



# Mountain Controls

Website: [mountaincontrols.com](http://mountaincontrols.com)

Email: [info@mountaincontrols.com](mailto:info@mountaincontrols.com)

Phone: 206-316-2330 or 801-487-8795

Fax: 801-487-8798

## GC Valves—S40 Series Piloted Piston Valves Overview

Mountain Controls is proud to offer quality solenoid valves from GC valves. The S40 Series features the following:

- 2-way piloted piston valves
- Available in normally closed and normally open operation modes
- Vacuum to 300 psi
- Cv to 18.75
- Orifices to 1-1/8"
- Brass or stainless steel body
- Buna, Teflon, or Viton seals
- 1/4" to 1-1/4" NPT ports

### Specifications in this guide:

- [S401 1/4" NPT, Brass Body, 2-Way Piloted Piston, Normally Closed](#)
- [S401 1/4" NPT, Stainless Steel Body, 2-Way Piloted Piston, Normally Closed](#)
- [H401 1/4" NPT, Stainless Steel Body, 2-Way High Pressure Piloted Piston, Normally Closed](#)
- [S402 1/4" NPT, Brass Body, 2-Way Piloted Piston, Normally Open](#)
- [S402 1/4" NPT, Stainless Steel Body, 2-Way Piloted Piston, Normally Open](#)
- [H402 1/4" NPT, Stainless Steel Body, 2-Way High Pressure Piloted Piston, Normally Open](#)
- [S401 3/8" NPT, Brass Body, 2-Way Piloted Piston, Normally Closed](#)
- [S401 3/8" NPT, Stainless Steel Body, 2-Way Piloted Piston, Normally Closed](#)
- [H401 3/8" NPT, Stainless Steel Body, 2-Way High Pressure Piloted Piston, Normally Closed](#)
- [S402 3/8" NPT, Brass Body, 2-Way Piloted Piston, Normally Open](#)
- [S402 3/8" NPT, Stainless Steel Body, 2-Way Piloted Piston, Normally Open](#)
- [S401 1/2" NPT, Brass Body, 2-Way Piloted Piston, Normally Closed](#)
- [S401 1/2" NPT, Stainless Steel Body, 2-Way Piloted Piston, Normally Closed](#)
- [H401 1/2" NPT, Stainless Steel Body, 2-Way High Pressure Piloted Piston, Normally Closed](#)
- [S402 1/2" NPT, Brass Body, 2-Way Piloted Piston, Normally Open](#)
- [S402 1/2" NPT, Stainless Steel Body, 2-Way Piloted Piston, Normally Open](#)
- [S401 1" NPT, Brass Body, 2-Way Piloted Piston, Normally Closed](#)
- [S401 1-1/4" NPT, Brass Body, 2-Way Piloted Piston, Normally Closed](#)

## S401

- 1/4" NPT
- 2-Way Piloted Piston
- Brass Body
- Normally Closed

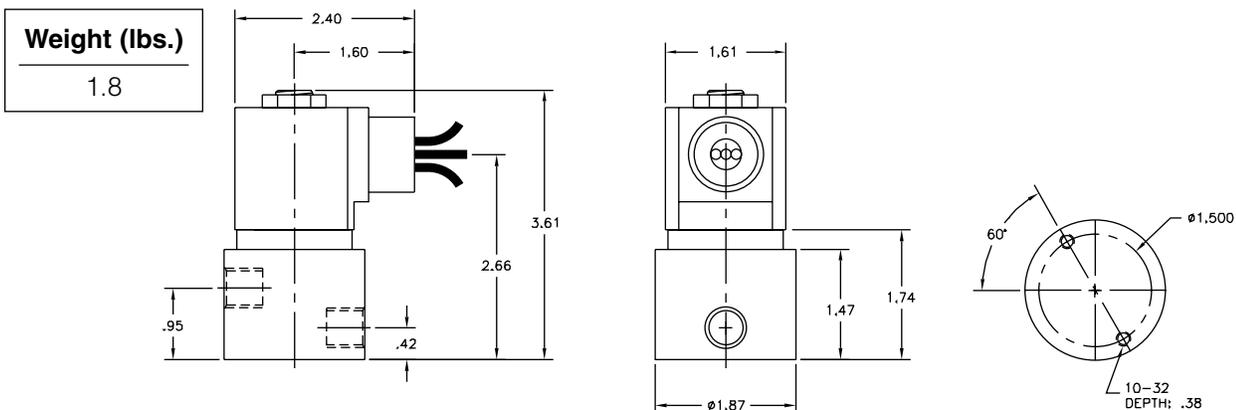


Materials	Seals:	Nitrile, Viton®, Teflon®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single 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

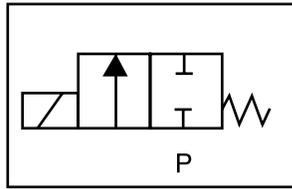




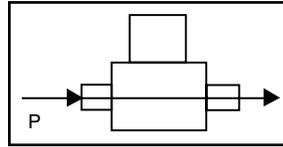
# S401 – 1/4" NPT, Brass Body, Normally Closed

## Valve Selection List

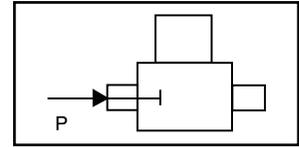
Normally Closed



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
			Maximum														AC	DC	
			Air/Gas		Water		Light Oil		#5 and #6 Heated Fuel Oil		Steam*		AC	DC					
1/4	3/8	1.1	0	300	150	300	150	—	—	—	—	—			—	295	EPR	10	10
	3/8	1.1	0	300	150	300	150	300	150	300	150	—	—	180	Nitrile	10	10	S401GF02N9BF5	
	3/8	1.1	0	300	150	300	150	300	150	300	150	—	—	230	Viton	10	10	S401GF02V9BF5	
	3/8	1.1	0	300	150	300	150	300	150	300	150	—	—	366	Teflon	10	10	S401GF02T9BF5	
	3/8	1.1	0	—	—	—	—	—	—	—	—	50*	50*	295	EPR**	10	10	S401GH02E9BF5	
	3/8	1.1	0	—	—	—	—	—	—	—	—	150*	150*	366	Teflon**	10	9	S401GH02S9BF5	

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

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>4</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>B</b>	<b>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S40			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon E: EPR** S: Teflon**	9: Brass	B: 1/4" NPT	F5: 3/8"	

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

\*\*For Steam Service

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	21

## S401

- 1/4" NPT
- 2-Way Piloted Piston
- Stainless Steel Body
- Normally Closed

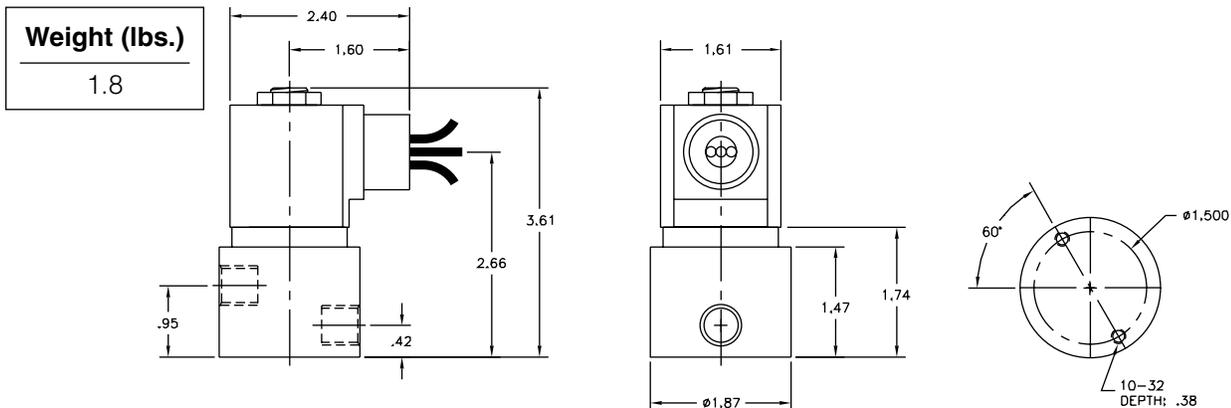


Materials	Seals:	Nitrile, Viton®, Teflon®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single 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

