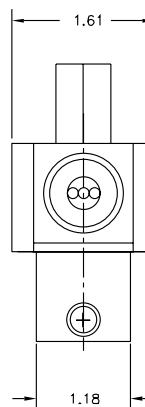
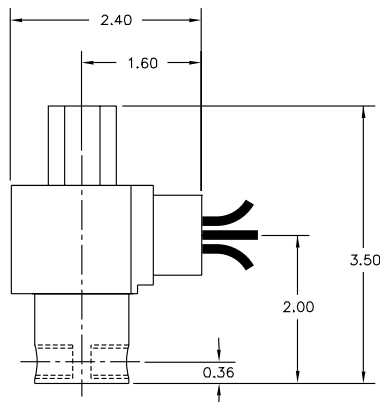
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0



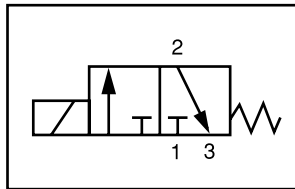




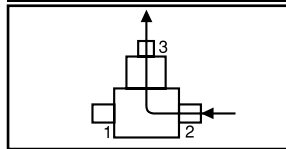
# S314 – 1/8" NPT, Brass Body, Normally Open

## Valve Selection List

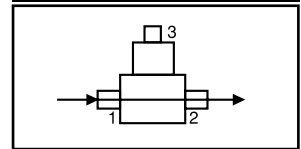
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Air/Gas		Water		Light Oil				AC	DC	
					AC	DC	AC	DC	AC	DC					
															Brass Body
1/8	3/64	3/64	.05	.05	150	150	150	150	—	—	295	EPR	8	9	S314GF02C8AC3
	3/32	1/16	.20	.10	80	80	80	80	—	—	295	EPR	8	9	S314GF02C8AW7
	3/32	3/32	.20	.20	45	45	45	45	—	—	295	EPR	8	9	S314GF02C8AC9
	5/32	3/32	.41	.20	30	15	30	15	—	—	295	EPR	8	9	S314GF02C8AV9
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	180	Nitrile	8	9	S314GF02N8AC3
	3/32	1/16	.20	.20	80	80	80	80	80	80	180	Nitrile	8	9	S314GF02N8AW7
	3/32	3/32	.20	.20	45	45	45	45	45	45	180	Nitrile	8	9	S314GF02N8AC9
	5/32	3/32	.41	.20	30	15	30	15	30	15	180	Nitrile	8	9	S314GF02N8AV9
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	230	Viton	8	9	S314GF02V8AC3
	3/32	1/16	.20	.10	80	80	80	80	80	80	230	Viton	8	9	S314GF02V8AW7
	3/32	3/32	.20	.20	45	45	45	45	45	45	230	Viton	8	9	S314GF02V8AC9
	5/32	3/32	.41	.20	30	15	30	15	30	15	230	Viton	8	9	S314GF02V8AV9
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	366*	Teflon	8	9	S314GF02T8AC3
	3/32	1/16	.20	.10	80	80	80	80	80	80	366*	Teflon	8	9	S314GF02T8AW7
	3/32	3/32	.20	.20	45	45	45	45	45	45	366*	Teflon	8	9	S314GF02T8AC9
	5/32	3/32	.41	.10	30	15	30	15	30	15	366*	Teflon	8	9	S314GF02T8AV9

\* Class H Coil Recommended for High Temperature Applications

# S314 – 1/8" NPT, Brass Body, Normally Open



## Part Numbering

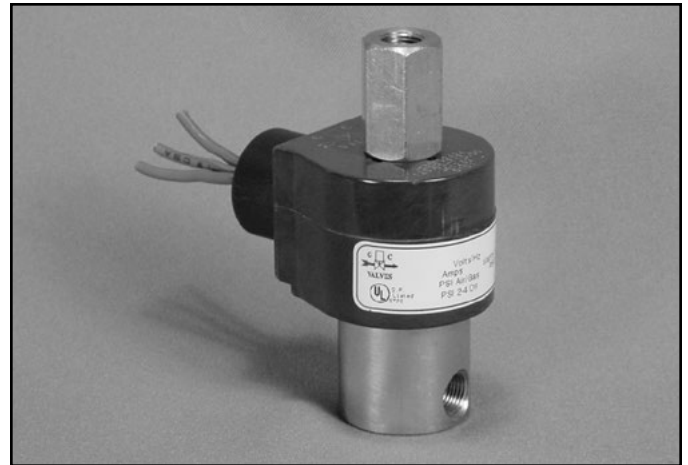
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>A</b>	<b>C</b>	<b>3</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			4: Normally Open	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	A: 1/8" NPT	C3: 3/64" x 3/64" W7: 3/32" x 1/16" C9: 3/32" x 3/32" V9: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	36	36
	Holding	16	17

- 1/8" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Open



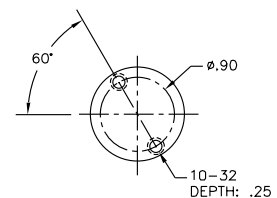
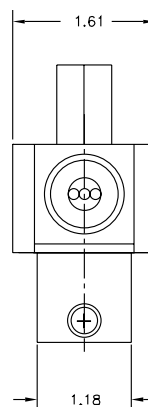
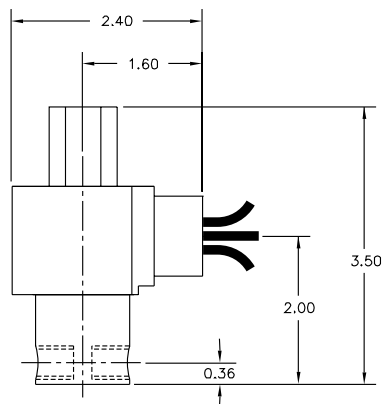
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0

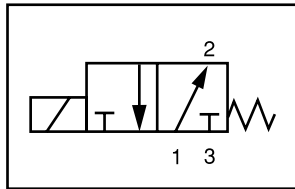




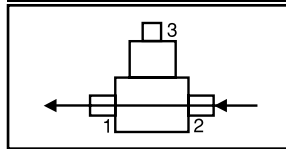
# S314 – 1/8" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

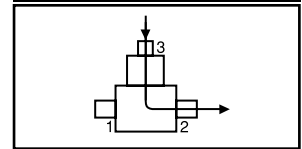
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/8	3/64	3/64	.05	.05	150	150	150	150	—	—	295	EPR	8	9	S314GF02C2AC3
	3/32	1/16	.20	.10	80	80	80	80	—	—	295	EPR	8	9	S314GF02C2AW7
	3/32	3/32	.20	.20	45	45	45	45	—	—	295	EPR	8	9	S314GF02C2AC9
	5/32	3/32	.41	.20	30	15	30	15	—	—	295	EPR	8	9	S314GF02C2AV9
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	180	Nitrile	8	9	S314GF02N2AC3
	3/32	1/16	.20	.10	80	80	80	80	80	80	180	Nitrile	8	9	S314GF02N2AW7
	3/32	3/32	.20	.20	45	45	45	45	45	45	180	Nitrile	8	9	S314GF02N2AC9
	5/32	3/32	.41	.20	30	15	30	15	30	15	180	Nitrile	8	9	S314GF02N2AV9
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	230	Viton	8	9	S314GF02V2AC3
	3/32	1/16	.20	.10	80	80	80	80	80	80	230	Viton	8	9	S314GF02V2AW7
	3/32	3/32	.20	.20	45	45	45	45	45	45	230	Viton	8	9	S314GF02V2AC9
	5/32	3/32	.41	.20	30	15	30	15	30	15	230	Viton	8	9	S314GF02V2AV9
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	366*	Teflon	8	9	S314GF02T2AC3
	3/32	1/16	.20	.10	80	80	80	80	80	80	366*	Teflon	8	9	S314GF02T2AW7
	3/32	3/32	.20	.20	45	45	45	45	45	45	366*	Teflon	8	9	S314GF02T2AC9
	5/32	3/32	.41	.20	30	15	30	15	30	15	366*	Teflon	8	9	S314GF02T2AV9

\* Class H Coil Recommended for High Temperature Applications

# S314 – 1/8" NPT, Stainless Steel Body, Normally Open



## Part Numbering

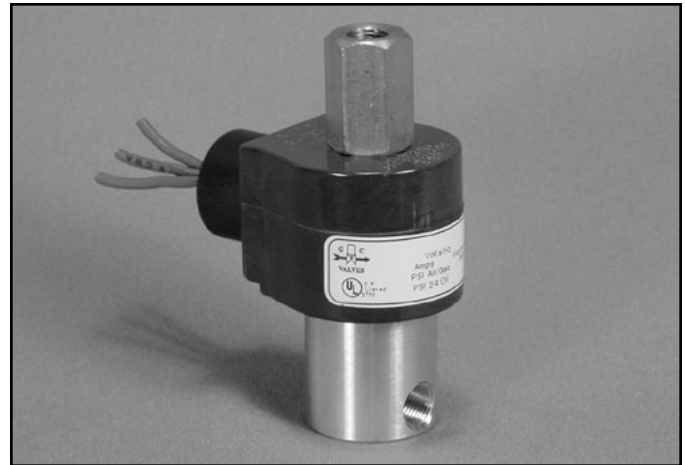
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>2</b>	<b>A</b>	<b>C</b>	<b>3</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			4: Normally Open	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	2: Stainless Steel	A: 1/8" NPT	C3: 3/64" x 3/64" W7: 3/32" x 1/16" C9: 3/32" x 3/32" V9: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