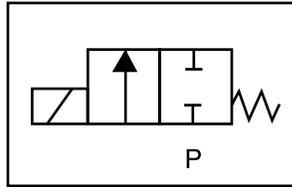




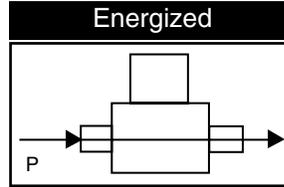
# S401 – 1/4" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

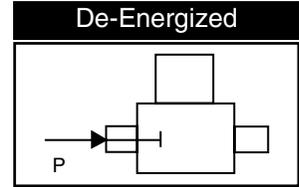
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C <sub>v</sub>	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		#5 and #6 Heated Fuel Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	
1/4	3/8	1.1	0	300	150	300	150	—	—	—	—	295	EPR	10	10	S401GF02C1BF5
	3/8	1.1	0	300	150	300	150	300	150	—	—	180	Nitrile	10	10	S401GF02N1BF5
	3/8	1.1	0	300	150	300	150	300	150	—	—	230	Viton	10	10	S401GF02V1BF5
	3/8	1.1	0	300	150	300	150	300	150	—	—	366	Teflon	10	10	S401GF02T1BF5
	3/8	1.1	0	—	—	—	—	—	—	50*	50*	295	EPR**	10	10	S401GH02E1BF5
	3/8	1.1	0	—	—	—	—	—	—	150*	150*	366	Teflon**	10	9	S401GH02S1BF5

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

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>1</b>	<b>B</b>	<b>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S40			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon E: EPR** S: Teflon**	1: Stainless Steel	B: 1/4" NPT	F5: 3/8"	

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

\*\*For Steam Service

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	46	46
	Holding	20	21

## H401

- 1/4" NPT
- High Pressure
- 2-Way Piloted Piston
- Stainless Steel Body
- Normally Closed

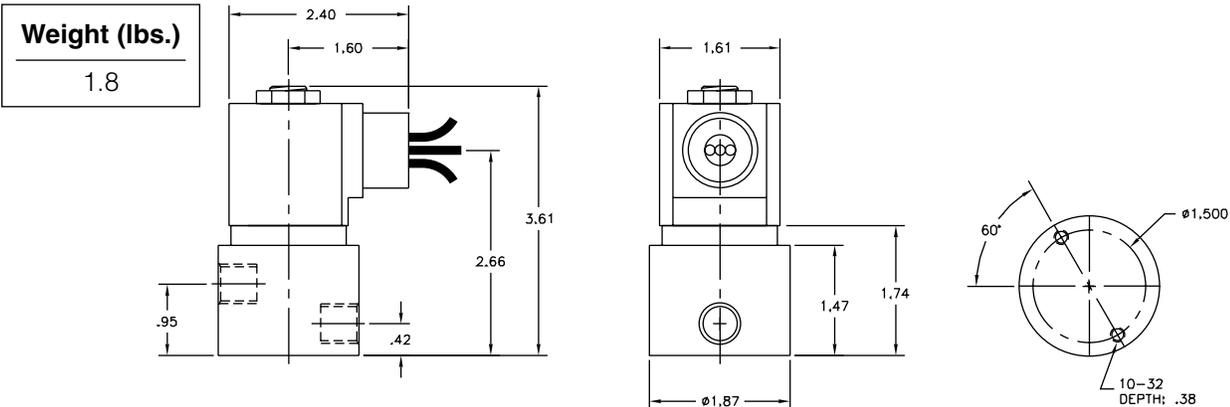


Materials	Seals:	Viton® and Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact 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 Recognized

\* Not available for all variations

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### Dimensions/Weight

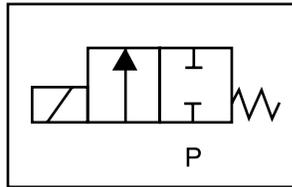




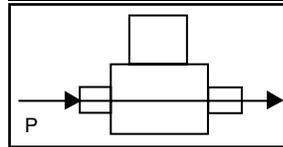
# H401 – High Pressure, 1/4" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

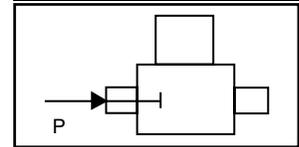
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C <sub>v</sub>	Minimum	Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code ( 120V/60HZ — 110V/50HZ ) Shown
				Maximum			AC		DC			AC	DC	
				Air/Gas	Water	Light Oil	AC	DC	AC			DC	AC	DC
1/4	3/8	1.1	0	2200	2200	2200	2200	2200	2200	230	Viton/ Teflon	10	10	H401GF02Z1BF5

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>H</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>Z</b>	<b>1</b>	<b>B</b>	<b>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
H40			1: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		Z: Viton/ Teflon	1: Stainless Steel	B: 1/4" NPT	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	21

## S402

- 1/4 NPT
- 2-Way Piloted Piston
- Brass Body
- Normally Open

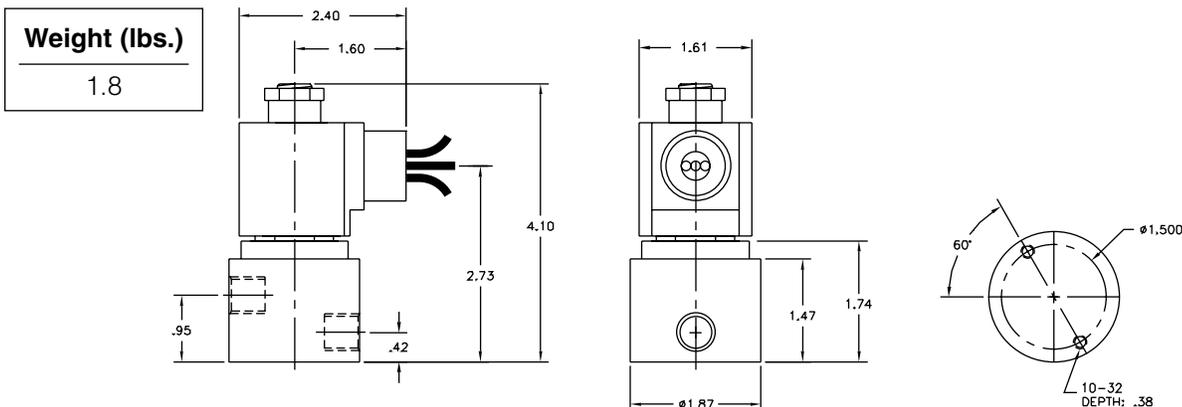


Materials	Seals:	Nitrile, Viton®, Teflon®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single 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

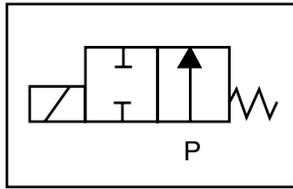




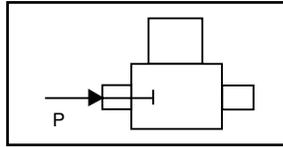
# S402 – 1/4" NPT, Brass Body, Normally Open

## Valve Selection List

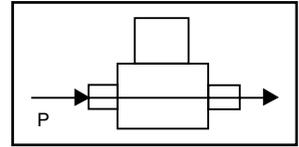
Normally Open



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	
			Minimum				Maximum						AC	DC		
			AC	DC	AC	DC	#5 and #6 Heated Fuel Oil	Steam*	AC	DC						
1/4	3/8	.8	0	300	150	300	150	—	—	—	—	295	EPR	10	10	S402GF02C9BF5
	3/8	.8	0	300	150	300	150	300	150	—	—	180	Nitrile	10	10	S402GF02N9BF5
	3/8	.8	0	300	150	300	150	300	150	—	—	230	Viton	10	10	S402GF02V9BF5
	3/8	.8	0	300	150	300	150	300	150	—	—	366	Teflon	10	10	S402GF02T9BF5
	3/8	.8	0	—	—	—	—	—	—	50*	50*	295	EPR**	10	10	S402GH02E9BF5
	3/8	.8	0	—	—	—	—	—	—	150*	150*	366	Teflon**	10	9	S402GH02S9BF5