- 1/8" NPT
- Brass Body
- 3-Way Direct Acting
- Universal



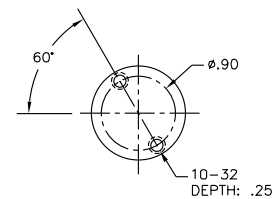
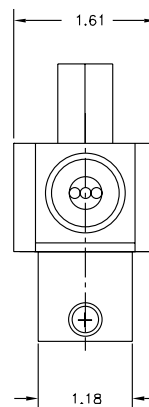
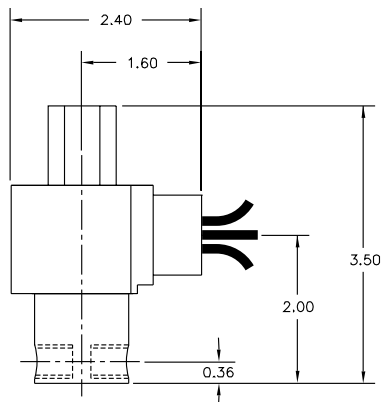
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0

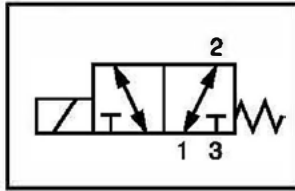




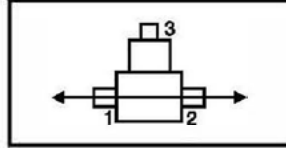
# S316 – 1/8" NPT, Brass Body, Universal

## Valve Selection List

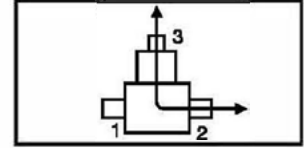
Universal



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Air/Gas		Water		Light Oil				AC	DC	
					AC	DC	AC	DC	AC	DC					
	Brass Body														
1/8	3/64	3/64	.05	.05	150	150	150	150	—	—	295	EPR	8	9	S316GF02C8AC3
	3/64	1/16	.05	.10	80	80	80	80	—	—	295	EPR	8	9	S316GF02C8AV1
	1/16	1/16	.10	.10	80	40	80	40	—	—	295	EPR	8	9	S316GF02C8AC5
	3/32	3/64	.20	.05	60	60	60	60	—	—	295	EPR	8	9	S316GF02C8AW3
	1/8	3/32	.27	.20	45	5	45	5	—	—	295	EPR	8	9	S316GF02C8AV3
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	180	Nitrile	8	9	S316GF02N8AC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	180	Nitrile	8	9	S316GF02N8AV1
	1/16	1/16	.10	.10	80	40	80	40	80	40	180	Nitrile	8	9	S316GF02N8AC5
	3/32	3/64	.20	.05	60	60	60	60	60	60	180	Nitrile	8	9	S316GF02N8AW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	180	Nitrile	8	9	S316GF02N8AV3
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	230	Viton	8	9	S316GF02V8AC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	230	Viton	8	9	S316GF02V8AV1
	1/16	1/16	.10	.10	80	40	80	40	80	40	230	Viton	8	9	S316GF02V8AC5
	3/32	3/64	.20	.05	60	60	60	60	60	60	230	Viton	8	9	S316GF02V8AW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	230	Viton	8	9	S316GF02V8AV3
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	366*	Teflon	8	9	S316GF02T8AC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	366*	Teflon	8	9	S316GF02T8AV1
	1/16	1/16	.10	.10	65	65	65	65	65	65	366*	Teflon	8	9	S316GF02T8AC5
	3/32	3/64	.20	.05	80	40	80	40	80	40	366*	Teflon	8	9	S316GF02T8AW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	366*	Teflon	8	9	S316GF02T8AV3

\* Class H Coil Recommended for High Temperature Applications

# S316 – 1/8" NPT, Brass Body, Universal



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>6</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>A</b>	<b>C</b>	<b>3</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			6: Universal	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	A: 1/8" NPT	C3: 3/64" x 3/64" V1: 3/64" x 1/16" C5: 1/16" x 1/16" W3: 3/32" x 3/64" V3: 1/8" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

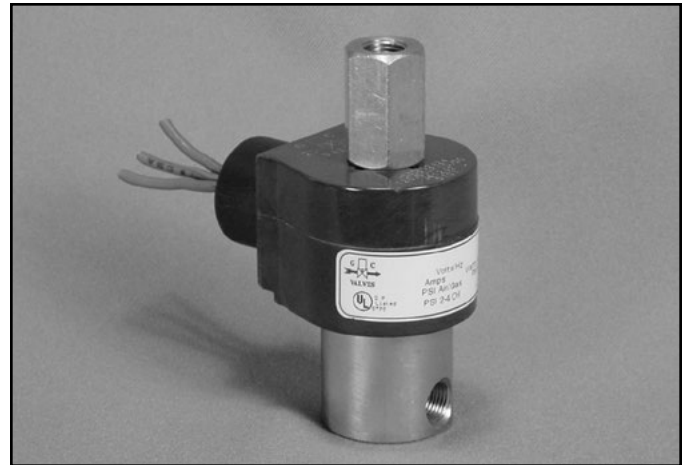
## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16



- 1/8" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Universal



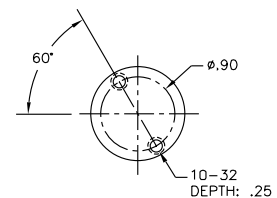
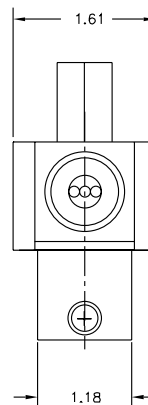
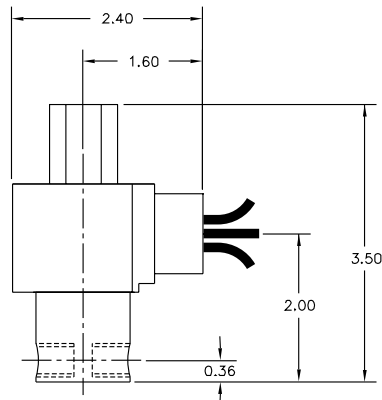
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.0

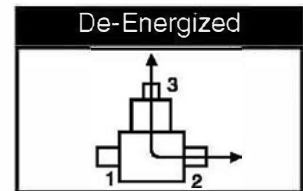
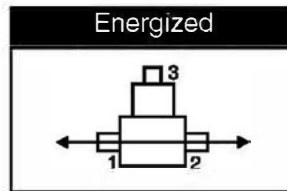
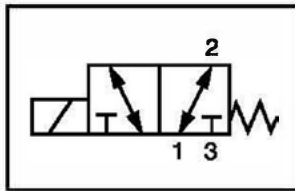




# S316 – 1/8" NPT, Stainless Steel Body, Universal

## Valve Selection List

Universal



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Sea Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/8	3/64	3/64	.05	.05	150	150	150	150	—	—	295	EPR	8	9	S316GF02C2AC3
	3/64	1/16	.05	.10	80	80	80	80	—	—	295	EPR	8	9	S316GF02C2AV1
	1/16	1/16	.08	.10	80	40	80	40	—	—	295	EPR	8	9	S316GF02C2AC5
	3/32	3/64	.20	.05	60	60	60	60	—	—	295	EPR	8	9	S316GF02C2AW3
	1/8	3/32	.27	.20	45	5	45	5	—	—	295	EPR	8	9	S316GF02C2AV3
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	180	Nitrile	8	9	S316GF02N2AC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	180	Nitrile	8	9	S316GF02N2AV1
	1/16	1/16	.08	.10	80	40	80	40	80	40	180	Nitrile	8	9	S316GF02N2AC5
	3/32	3/64	.20	.05	60	60	60	60	60	60	180	Nitrile	8	9	S316GF02N2AW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	180	Nitrile	8	9	S316GF02N2AV3
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	230	Viton	8	9	S316GF02V2AC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	230	Viton	8	9	S316GF02V2AV1
	1/16	1/16	.08	.10	80	40	80	40	80	40	230	Viton	8	9	S316GF02V2AC5
	3/32	3/64	.20	.05	60	60	60	60	60	60	230	Viton	8	9	S316GF02V2AW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	230	Viton	8	9	S316GF02V2AV3
1/8	3/64	3/64	.05	.05	150	150	150	150	150	150	366*	Teflon	8	9	S316GF02T2AC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	366*	Teflon	8	9	S316GF02T2AV1
	1/16	1/16	.08	.10	65	65	65	65	65	65	366*	Teflon	8	9	S316GF02T2AC5
	3/32	3/64	.20	.05	80	40	80	40	80	40	366*	Teflon	8	9	S316GF02T2AW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	366*	Teflon	8	9	S316GF02T2AV3