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

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>4</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>B</b>	<b>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S40			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon E: EPR** S: Teflon**	9: Brass	B: 1/4" NPT	F5: 3/8"	

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

\*\*For Steam Service

## Coil Data

Coil Family	
Type	Size
All	S4

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

## S402

- 1/4" NPT
- 2-Way Piloted Piston
- Stainless Steel Body
- Normally Open

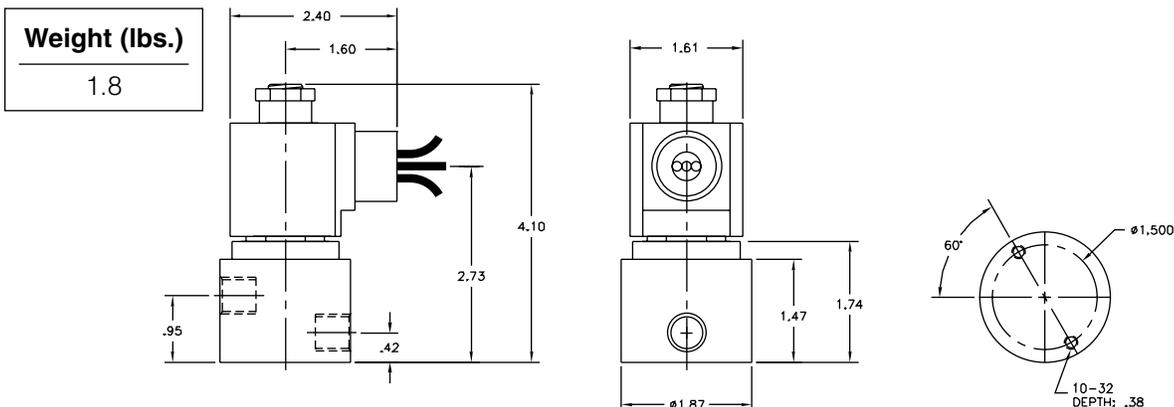


Materials	Seals:	Nitrile, Viton®, Teflon®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single 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

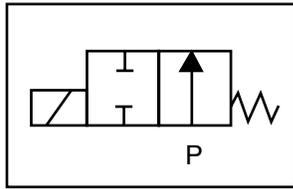




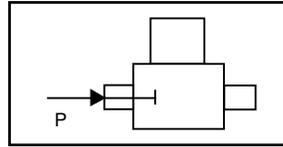
# S402 – 1/4" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

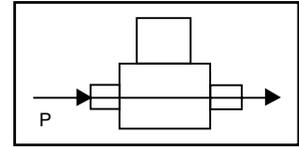
Normally Open



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	
				AC	DC	AC	DC	#5 and #6 Heated Fuel Oil	Steam*							
1/4	3/8	.8	0	300	150	300	150	—	—	—	—	295	EPR	10	10	S402GF02C1BF5
	3/8	.8	0	300	150	300	150	300	150	—	—	180	Nitrile	10	10	S402GF02N1BF5
	3/8	.8	0	300	150	300	150	300	150	—	—	230	Viton	10	10	S402GF02V1BF5
	3/8	.8	0	300	150	300	150	300	150	—	—	366	Teflon	10	10	S402GF02T1BF5
	3/8	.8	0	—	—	—	—	—	—	50*	50*	295	EPR**	10	10	S402GH02E1BF5
	3/8	.8	0	—	—	—	—	—	—	150*	150*	366	Teflon**	10	9	S402GH02S1BF5

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

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>1</b>	<b>B</b>	<b>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S40			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon E: EPR** S: Teflon**	1: Stainless Steel	B: 1/4" NPT	F5: 3/8"	
* See the "Engineering Guide" for additional voltages, variations and options.												

\*\*For Steam Service

## Coil Data

Coil Family	
Type	Size
All	S4

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

## H402

- 1/4" NPT
- High Pressure
- 2-Way Piloted Piston
- Stainless Steel Body
- Normally Open

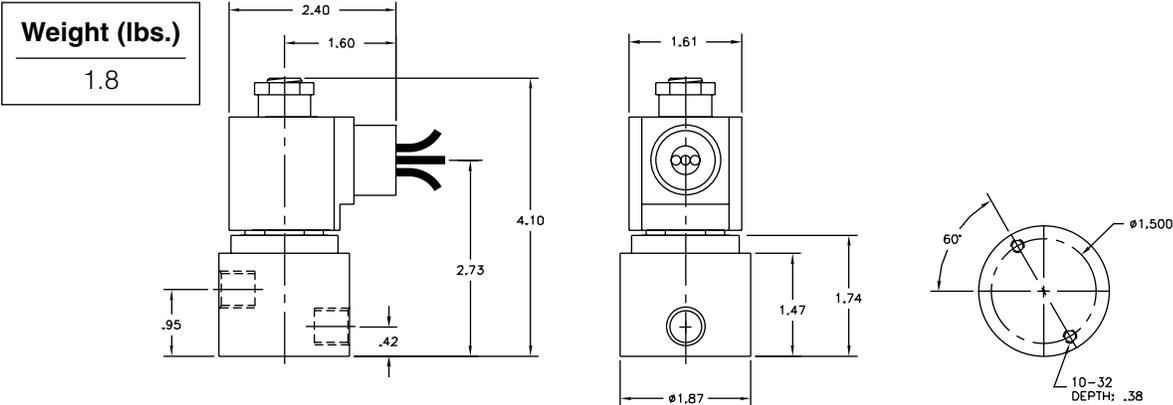


Materials	Seals:	Viton® and Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact 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 Recognized

\* Not available for all variations

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### Dimensions/Weight

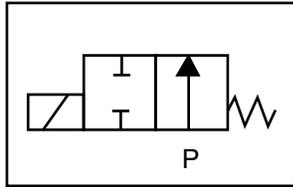




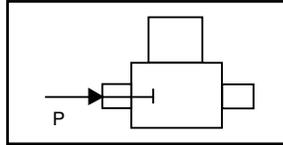
# H402 – High Pressure, 1/4" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

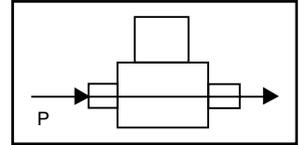
Normally Open



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						
				AC	DC	AC	DC	AC	DC			AC	DC	
1/4	3/8	.8	0	2200	2200	2200	2200	2200	2200	230	Viton/ Teflon	10	10	H402GF02Z1BF5
													Stainless Steel Body	

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>H</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>Z</b>	<b>1</b>	<b>B</b>	<b>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
H40			2: Normally Open	G: Conduit	F: Class F	02: 120/60 110/50		Z: Viton/ Teflon	1: Stainless Steel	B: 1/4" NPT	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	21

## S401

- 3/8" NPT
- 2-Way Piloted Piston
- Brass Body
- Normally Closed

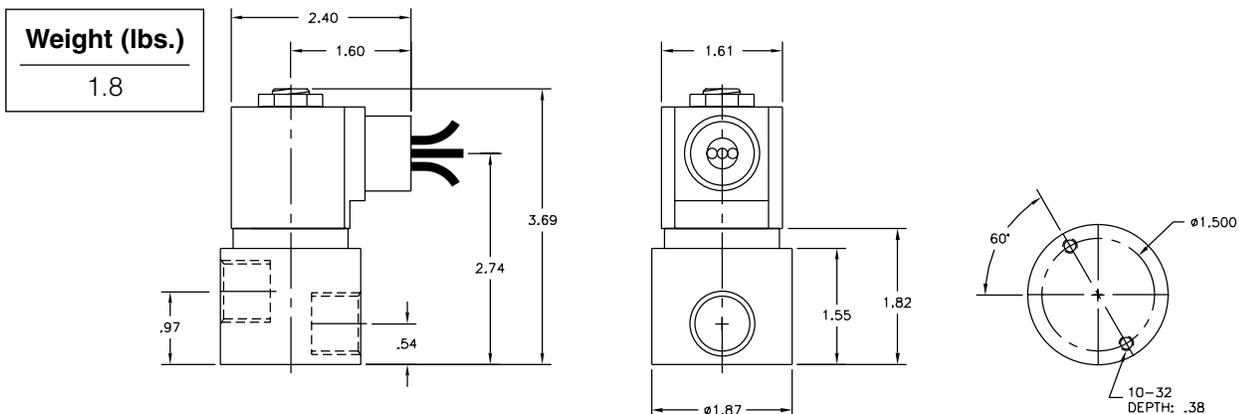


Materials	Seals:	Nitrile, Viton®, Teflon®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single 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

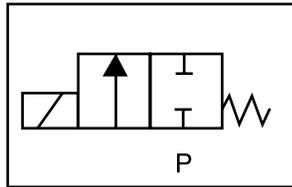




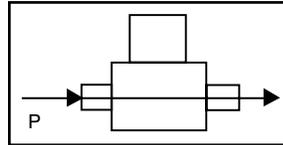
# S401 – 3/8" NPT, Brass Body, Normally Closed

## Valve Selection List

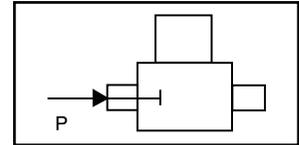
Normally Closed



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	
			Air/Gas		Water		Light Oil		#5 and #6 Heated Fuel Oil		Steam*		AC	DC					
3/8	3/8	1.5	0	300	150	300	150	—	—	—	—	—			—	295	EPR	10	10
	3/8	1.5	0	300	150	300	150	300	150	300	150	—	—	180	Nitrile	10	10	S401GF02N9CF5	
	3/8	1.5	0	300	150	300	150	300	150	300	150	—	—	230	Viton	10	10	S401GF02V9CF5	
	3/8	1.5	0	300	150	300	150	300	150	300	150	—	—	366	Teflon	10	10	S401GF02T9CF5	
	3/8	1.5	0	—	—	—	—	—	—	—	—	50*	50*	295	EPR**	10	10	S401GH02E9CF5	
	3/8	1.5	0	—	—	—	—	—	—	—	—	150*	150*	366	Teflon**	10	9	S401GH02S9CF5	

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

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>4</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>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S40			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon E: EPR** S: Teflon**	9: Brass	C: 3/8" NPT	F5: 3/8"	

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

\*\*For Steam Service

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	21

## S401

- 3/8" NPT
- 2-Way Piloted Piston
- Stainless Steel Body
- Normally Closed



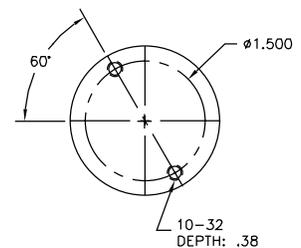
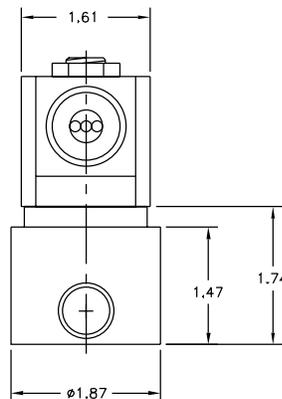
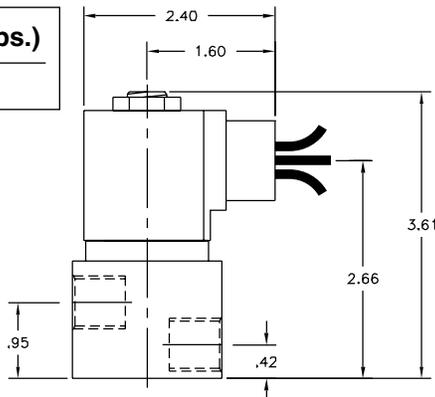
Materials	Seals:	Nitrile, Viton®, Teflon®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single 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.)**  
1.8

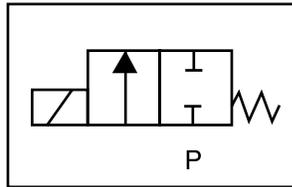




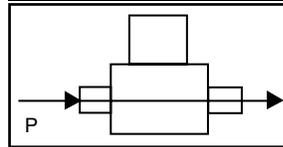
# S401 – 3/8" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

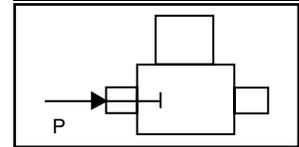
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C <sub>v</sub>	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		#5 and #6 Heated Fuel Oil		Steam*							
AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	Stainless Steel Body				
3/8	3/8	1.5	0	300	150	300	150	—	—	—	—	295	EPR	10	10	S401GF02C1CF5
	3/8	1.5	0	300	150	300	150	300	150	—	—	180	Nitrile	10	10	S401GF02N1CF5
	3/8	1.5	0	300	150	300	150	300	150	—	—	230	Viton	10	10	S401GF02V1CF5
	3/8	1.5	0	300	150	300	150	300	150	—	—	366	Teflon	10	10	S401GF02T1CF5
	3/8	1.5	0	—	—	—	—	—	—	50*	50*	295	EPR**	10	10	S401GH02E1CF5
	3/8	1.5	0	—	—	—	—	—	—	150*	150*	366	Teflon**	10	9	S401GH02S1CF5

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

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>1</b>	<b>C</b>	<b>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S40			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon E: EPR** S: Teflon**	1: Stainless Steel	C: 3/8" NPT	F5: 3/8"	
* See the "Engineering Guide" for additional voltages, variations and options.												

\*\*For Steam Service

## Coil Data

Coil Family		Frequency (Hz)		
Type	Size	60	50	
All	S4	Nominal Power (VA)		
		Inrush	46	46
		Holding	20	21

## H401

- 3/8" NPT
- High Pressure
- 2-Way Piloted Piston
- Stainless Steel Body
- Normally Closed

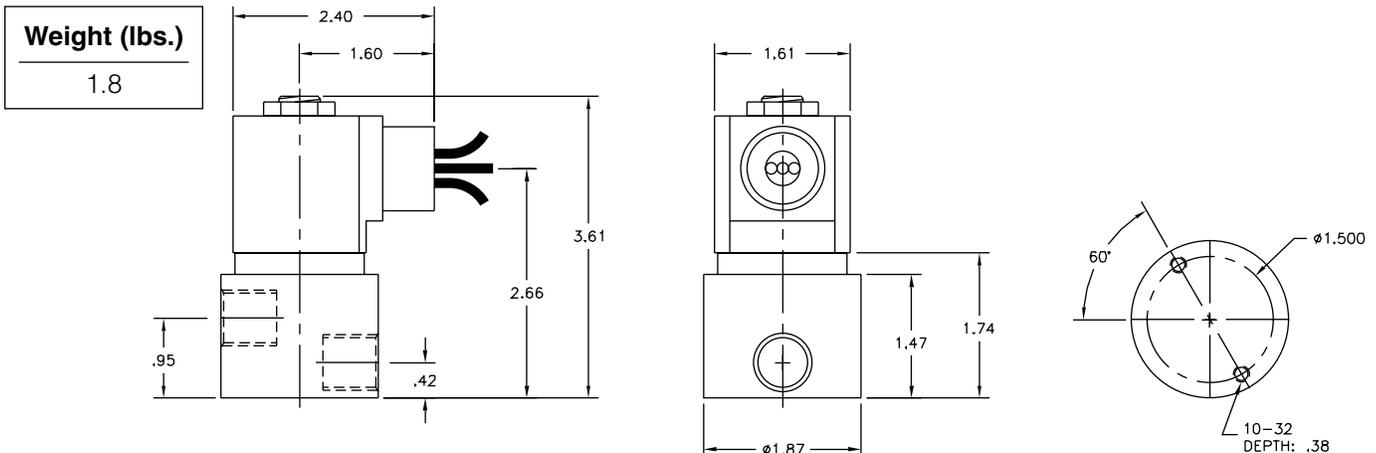


Materials	Seals:	Viton® and Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact 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 Recognized