\* Class H Coil Recommended for High Temperature Applications

# S316 – 1/8" NPT, Stainless Steel Body, Universal



## Part Numbering

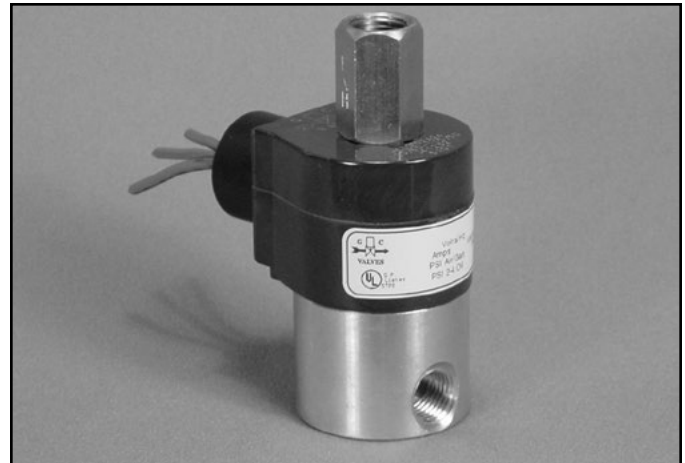
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>6</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>2</b>	<b>A</b>	<b>C</b>	<b>3</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			6: Universal	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	2: Stainless Steel	A: 1/8" NPT	C3: 3/64" x 3/64" V1: 3/64" x 1/16" C5: 1/16" x 1/16" W3: 3/32" x 3/64" V3: 1/8" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	36	36
	Holding	16	17

- 1/4" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Closed



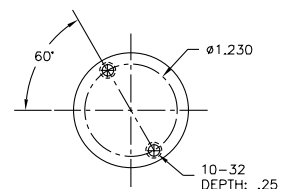
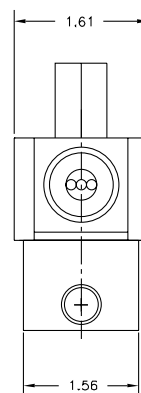
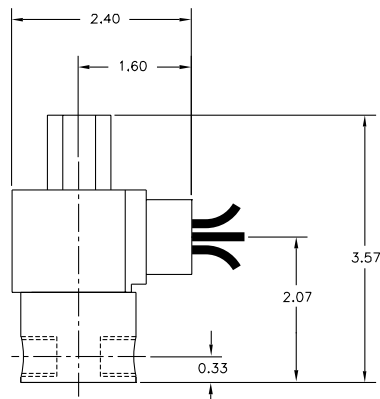
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.2

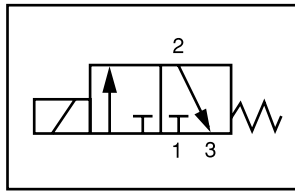




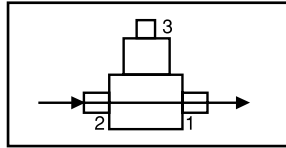
# S313 – 1/4" NPT, Brass Body, Normally Closed

## Valve Selection List

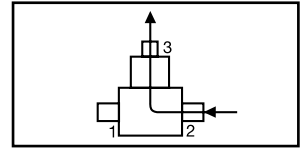
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/4	3/64	1/16	.05	.10	170	170	170	170	—	—	295	EPR	8	9	S313GF02C8BV1
	1/16	1/16	.08	.10	120	120	120	120	—	—	295	EPR	8	9	S313GF02C8BC5
	3/32	3/32	.20	.20	65	65	65	65	—	—	295	EPR	8	9	S313GF02C8BC9
	1/8	3/32	.27	.20	40	40	40	40	—	—	295	EPR	8	9	S313GF02C8BV3
	5/32	3/32	.41	.20	25	25	25	25	—	—	295	EPR	8	9	S313GF02C8BV7
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	180	Nitrile	8	9	S313GF02N8BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	180	Nitrile	8	9	S313GF02N8BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	180	Nitrile	8	9	S313GF02N8BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	180	Nitrile	8	9	S313GF02N8BV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	180	Nitrile	8	9	S313GF02N8BV7
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	230	Viton	8	9	S313GF02V8BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	230	Viton	8	9	S313GF02V8BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	230	Viton	8	9	S313GF02V8BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	230	Viton	8	9	S313GF02V8BV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	230	Viton	8	9	S313GF02V8BV7
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	366*	Teflon	8	9	S313GF02T8BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	366*	Teflon	8	9	S313GF02T8BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	366*	Teflon	8	9	S313GF02T8BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	366*	Teflon	8	9	S313GF02T8BV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	366*	Teflon	8	9	S313GF02T8BV7

\* Class H Coil Recommended for High Temperature Applications

# S313 – 1/4" NPT, Brass Body, Normally Closed



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>B</b>	<b>V</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	36	36
	Holding	16	17

- 1/4" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Closed
- Free Exhaust

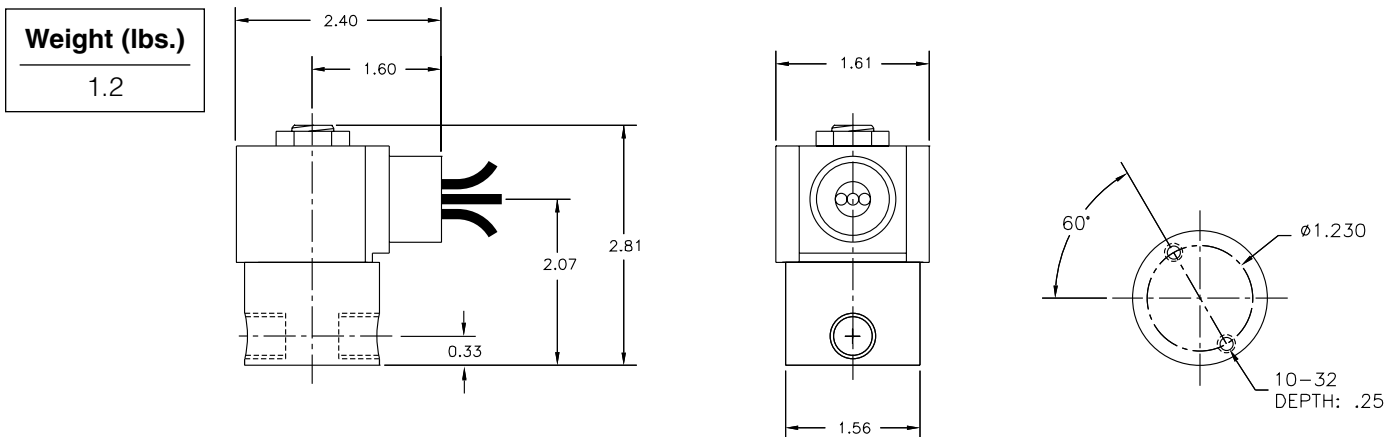


Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations.

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## Dimensions/Weight

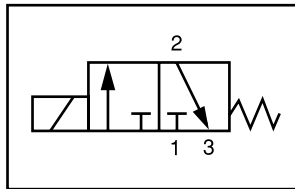




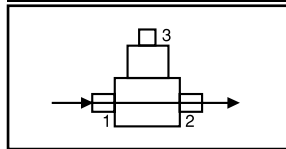
# S317 – 1/4" NPT, Brass Body, Normally Closed, Free Exhaust

## Valve Selection List

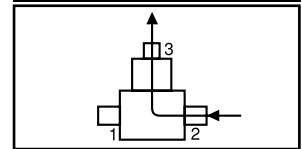
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/4	3/64	1/16	.05	.10	170	170	170	170	—	—	295	EPR	8	9	S317GF02C8BV1
	1/16	1/16	.08	.10	120	120	120	120	—	—	295	EPR	8	9	S317GF02C8BC5
	3/32	3/32	.20	.20	65	65	65	65	—	—	295	EPR	8	9	S317GF02C8BC9
	1/8	3/32	.27	.20	40	40	40	40	—	—	295	EPR	8	9	S317GF02C8BV3
	5/32	3/32	.41	.20	25	25	25	25	—	—	295	EPR	8	9	S317GF02C8BV7
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	180	Nitrile	8	9	S317GF02N8BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	180	Nitrile	8	9	S317GF02N8BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	180	Nitrile	8	9	S317GF02N8BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	180	Nitrile	8	9	S317GF02N8BV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	180	Nitrile	8	9	S317GF02N8BV9
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	230	Viton	8	9	S317GF02V8BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	230	Viton	8	9	S317GF02V8BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	230	Viton	8	9	S317GF02V8BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	230	Viton	8	9	S317GF02V8BV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	230	Viton	8	9	S317GF02V8BV7
1/4	3/64	1/16	.05	.0	170	170	170	170	170	170	366*	Teflon	8	9	S317GF02T8BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	366*	Teflon	8	9	S317GF02T8BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	366*	Teflon	8	9	S317GF02T8BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	366*	Teflon	8	9	S317GF02T8BV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	366*	Teflon	8	9	S317GF02T8BV7x