\* Not available for all variations

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### Dimensions/Weight

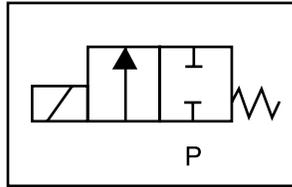




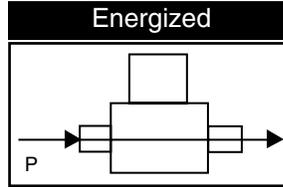
# H401 – High Pressure, 3/8" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

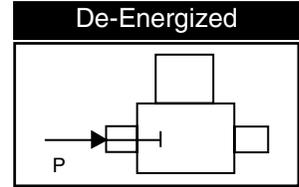
Normally Closed



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						
				AC	DC	AC	DC	AC	DC			AC	DC	Stainless Steel Body
3/8	3/8	1.5	0	2200	2200	2200	2200	2200	2200	230	Viton/ Teflon	10	10	H401GF02Z1CF5

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>H</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>Z</b>	<b>1</b>	<b>C</b>	<b>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
H40			1: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		Z: Viton/ Teflon	1: Stainless Steel	C: 3/8" NPT	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	21

## S402

- 3/8" NPT
- 2-Way Piloted Piston
- Brass Body
- Normally open

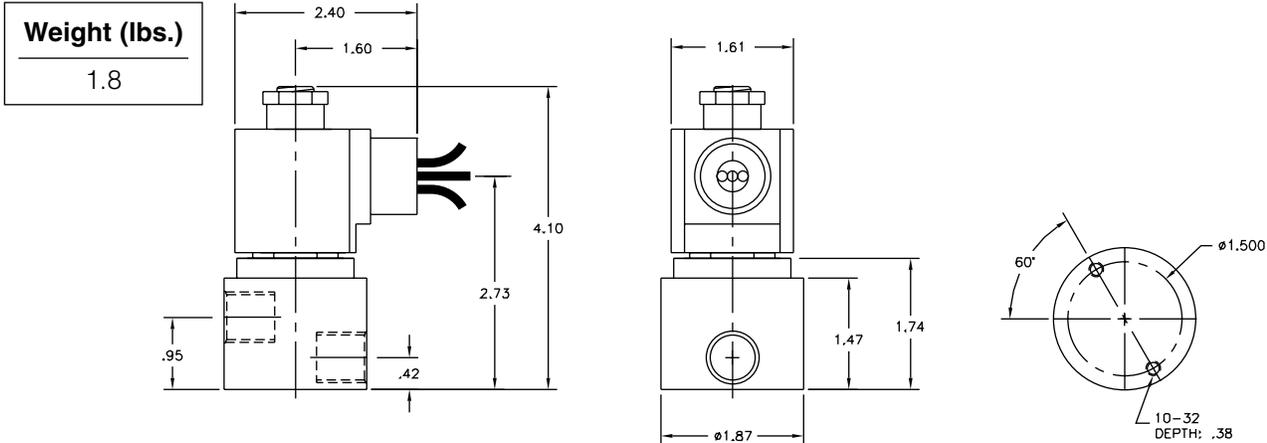


Materials	Seals:	Nitrile, Viton®, Teflon®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single 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

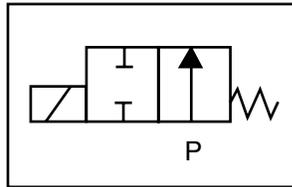




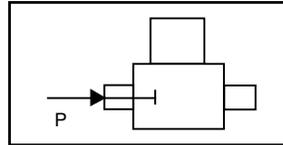
# S402 – 3/8" NPT, Brass Body, Normally Open

## Valve Selection List

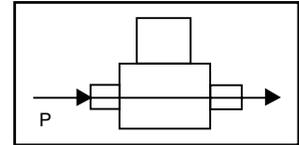
Normally Open



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	
			Minimum				Maximum						AC	DC		
			AC	DC	AC	DC	#5 and #6 Heated Fuel Oil	Steam*	AC	DC						
3/8	3/8	1.0	0	300	150	300	150	—	—	—	—	295	EPR	10	10	S402GF02C9CF5
	3/8	1.0	0	300	150	300	150	300	150	—	—	180	Nitrile	10	10	S402GF02N9CF5
	3/8	1.0	0	300	150	300	150	300	150	—	—	230	Viton	10	10	S402GF02V9CF5
	3/8	1.0	0	300	150	300	150	300	150	—	—	366	Teflon	10	10	S402GF02T9CF5
	3/8	1.0	0	—	—	—	—	—	—	50*	50*	295	EPR**	10	10	S402GH02E9CF5
	3/8	1.0	0	—	—	—	—	—	—	150*	150*	366	Teflon**	10	9	S402GH02S9CF5

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

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>4</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>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S40			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon E: EPR** S: Teflon**	9: Brass	C: 3/8" NPT	F5: 3/8"	

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

\*\*For Steam Service

## Coil Data

Coil Family	
Type	Size
All	S4

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

## S402

- 3/8" NPT
- 2-Way Piloted Piston
- Stainless Steel Body
- Normally Open

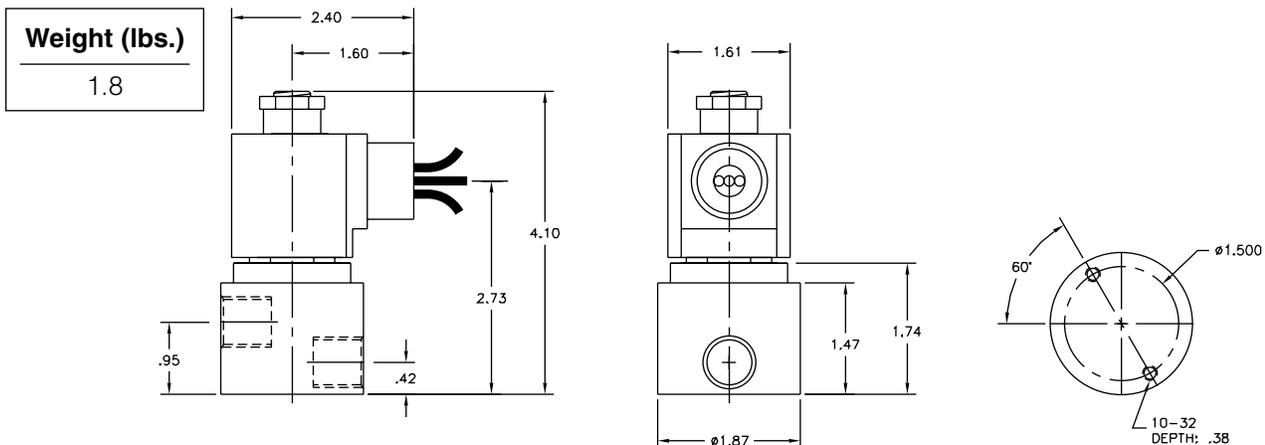


Materials	Seals:	Nitrile, Viton®, Teflon®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single 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

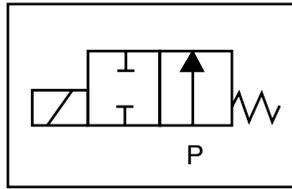




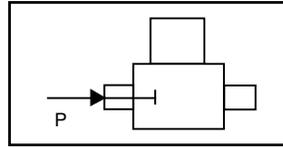
# S402 – 3/8" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