\* Class H Coil Recommended for High Temperature Applications



# S317 – 1/4" NPT, Brass Body, Normally Closed, Free Exhaust



## Part Numbering

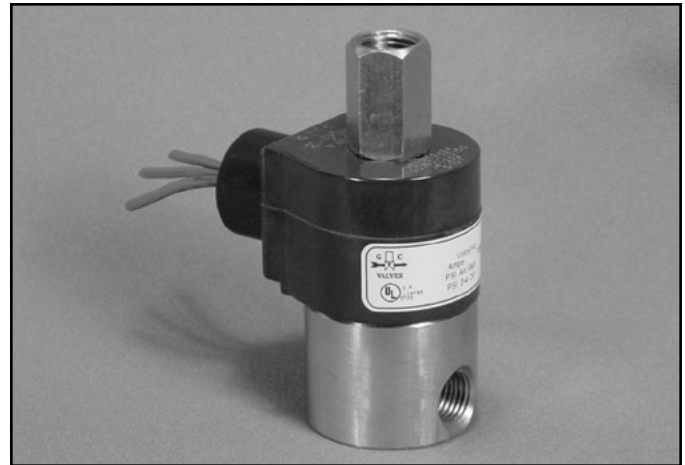
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			7: Normally Closed (Free Exhaust)	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Closed



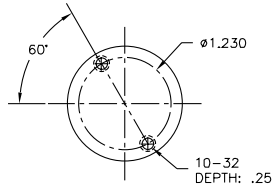
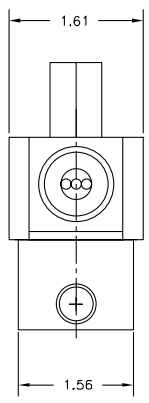
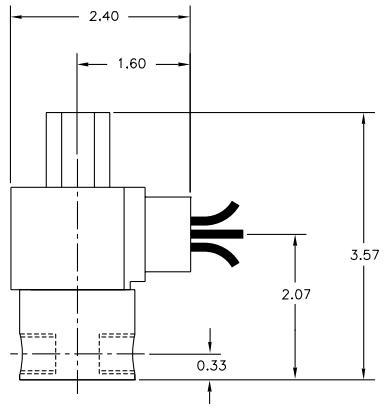
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.2

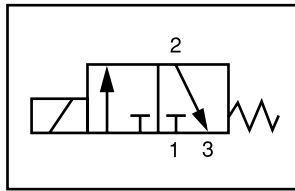




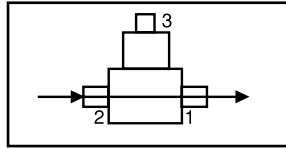
# S313 – 1/4" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

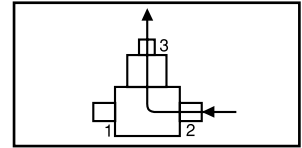
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/4	3/64	1/16	.05	.10	170	170	170	170	—	—	295	EPR	8	9	S313GF02C3BV1
	1/16	1/16	.08	.10	120	120	120	120	—	—	295	EPR	8	9	S313GF02C3BC5
	3/32	3/32	.20	.20	65	65	65	65	—	—	295	EPR	8	9	S313GF02C3BC9
	1/8	3/32	.27	.20	40	40	40	40	—	—	295	EPR	8	9	S313GF02C3BV3
	5/32	3/32	.41	.20	25	25	25	25	—	—	295	EPR	8	9	S313GF02C3BV7
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	180	Nitrile	8	9	S313GF02N3BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	180	Nitrile	8	9	S313GF02N3BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	180	Nitrile	8	9	S313GF02N3BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	180	Nitrile	8	9	S313GF02N3BV3
	5/32	3/32	.20	.23	25	25	25	25	25	25	180	Nitrile	8	9	S313GF02N3BV7
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	230	Viton	8	9	S313GF02V3BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	230	Viton	8	9	S313GF02V3BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	230	Viton	8	9	S313GF02V3BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	230	Viton	8	9	S313GF02V3BV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	230	Viton	8	9	S313GF02V3BV7
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	366*	Teflon	8	9	S313GF02T3BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	366*	Teflon	8	9	S313GF02T3BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	366*	Teflon	8	9	S313GF02T3BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	366*	Teflon	8	9	S313GF02T3BV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	366*	Teflon	8	9	S313GF02T3BV7

\* Class H Coil Recommended for High Temperature Applications

# S313 – 1/4" NPT, Stainless Steel Body, Normally Closed



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>V</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	3: Stainless Steel	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Closed
- Free Exhaust



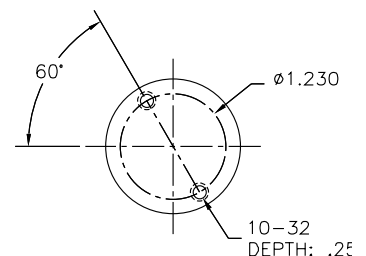
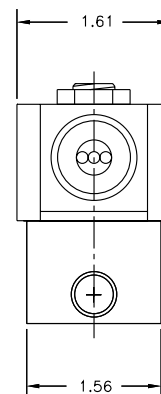
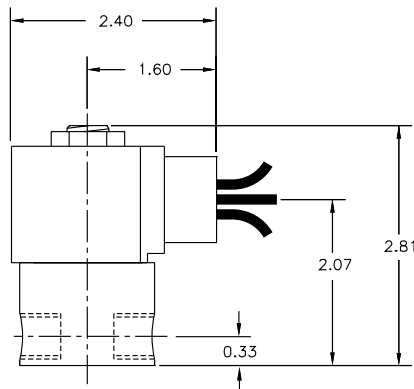
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position	Any
Approvals	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.2

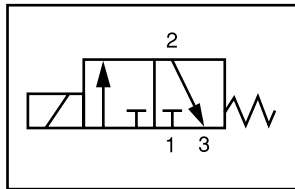




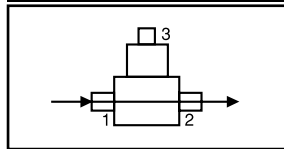
# S317 – 1/4" NPT, Stainless Steel Body, Normally Closed, Free Exhaust

## Valve Selection List

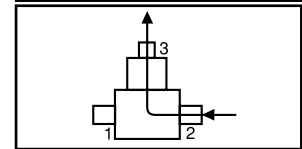
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/4	3/64	3/64	.05	.05	170	170	170	170	—	—	295	EPR	8	9	S317GF02C3BC3
	1/16	1/16	.05	.08	120	120	120	120	—	—	295	EPR	8	9	S317GF02C3BC5
	3/32	3/32	.08	.08	65	65	65	65	—	—	295	EPR	8	9	S317GF02C3BC9
	1/8	3/32	.30	.05	40	40	40	40	—	—	295	EPR	8	9	S317GF02C3BV3
	5/32	3/32	.36	.30	25	25	25	25	—	—	295	EPR	8	9	S317GF02C3BV7
1/4	3/64	3/64	.05	.10	170	170	170	170	170	170	180	Nitrile	8	9	S317GF02N3BC3
	1/16	1/16	.08	.10	120	120	120	120	120	120	180	Nitrile	8	9	S317GF02N3BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	180	Nitrile	8	9	S317GF02N3BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	180	Nitrile	8	9	S317GF02N3BV3
	5/32	3/32	.41	.23	25	25	25	25	25	25	180	Nitrile	8	9	S317GF02N3BV7
1/4	1/16	3/64	.05	.05	170	170	170	170	170	170	230	Viton	8	9	S317GF02V3BC3
	3/64	1/16	.05	.08	120	120	120	120	120	120	230	Viton	8	9	S317GF02V3BC5
	3/32	3/32	.08	.08	65	65	65	65	65	65	230	Viton	8	9	S317GF02V3BC9
	1/8	3/32	.30	.05	40	40	40	40	40	40	230	Viton	8	9	S317GF02V3BV3
	5/32	3/32	.36	.30	25	25	25	25	25	25	230	Viton	8	9	S317GF02V3BV7
1/4	3/64	3/64	.05	.05	170	170	170	170	170	170	366*	Teflon	8	9	S317GF02T3BC3
	1/16	1/16	.05	.08	120	120	120	120	120	120	366*	Teflon	8	9	S317GF02T3BC5
	3/32	3/32	.08	.08	65	65	65	65	65	65	366*	Teflon	8	9	S317GF02T3BC9
	1/8	3/32	.30	.05	40	40	40	40	40	40	366*	Teflon	8	9	S317GF02T3BV3
	5/32	3/32	.36	.30	25	25	25	25	25	25	366*	Teflon	8	9	S317GF02T3BV7

\* Class H Coil Recommended for High Temperature Applications

# S317 – 1/4" NPT, Stainless Steel Body, Normally Closed, Free Exhaust



## Part Numbering

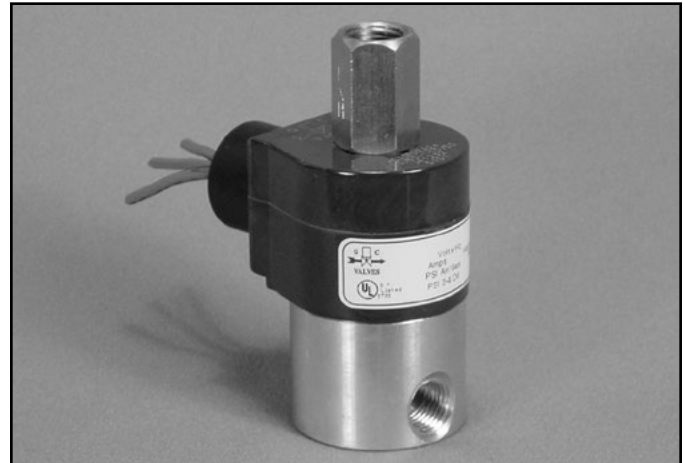
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<b>S</b>	<b>3</b>	<b>1</b>	<b>7</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>T</b>	<b>3</b>	<b>B</b>	<b>C</b>	<b>3</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			7: Normally Closed (Free Exhaust)	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	3: Stainless Steel	B: 1/4" NPT	C3: 3/64" x 3/64" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

- 1/4" NPT
- Brass Body
- 3-Way Direct Acting
- Diverting



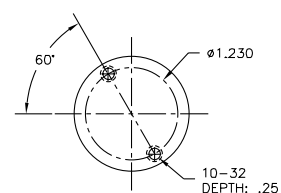
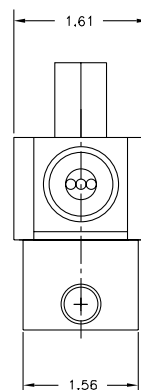
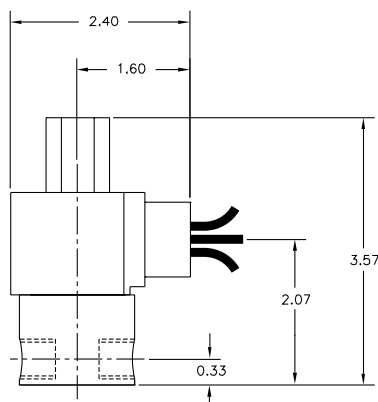
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

® Registered Trademark of DuPont Co.

## Dimensions/Weight

<b>Weight (lbs.)</b>
1.2



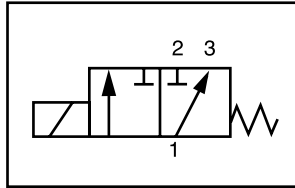




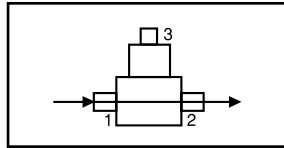
# S315 – 1/4" NPT, Brass Body, Diverting

## Valve Selection List

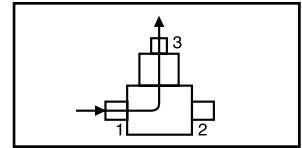
Diverting



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC			Brass Body		
1/4	3/64	3/64	.05	.05	200	200	200	200	—	—	295	EPR	8	9	S315GF02C8BC3
	3/64	1/16	.05	.10	175	175	175	175	—	—	295	EPR	8	9	S315GF02C8BV1
	1/16	1/16	.10	.10	150	150	150	150	—	—	295	EPR	8	9	S315GF02C8BC5
	3/32	3/64	.20	.05	140	140	140	140	—	—	295	EPR	8	9	S315GF02C8BW3
	3/32	3/32	.20	.20	130	130	130	130	—	—	295	EPR	8	9	S315GF02C8BC9
	7/64	3/32	.23	.20	100	100	100	100	—	—	295	EPR	8	9	S315GF02C8BV5
	1/8	3/32	.27	.20	90	90	90	90	—	—	295	EPR	8	9	S315GF02C8BV3
	5/64	3/32	.41	.20	70	70	70	70	—	—	295	EPR	8	9	S315GF02C8BV7
1/4	3/64	3/64	.05	.05	200	200	200	200	200	200	180	Nitrile	8	9	S315GF02N8BC3
	3/64	1/16	.05	.10	175	175	175	175	175	175	180	Nitrile	8	9	S315GF02N8BV1
	1/16	1/16	.10	.10	150	150	150	150	150	150	180	Nitrile	8	9	S315GF02N8BC5
	3/32	3/64	.20	.05	140	140	140	140	140	140	180	Nitrile	8	9	S315GF02N8BW3
	3/32	3/32	.20	.20	130	130	130	130	130	130	180	Nitrile	8	9	S315GF02N8BC9
	7/64	3/32	.23	.20	100	100	100	100	100	100	180	Nitrile	8	9	S315GF02N8BV5
	1/8	3/32	.27	.20	90	90	90	90	90	90	180	Nitrile	8	9	S315GF02N8BV3
	5/64	3/32	.41	.20	70	70	70	70	70	70	180	Nitrile	8	9	S315GF02N8BV7
1/4	3/64	3/64	.05	.05	200	200	200	200	200	200	230	Viton	8	9	S315GF02V8BC3
	3/64	1/16	.05	.10	175	175	175	175	175	175	230	Viton	8	9	S315GF02V8BV1
	1/16	1/16	.10	.10	150	150	150	150	150	150	230	Viton	8	9	S315GF02V8BC5
	3/32	3/64	.20	.05	140	140	140	140	140	140	230	Viton	8	9	S315GF02V8BW3
	3/32	3/32	.20	.20	130	130	130	130	130	130	230	Viton	8	9	S315GF02V8BC9
	7/64	3/32	.23	.20	100	100	100	100	100	100	230	Viton	8	9	S315GF02V8BV5
	1/8	3/32	.27	.20	90	90	90	90	90	90	230	Viton	8	9	S315GF02V8BV3
	5/64	3/32	.41	.20	70	70	70	70	70	70	230	Viton	8	9	S315GF02V8BV7

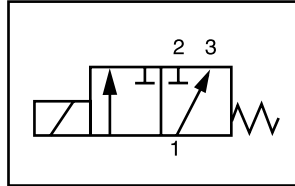
\* Class H Coil Recommended for High Temperature Applications

# S315 – 1/4" NPT, Brass Body, Diverting

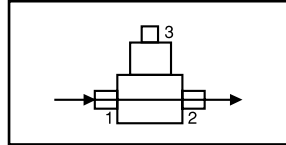


## Valve Selection List

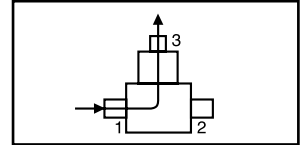
Diverting



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
					Maximum										
	Main	Top	Main	Top	Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC			AC	DC	
1/4	3/64	3/64	.05	.05	200	200	200	200	200	200	366*	Teflon	8	9	S315GF02T8BC3
	3/64	1/16	.05	.10	175	175	175	175	175	175	366*	Teflon	8	9	S315GF02T8BV1
	1/16	1/16	.10	.10	150	150	150	150	150	150	366*	Teflon	8	9	S315GF02T8BC5
	3/32	3/64	.20	.05	140	140	140	140	140	140	366*	Teflon	8	9	S315GF02T8BW3
	3/32	3/32	.20	.20	130	130	130	130	130	130	366*	Teflon	8	9	S315GF02T8BC9
	7/64	3/32	.23	.20	100	100	100	100	100	100	366*	Teflon	8	9	S315GF02T8BV5
	1/8	3/32	.27	.20	90	90	90	90	90	90	366*	Teflon	8	9	S315GF02T8BV3
	5/64	3/32	.41	.20	70	70	70	70	70	70	366*	Teflon	8	9	S315GF02T8BV7

\* Class H Coil Recommended for High Temperature Applications



# S315 – 1/4" NPT, Brass Body, Diverting

## Part Numbering

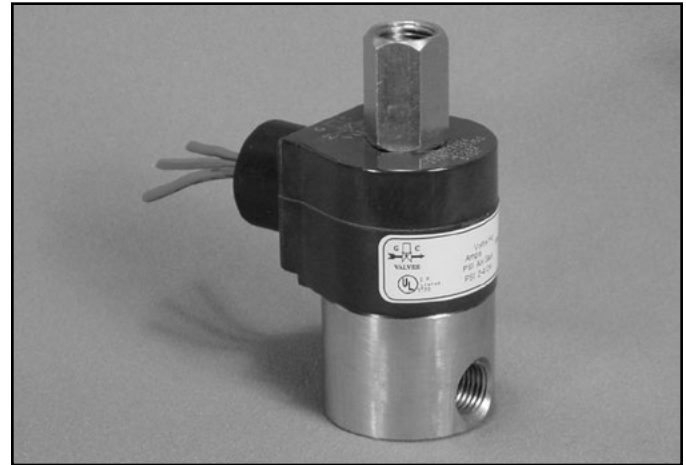
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>5</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>B</b>	<b>C</b>	<b>3</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			5: Diverting	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	C3: 3/64" x 3/64" V1: 3/64" x 1/16" C5: 1/16" x 1/16" W3: 3/32" x 3/64" C9: 3/32" x 3/32" V5: 7/64" x 3/32" V3: 1/8" x 3/32" V7: 5/64" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	36	36
	Holding	16	17

- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Diverting



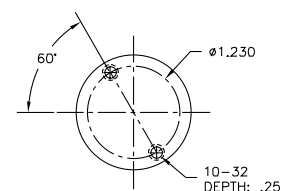
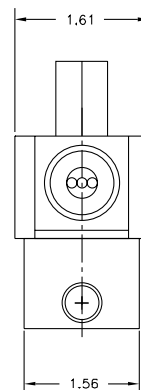
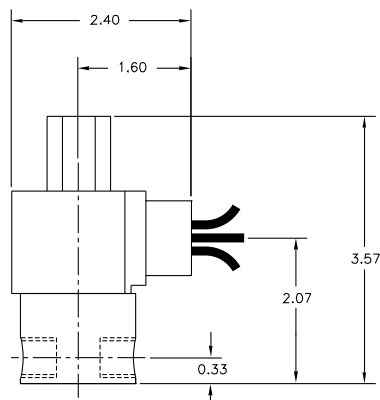
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.2

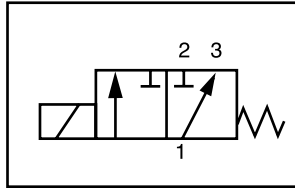




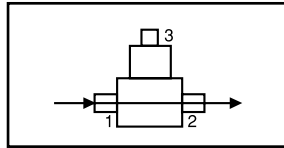
# S315 – 1/4" NPT, Stainless Steel Body, Diverting

## Valve Selection List

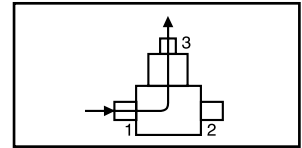
Diverting



Energized



De-Energized



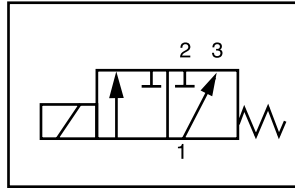
Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC			Stainless Steel Body		
1/4	3/64	3/64	.05	.05	200	200	200	200	—	—	295	EPR	8	9	S315GF02C3BC3
	3/64	1/16	.05	.10	175	175	175	175	—	—	295	EPR	8	9	S315GF02C3BV1
	1/16	1/16	.10	.10	150	150	150	150	—	—	295	EPR	8	9	S315GF02C3BC5
	3/32	3/64	.20	.05	140	140	140	140	—	—	295	EPR	8	9	S315GF02C3BW3
	3/32	3/32	.20	.20	130	130	130	130	—	—	295	EPR	8	9	S315GF02C3BC9
	7/64	3/32	.23	.20	100	100	100	100	—	—	295	EPR	8	9	S315GF02C3BV5
	1/8	3/32	.27	.20	90	90	90	90	—	—	295	EPR	8	9	S315GF02C3BV3
	5/64	3/32	.41	.20	70	70	70	70	—	—	295	EPR	8	9	S315GF02C3BV7
1/4	3/64	3/64	.05	.05	200	200	200	200	200	200	180	Nitrile	8	9	S315GF02N3BC3
	3/64	1/16	.05	.10	175	175	175	175	175	175	180	Nitrile	8	9	S315GF02N3BV1
	1/16	1/16	.10	.10	150	150	150	150	150	150	180	Nitrile	8	9	S315GF02N3BC5
	3/32	3/64	.20	.05	140	140	140	140	140	140	180	Nitrile	8	9	S315GF02N3BW3
	3/32	3/32	.20	.20	130	130	130	130	130	130	180	Nitrile	8	9	S315GF02N3BC9
	7/64	3/32	.23	.20	100	100	100	100	100	100	180	Nitrile	8	9	S315GF02N3BV5
	1/8	3/32	.27	.20	90	90	90	90	90	90	180	Nitrile	8	9	S315GF02N3BV3
	5/64	3/32	.41	.20	70	70	70	70	70	70	180	Nitrile	8	9	S315GF02N3BV7
1/4	3/64	3/64	.05	.05	200	200	200	200	200	200	230	Viton	8	9	S315GF02V3BC3
	3/64	1/16	.05	.10	175	175	175	175	175	175	230	Viton	8	9	S315GF02V3BV1
	1/16	1/16	.10	.10	150	150	150	150	150	150	230	Viton	8	9	S315GF02V3BC5
	3/32	3/64	.20	.05	140	140	140	140	140	140	230	Viton	8	9	S315GF02V3BW3
	3/32	3/32	.20	.20	130	130	130	130	130	130	230	Viton	8	9	S315GF02V3BC9
	7/64	3/32	.23	.20	100	100	100	100	100	100	230	Viton	8	9	S315GF02V3BV5
	1/8	3/32	.27	.20	90	90	90	90	90	90	230	Viton	8	9	S315GF02V3BV3
	5/64	3/32	.41	.20	70	70	70	70	70	70	230	Viton	8	9	S315GF02V3BV7

# S315 – 1/4" NPT, Stainless Steel Body, Diverting

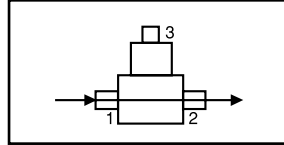


## Valve Selection List

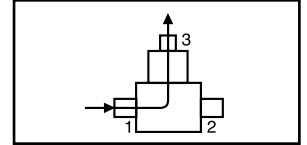
Diverting



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
					Maximum										
	Main	Top	Main	Top	Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC			AC	DC	
1/4	3/64	3/64	.05	.05	200	200	200	200	200	200	366*	Teflon	8	9	S315GF02T3BC3
	3/64	1/16	.05	.10	175	175	175	175	175	175	366*	Teflon	8	9	S315GF02T3BV1
	1/16	1/16	.10	.10	150	150	150	150	150	150	366*	Teflon	8	9	S315GF02T3BC5
	3/32	3/64	.20	.05	140	140	140	140	140	140	366*	Teflon	8	9	S315GF02T3BW3
	3/32	3/32	.20	.20	130	130	130	130	130	130	366*	Teflon	8	9	S315GF02T3BC9
	7/64	3/32	.23	.20	100	100	100	100	100	100	366*	Teflon	8	9	S315GF02T3BV5
	1/8	3/32	.27	.20	90	90	90	90	90	90	366*	Teflon	8	9	S315GF02T3BV3
	5/64	3/32	.41	.20	70	70	70	70	70	70	366*	Teflon	8	9	S315GF02T3BV7

\* Class H Coil Recommended for High Temperature Applications



# S315 – 1/4" NPT, Stainless Steel Body, Diverting

## Part Numbering

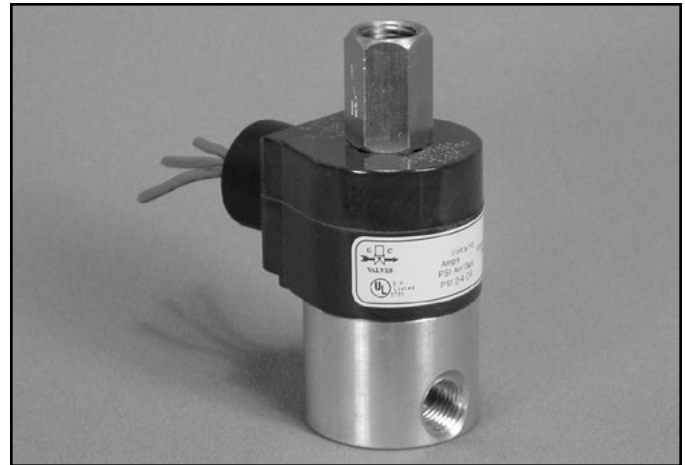
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>5</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>C</b>	<b>3</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			5: Diverting	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	3: Stainless Steel	B: 1/4" NPT	C3: 3/64" x 3/64" V1: 3/64" x 1/16" C5: 1/16" x 1/16" W3: 3/32" x 3/64" C9: 3/32" x 3/32" V5: 7/64" x 3/32" V3: 1/8" x 3/32" V7: 5/64" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

- 1/4" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Open



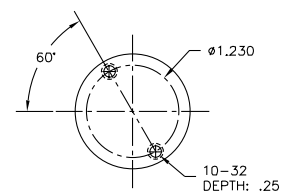
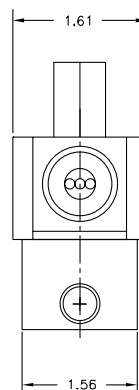
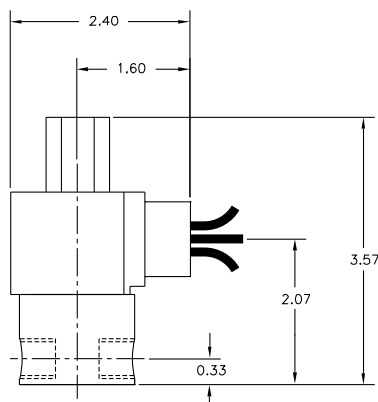
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.2