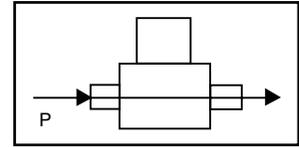
Normally Open



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	
			Minimum				Maximum						AC	DC		
			AC	DC	AC	DC	#5 and #6 Heated Fuel Oil	AC	DC	AC					DC	
3/8	3/8	1.0	0	300	150	300	150	—	—	—	—	295	EPR	10	10	S402GF02C1CF5
	3/8	1.0	0	300	150	300	150	300	150	—	—	180	Nitrile	10	10	S402GF02N1CF5
	3/8	1.0	0	300	150	300	150	300	150	—	—	230	Viton	10	10	S402GF02V1CF5
	3/8	1.0	0	300	150	300	150	300	150	—	—	366	Teflon	10	10	S402GF02T1CF5
	3/8	1.0	0	—	—	—	—	—	—	50*	50*	295	EPR**	10	10	S402GH02E1CF5
	3/8	1.0	0	—	—	—	—	—	—	150*	150*	366	Teflon**	10	9	S402GH02S1CF5

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

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>1</b>	<b>C</b>	<b>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S40			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon E: EPR** S: Teflon**	1: Stainless Steel	C: 3/8" NPT	F5: 3/8"	

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

\*\*For Steam Service

## Coil Data

Coil Family	
Type	Size
All	S4

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

## S401

- 1/2" NPT
- 2-Way Piloted Piston
- Brass Body
- Normally Closed



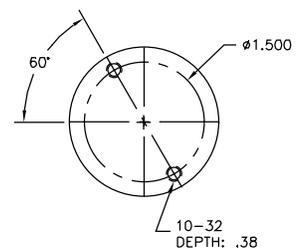
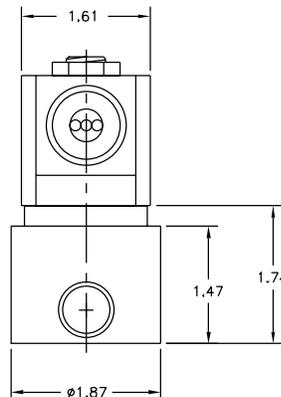
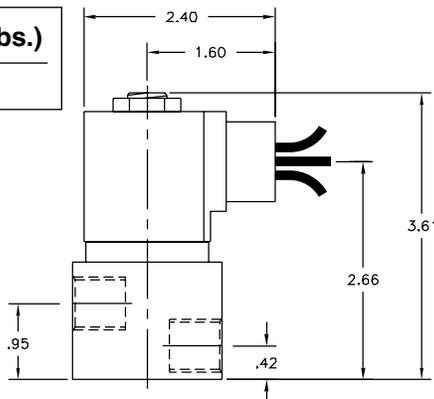
Materials	Seals:	Nitrile, Viton®, Teflon®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single 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.)**  
2.0

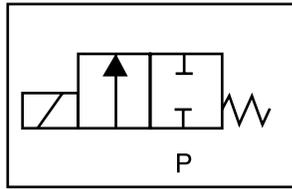




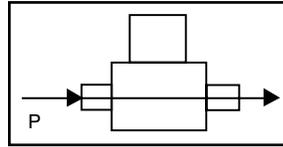
# S401 – 1/2" NPT, Brass Body, Normally Closed

## Valve Selection List

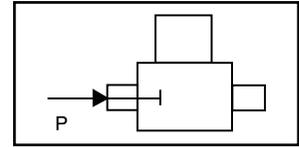
Normally Closed



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	
			Air/Gas		Water		Light Oil		#5 and #6 Heated Fuel Oil		Steam*		AC	DC					
1/2	3/8	1.5	0	300	150	300	150	—	—	—	—	—			—	295	EPR	10	10
	3/8	1.5	0	300	150	300	150	300	150	300	150	—	—	180	Nitrile	10	10	S401GF02N9DF5	
	3/8	1.5	0	300	150	300	150	300	150	300	150	—	—	230	Viton	10	10	S401GF02V9DF5	
	3/8	1.5	0	300	150	300	150	300	150	300	150	—	—	366	Teflon	10	10	S401GF02T9DF5	
	3/8	1.5	0	—	—	—	—	—	—	—	—	50*	50*	295	EPR**	10	10	S401GH02E9DF5	
	3/8	1.5	0	—	—	—	—	—	—	—	—	150*	150*	366	Teflon**	10	9	S401GH02S9DF5	

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

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>4</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>D</b>	<b>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S40			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon E: EPR** S: Teflon**	9: Brass	D: 1/2" NPT	F5: 3/8"	

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

\*\*For Steam Service

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	21

## S401

- 1/2" NPT
- 2-Way Piloted Piston
- Stainless Steel Body
- Normally Closed

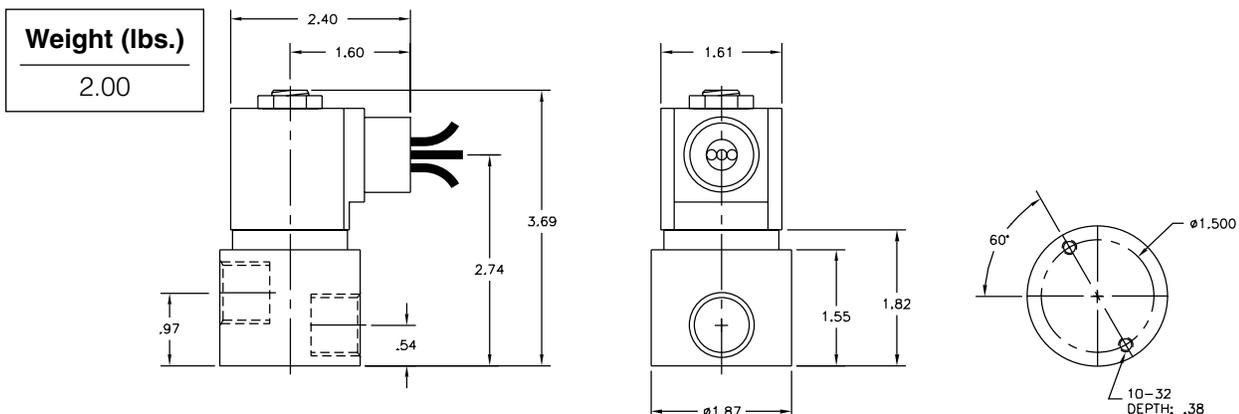


Materials	Seals:	Nitrile, Viton®, Teflon®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single 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

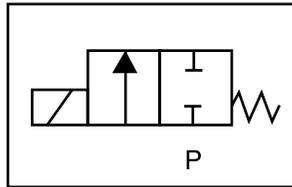




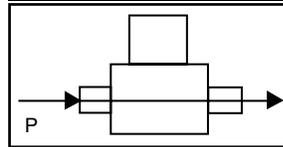
# S401 – 1/2" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

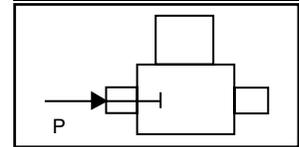
Normally Closed



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	
			Maximum										AC	DC		
			Air/Gas		Water		#5 and #6 Heated Fuel Oil		Steam						AC	DC
			Minimum	AC	DC	AC	DC	AC	DC	AC	DC				Stainless Steel Body	
1/2	3/8	1.5	0	300	150	300	150	—	—	—	—	295	EPR	10	10	S401GF02C1DF5
	3/8	1.5	0	300	150	300	150	300	150	—	—	180	Nitrile	10	10	S401GF02N1DF5
	3/8	1.5	0	300	150	300	150	300	150	—	—	230	Viton	10	10	S401GF02V1DF5
	3/8	1.5	0	300	150	300	150	300	150	—	—	366	Teflon	10	10	S401GF02T1DF5
	3/8	1.5	0	—	—	—	—	—	—	50*	50*	295	EPR**	10	10	S401GH02E1DF5
	3/8	1.5	0	—	—	—	—	—	—	150*	150*	366	Teflon**	10	9	S401GH02S1DF5

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

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>1</b>	<b>D</b>	<b>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S40			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon E: EPR** S: Teflon**	1: Stainless Steel	D: 1/2" NPT	F5: 3/8"	

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

\*\*For Steam Service

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	21

## H401

- 1/2" NPT
- High Pressure
- 2-Way Piloted Piston
- Stainless Steel Body
- Normally Closed



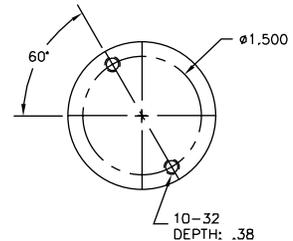
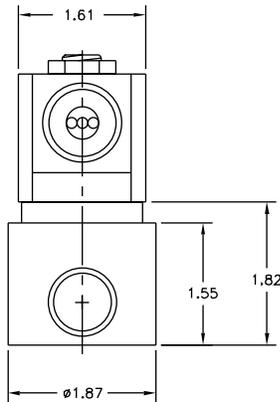
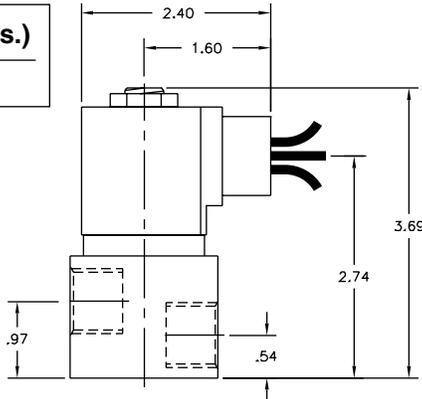
Materials	Seals:	Viton® and Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact 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 Recognized

\* Not available for all variations

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### Dimensions/Weight

**Weight (lbs.)**  
2.0

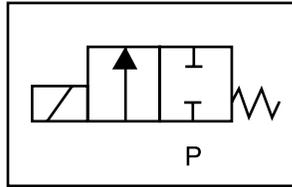




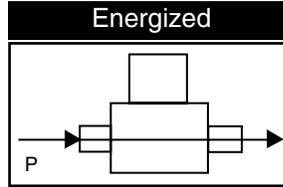
# H401 – High Pressure, 1/2" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

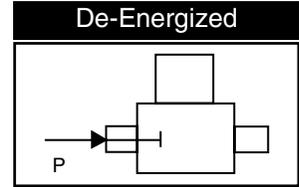
Normally Closed



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						
				AC	DC	AC	DC	AC	DC			AC	DC	
1/2	3/8	1.5	0	2200	2200	2200	2200	2200	2200	230	Viton/ Teflon	10	10	H401GF02Z1DF5
													Stainless Steel Body	

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>H</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>Z</b>	<b>1</b>	<b>D</b>	<b>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
H40			1: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		K: Viton/ Teflon	1: Stainless Steel	D: 1/2" NPT	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	21



## S402

- 1/2" NPT
- 2-Way Piloted Piston
- Brass Body
- Normally Open

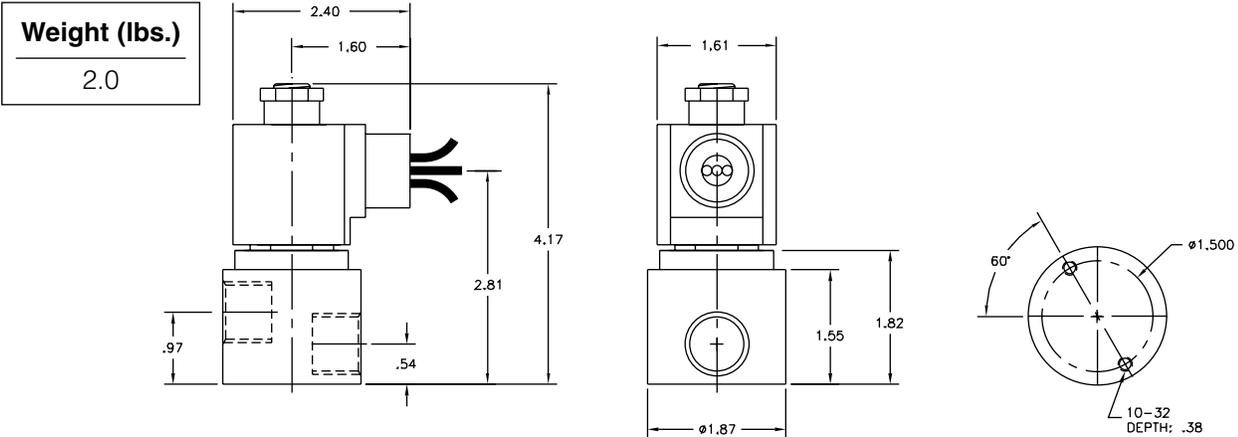


Materials	Seals:	Nitrile, Viton®, Teflon®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single 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

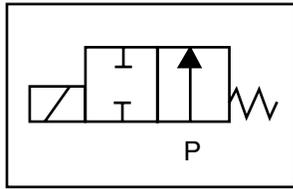




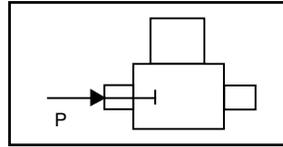
# S402 – 1/2" NPT, Brass Body, Normally Open

## Valve Selection List

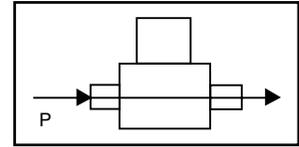
Normally Open



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	
			Minimum				Maximum						AC	DC		
			AC	DC	AC	DC	AC	DC	#5 and #6 Heated Fuel Oil	Steam*						
1/2	3/8	1.0	0	300	150	300	150	—	—	—	—	295	EPR	10	10	S402GF02C9DF5
	3/8	1.0	0	300	150	300	150	300	150	—	—	180	Nitrile	10	10	S402GF02N9DF5
	3/8	1.0	0	300	150	300	150	300	150	—	—	230	Viton	10	10	S402GF02V9DF5
	3/8	1.0	0	300	150	300	150	300	150	—	—	366	Teflon	10	10	S402GF02T9DF5
	3/8	1.0	0	—	—	—	—	—	—	50*	50*	295	EPR**	10	10	S402GH02E9DF5
	3/8	1.0	0	—	—	—	—	—	—	150*	150*	366	Teflon**	10	9	S402GH02S9DF5

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

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>4</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>D</b>	<b>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S40			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon E: EPR** S: Teflon**	9: Brass	D: 1/2" NPT	F5: 3/8"	

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

\*\*For Steam Service

## Coil Data

Coil Family	
Type	Size
All	S4

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

## S402

- 1/2" NPT
- 2-Way Piloted Piston
- Stainless Steel Body
- Normally Open

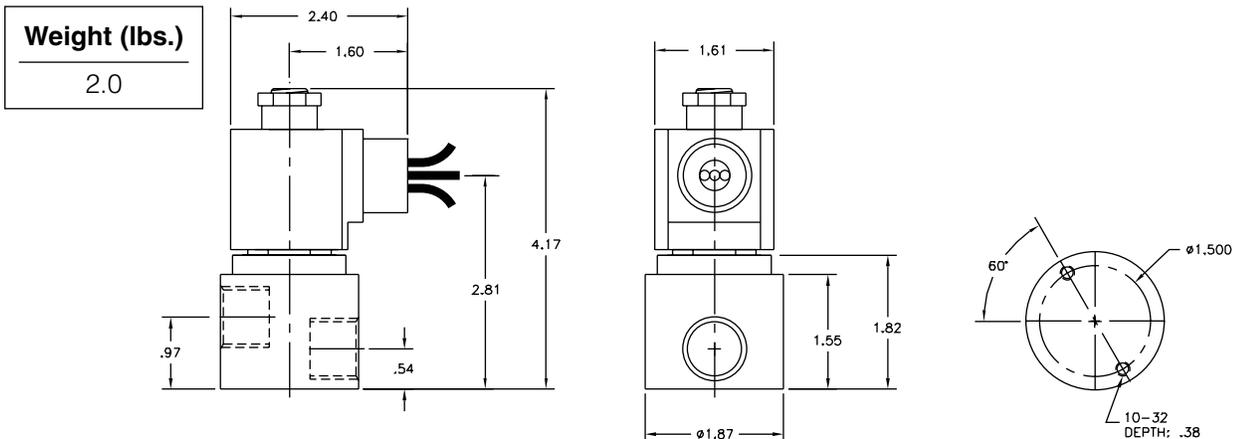


Materials	Seals	Nitrile, Viton®, Teflon®, Ethylene Propylene
	Orifice      Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single 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