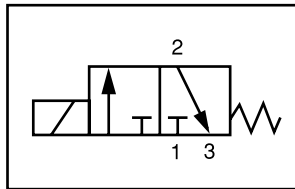




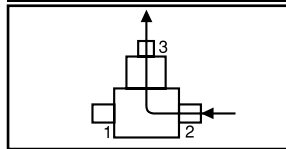
# S314 – 1/4" NPT, Brass Body, Normally Open

## Valve Selection List

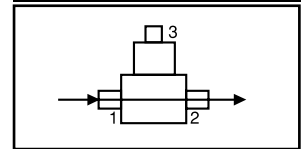
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown	
	Main	Top	Main	Top	Maximum			AC	DC	AC			DC	AC		DC
					Air/Gas	Water	Light Oil									
	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC			AC	DC		
1/4	3/64	3/64	.05	.05	150	150	150	150	—	—	295	EPR	8	9	S314GF02C8BC3	
	3/32	1/16	.20	.10	80	80	80	80	—	—	295	EPR	8	9	S314GF02C8BW7	
	3/32	3/32	.20	.20	45	45	45	45	—	—	295	EPR	8	9	S314GF02C8BC9	
	5/32	3/32	.41	.20	30	15	30	15	—	—	295	EPR	8	9	S314GF02C8BV9	
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	180	Nitrile	8	9	S314GF02N8BC3	
	3/32	1/16	.20	.10	80	80	80	80	80	80	180	Nitrile	8	9	S314GF02N8BW7	
	3/32	3/32	.20	.20	45	45	45	45	45	45	180	Nitrile	8	9	S314GF02N8BC9	
	5/32	3/32	.41	.20	30	15	30	15	30	15	180	Nitrile	8	9	S314GF02N8BV9	
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	230	Viton	8	9	S314GF02V8BC3	
	3/32	1/16	.20	.10	80	80	80	80	80	80	230	Viton	8	9	S314GF02V8BW7	
	3/32	3/32	.20	.20	45	45	45	45	45	45	230	Viton	8	9	S314GF02V8BC9	
	5/32	3/32	.41	.20	30	15	30	15	30	15	230	Viton	8	9	S314GF02V8BV9	
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	366*	Teflon	8	9	S314GF02T8BC3	
	3/32	1/16	.20	.10	80	80	80	80	80	80	366*	Teflon	8	9	S314GF02T8BW7	
	3/32	3/32	.20	.20	45	45	45	45	45	45	366*	Teflon	8	9	S314GF02T8BC9	
	5/32	3/32	.41	.20	30	15	30	15	30	15	366*	Teflon	8	9	S314GF02T8BV9	

\* Class H Coil Recommended for High Temperature Applications

# S314 – 1/4" NPT, Brass Body, Normally Open



## Part Numbering

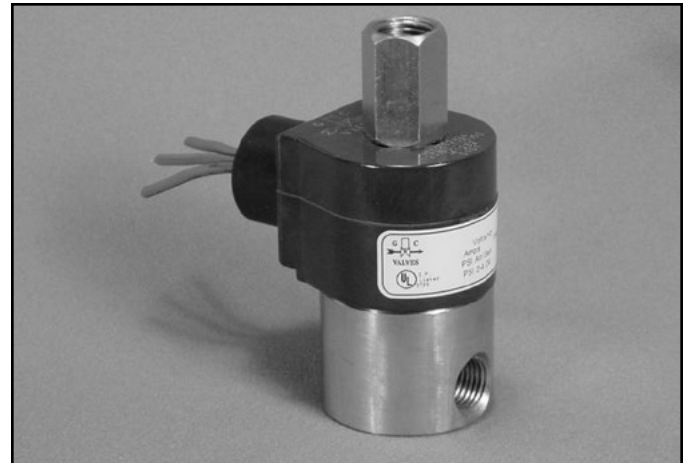
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>B</b>	<b>C</b>	<b>3</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			4: Normally Open	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	C3: 3/64" x 3/64" W7: 3/32" x 1/16" C9: 3/32" x 3/32" V9: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Open



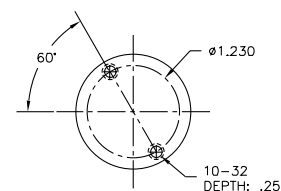
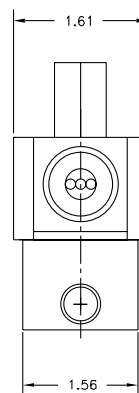
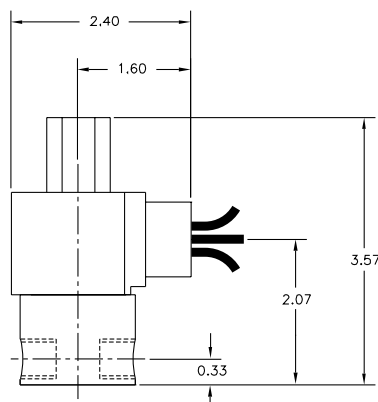
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.2

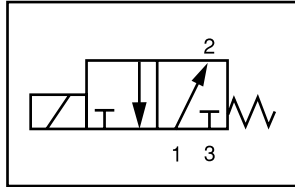




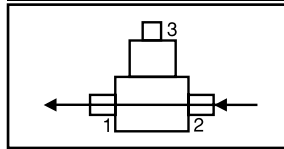
# S314 – 1/4" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

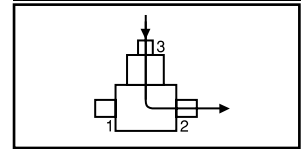
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown	
	Main	Top	Main	Top	Maximum								AC	DC		
					Air/Gas		Water		Light Oil							
					AC	DC	AC	DC	AC	DC						
																Stainless Steel Body
1/4	3/64	3/64	.05	.05	150	150	150	150	—	—	295	EPR	8	9	S314GF02C3BC3	
	3/32	1/16	.20	.10	80	80	80	80	—	—	295	EPR	8	9	S314GF02C3BW7	
	3/32	3/32	.20	.20	45	45	45	45	—	—	295	EPR	8	9	S314GF02C3BC9	
	5/32	3/32	.41	.20	30	15	30	15	—	—	295	EPR	8	9	S314GF02C3BV9	
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	180	Nitrile	8	9	S314GF02N3BC3	
	3/32	1/16	.20	.10	80	80	80	80	80	80	180	Nitrile	8	9	S314GF02N3BW7	
	3/32	3/32	.20	.20	45	45	45	45	45	45	180	Nitrile	8	9	S314GF02N3BC9	
	5/32	3/32	.41	.20	30	15	30	15	30	15	180	Nitrile	8	9	S314GF02N3BV9	
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	230	Viton	8	9	S314GF02V3BC3	
	3/32	1/16	.20	.10	80	80	80	80	80	80	230	Viton	8	9	S314GF02V3BW7	
	3/32	3/32	.20	.20	45	45	45	45	45	45	230	Viton	8	9	S314GF02V3BC9	
	5/32	3/32	.41	.20	30	15	30	15	30	15	230	Viton	8	9	S314GF02V3BV9	
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	366*	Teflon	8	9	S314GF02T3BC3	
	3/32	1/16	.20	.10	80	80	80	80	80	80	366*	Teflon	8	9	S314GF02T3BW7	
	3/32	3/32	.20	.20	45	45	45	45	45	45	366*	Teflon	8	9	S314GF02T3BC9	
	5/32	3/32	.41	.10	30	15	30	15	30	15	366*	Teflon	8	9	S314GF02T3BV9	

\* Class H Coil Recommended for High Temperature Applications

# S314 – 1/4" NPT, Stainless Steel Body, Normally Open



## Part Numbering

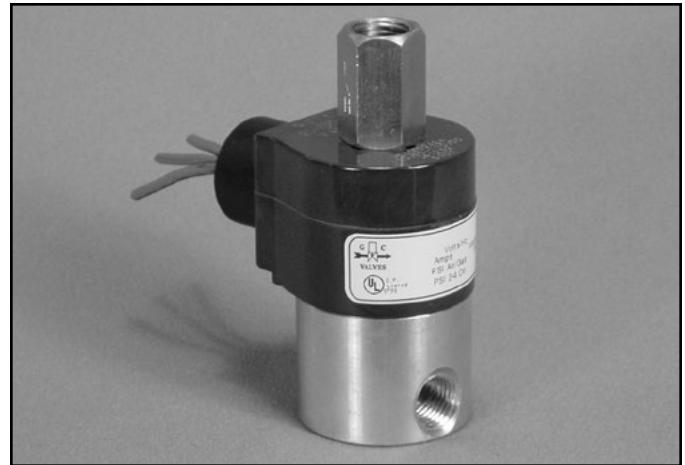
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>C</b>	<b>3</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			4: Normally Open	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	3: Stainless Steel	B: 1/4" NPT	C3: 3/64" x 3/64" W7: 3/32" x 1/16" C9: 3/32" x 3/32" V9: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

- 1/4" NPT
- Brass Body
- 3-Way Direct Acting
- Universal



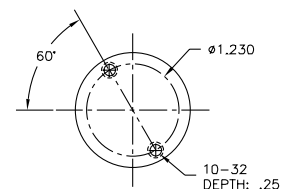
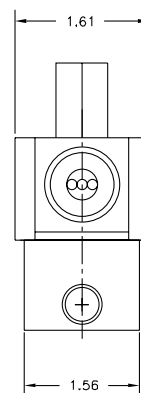
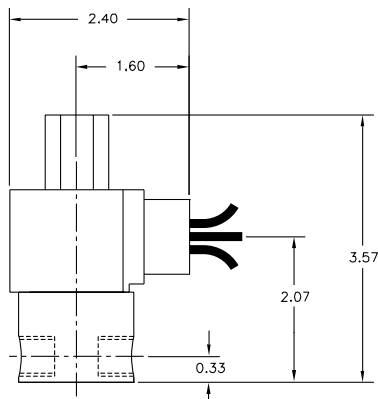
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.2

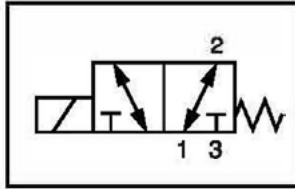




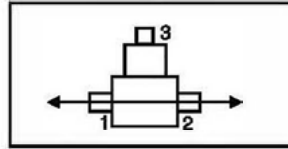
# S316 – 1/4" NPT, Brass Body, Universal

## Valve Selection List

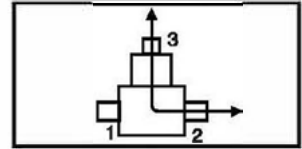
Universal



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Maximum		Water		Light Oil				AC	DC	
					AC	DC	AC	DC	AC	DC					
1/4	3/64	3/64	.05	.05	150	150	150	150	—	—	295	EPR	8	9	S316GF02C8BC3
	3/64	1/16	.05	.10	80	80	80	80	—	—	295	EPR	8	9	S316GF02C8BV1
	1/16	1/16	.10	.10	80	40	80	40	—	—	295	EPR	8	9	S316GF02C8BC5
	3/32	3/64	.20	.05	60	60	60	60	—	—	295	EPR	8	9	S316GF02C8BW3
	1/8	3/32	.27	.20	45	5	45	5	—	—	295	EPR	8	9	S316GF02C8BV3
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	180	Nitrile	8	9	S316GF02N8BC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	180	Nitrile	8	9	S316GF02N8BV1
	1/16	1/16	.10	.10	80	40	80	40	80	40	180	Nitrile	8	9	S316GF02N8BC5
	3/32	3/64	.20	.05	60	60	60	60	60	60	180	Nitrile	8	9	S316GF02N8BW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	180	Nitrile	8	9	S316GF02N8BV3
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	230	Viton	8	9	S316GF02V8BC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	230	Viton	8	9	S316GF02V8BV1
	1/16	1/16	.10	.10	80	40	80	40	80	40	230	Viton	8	9	S316GF02V8BC5
	3/32	3/64	.20	.05	60	60	60	60	60	60	230	Viton	8	9	S316GF02V8BW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	230	Viton	8	9	S316GF02V8BV3
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	366*	Teflon	8	9	S316GF02T8BC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	366*	Teflon	8	9	S316GF02T8BV1
	1/16	1/16	.10	.10	65	65	65	65	65	65	366*	Teflon	8	9	S316GF02T8BC5
	3/32	3/64	.20	.05	80	40	80	40	80	40	366*	Teflon	8	9	S316GF02T8BW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	366*	Teflon	8	9	S316GF02T8BV3

\* Class H Coil Recommended for High Temperature Applications

# S316 – 1/4" NPT, Brass Body, Universal



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>6</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>8</b>	<b>B</b>	<b>C</b>	<b>3</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			6: Universal	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	C3: 3/64" x 3/64" V1: 3/64" x 1/16" C5: 1/16" x 1/16" W3: 3/32" x 3/64" V3: 1/8" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

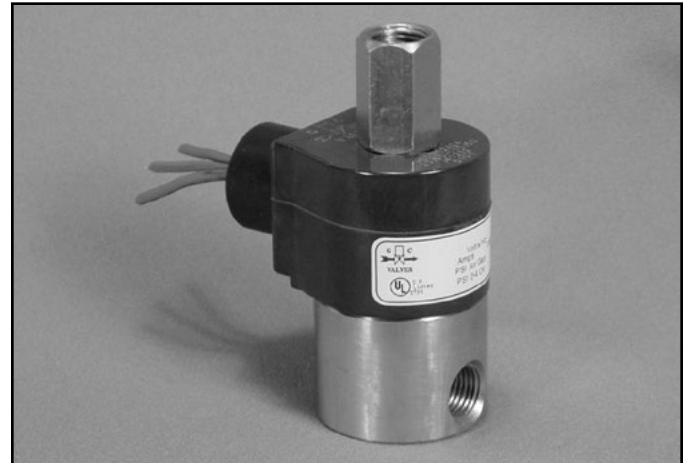
## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	36	36
	Holding	16	17



- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Universal



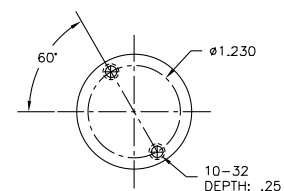
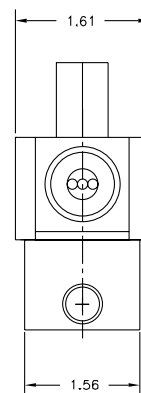
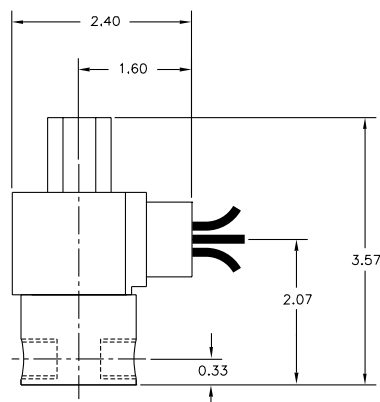
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices:      Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
1.2

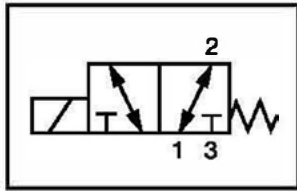




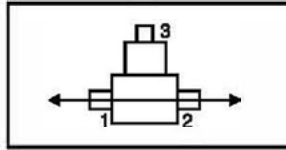
# S316 – 1/4" NPT, Stainless Steel Body, Universal

## Valve Selection List

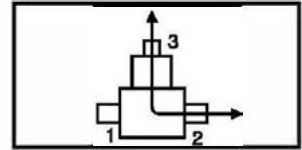
Universal



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C <sub>v</sub>		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ Shown )
	Main	Top	Main	Top	Air/Gas		Water		Light Oil				AC	DC	
					AC	DC	AC	DC	AC	DC					
	Stainless Steel Body														
1/4	3/64	3/64	.05	.05	150	150	150	150	—	—	295	EPR	8	9	S316GF02C3BC3
	3/64	1/16	.05	.10	80	80	80	80	—	—	295	EPR	8	9	S316GF02C3BV1
	1/16	1/16	.10	.10	80	40	80	40	—	—	295	EPR	8	9	S316GF02C3BC5
	3/32	3/64	.20	.05	60	60	60	60	—	—	295	EPR	8	9	S316GF02C3BW3
	1/8	3/32	.27	.20	45	5	45	5	—	—	295	EPR	8	9	S316GF02C3BV3
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	180	Nitrile	8	9	S316GF02N3BC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	180	Nitrile	8	9	S316GF02N3BV1
	1/16	1/16	.10	.10	80	40	80	40	80	40	180	Nitrile	8	9	S316GF02N3BC5
	3/32	3/64	.20	.05	60	60	60	60	60	60	180	Nitrile	8	9	S316GF02N3BW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	180	Nitrile	8	9	S316GF02N3BV3
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	230	Viton	8	9	S316GF02V3BC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	230	Viton	8	9	S316GF02V3BV1
	1/16	1/16	.10	.10	80	40	80	40	80	40	230	Viton	8	9	S316GF02V3BC5
	3/32	3/64	.20	.05	60	60	60	60	60	60	230	Viton	8	9	S316GF02V3BW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	230	Viton	8	9	S316GF02V3BV3
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	366*	Teflon	8	9	S316GF02T3BC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	366*	Teflon	8	9	S316GF02T3BV1
	1/16	1/16	.10	.10	65	65	65	65	65	65	366*	Teflon	8	9	S316GF02T3BC5
	3/32	3/64	.20	.05	80	40	80	40	80	40	366*	Teflon	8	9	S316GF02T3BW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	366*	Teflon	8	9	S316GF02T3BV3

\* Class H Coil Recommended for High Temperature Applications

# S316 – 1/4" NPT, Stainless Steel Body, Universal



## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>3</b>	<b>1</b>	<b>6</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>C</b>	<b>3</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			6: Universal	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	3: Stainless Steel	B: 1/4" NPT	C3: 3/64" x 3/64" V1: 3/64" x 1/16" C5: 1/16" x 1/16" W3: 3/32" x 3/64" V3: 1/8" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	36	36
	Holding	16	17

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