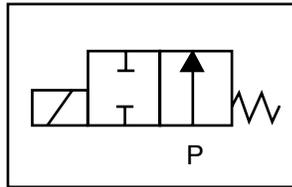




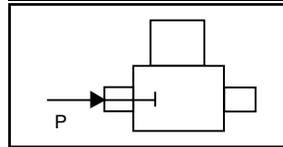
# S402 – 1/2" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

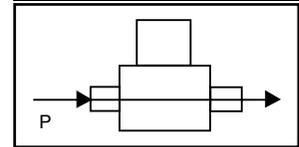
Normally Open



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		#5 and #6 Heated Fuel Oil		Steam*							
			AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC	DC
1/2	3/8	1.0	0	300	150	300	150	—	—	—	—	295	EPR	10	10	S402GF02C1DF5
	3/8	1.0	0	300	150	300	150	300	150	—	—	180	Nitrile	10	10	S402GF02N1DF5
	3/8	1.0	0	300	150	300	150	300	150	—	—	230	Viton	10	10	S402GF02V1DF5
	3/8	1.0	0	300	150	300	150	300	150	—	—	366	Teflon	10	10	S402GF02T1DF5
	3/8	1.0	0	—	—	—	—	—	—	50*	50*	295	EPR**	10	10	S402GH02E1DF5
	3/8	1.0	0	—	—	—	—	—	—	150*	150*	366	Teflon**	10	9	S402GH02S1DF5

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

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>1</b>	<b>D</b>	<b>F</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S40			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon E: EPR** S: Teflon**	1: Stainless Steel	D: 1/2" NPT	F5: 3/8"	
* See the "Engineering Guide" for additional voltages, variations and options.												

\*\*For Steam Service

## Coil Data

Coil Family	
Type	Size
All	S4

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

## S401

- 1" NPT
- 2-Way Piloted Piston
- Brass Body
- Normally Closed



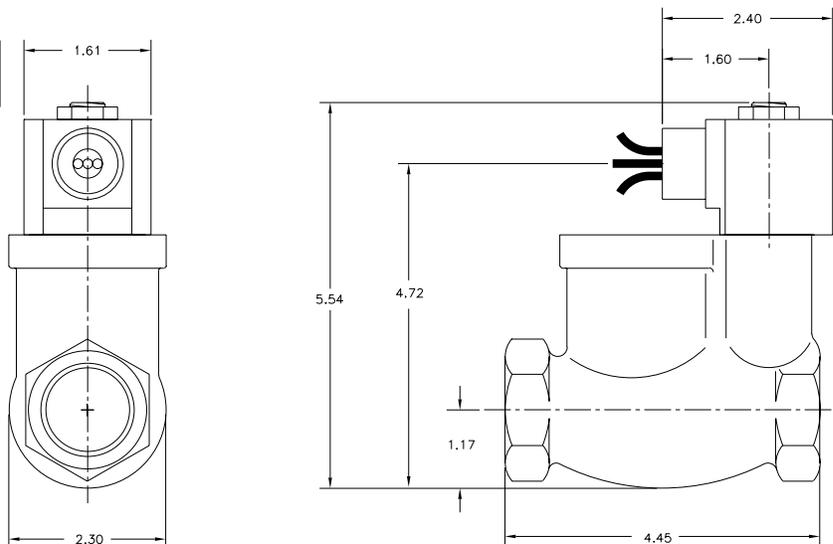
Materials	Seals:	Viton®
	Body:	Brass
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	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°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Listed

\* Not available for all variations

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### Dimensions/Weight

<b>Weight (lbs.)</b>
1.8

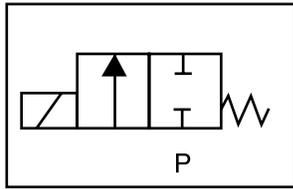




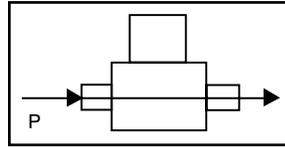
# S401 – 1" NPT, Brass Body, Normally Closed

## Valve Selection List

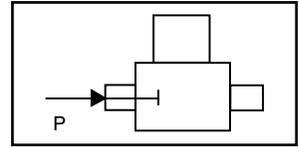
Normally Closed



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				AC	DC	
				Air/Gas		Water		Light Oil		#5 and #6 Heated Fuel Oil				AC	DC	AC
1	15/16	11.5	5	100	100	100	100	100	100	150	100	230	Viton	10	10	S401GF02V5FG7

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>V</b>	<b>5</b>	<b>F</b>	<b>G</b>	<b>7</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S40			1: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		V: Viton	5: Brass	F: 1" NPT	G7: 15/16"	
* 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	20

## S401

- 1-1/4" NPT
- 2-Way Piloted Piston
- Brass Body
- Normally Closed



Materials	Seals:	Viton®
	Body:	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°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Listed

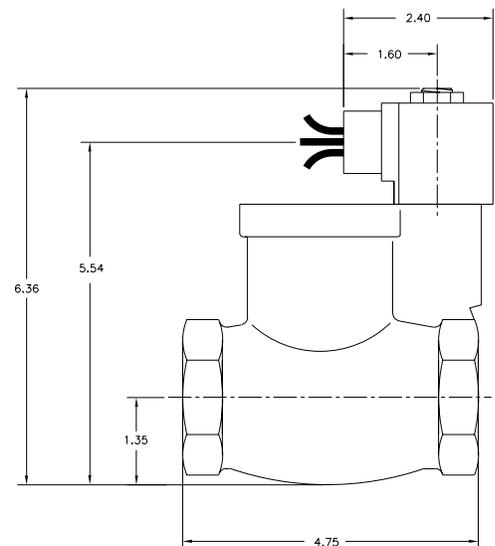
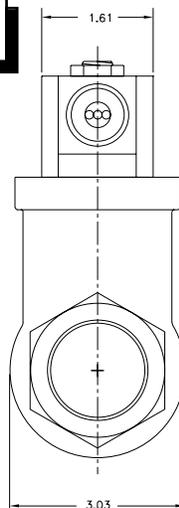
\* Not available for all variations

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### Dimensions/Weight

**Weight (lbs.)**

1.8

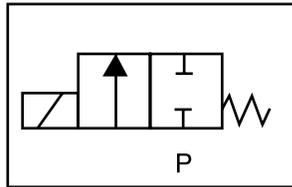




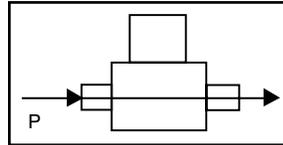
# S401 – 1 1/4" NPT, Brass Body, Normally Closed

## Valve Selection List

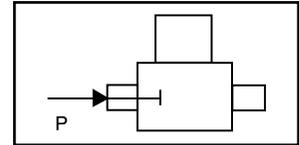
Normally Closed



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				AC	DC	
				Air/Gas		Water		Light Oil		#5 and #6 Heated Fuel Oil				AC	DC	AC
1 1/4	1 1/8	18.8	5	100	100	100	100	100	100	150	100	230	Viton	10	10	S401GF02V5GJ1

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>V</b>	<b>5</b>	<b>G</b>	<b>J</b>	<b>1</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S40			1: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		V: Viton	5: Brass	G: 1 1/4" NPT	J1: 1 1/8"	
* 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	20
		21

# Mountain Controls



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[www.mountaincontrols.com](http://www.mountaincontrols.com)

[info@mountaincontrols.com](mailto:info@mountaincontrols.com)