

# Mountain Controls

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## GC Valves—S20 and S27 Series Overview

Mountain Controls is proud to offer quality solenoid valves from GC valves. The S20 and S27 Series features the following:

- 2-way zero pressure differential piloted diaphragm valves and 3-way pilot operated valves
- Available in normally closed and normally open operation modes
- 0 to 200 psi
- Cv to 28
- Orifices to 1-1/4"
- Brass or stainless steel body
- Buna, EPR, NORYL, Plastic, or Viton seals
- 3/8" to 2" NPT ports

## Specifications in this guide:

### *S20 Series, 2-Way Zero Differential Piloted Diaphragm*

- [3/8" NPT, Brass Body, Normally Closed](#)
- [3/8" NPT, Type 316 SS Body, Normally Closed](#)
- [3/8" NPT, Brass Body, Normally Open](#)
- [3/8" NPT, Type 316 SS Body, Normally Open](#)
- [1/2" NPT, Brass Body, Normally Closed](#)
- [1/2" NPT, Type 316 SS Body, Normally Closed](#)
- [1/2" NPT, Brass Body, Normally Open](#)
- [1/2" NPT, Type 316 SS Body, Normally Open](#)
- [3/4" NPT, Brass Body, Normally Closed](#)
- [3/4" NPT, Type 316 SS Body, Normally Closed](#)
- [3/4" NPT, Brass Body, Normally Open](#)
- [3/4" NPT, Type 316 SS Body, Normally Open](#)
- [1" NPT, Brass Body, Normally Closed](#)
- [1" NPT, Type 316 SS Body, Normally Closed](#)
- [1-1/4" NPT, Brass Body, Normally Closed](#)
- [1-1/4" NPT, Type 316 SS Body, Normally Closed](#)
- [1-1/2" NPT, Brass Body, Normally Closed](#)
- [1-1/2" NPT, Type 316 SS Body, Normally Closed](#)

### *S20 Series, 3-Way Pilot-Operated*

- [3/8" NPT, Brass Body, Normally Closed](#)
- [3/8" NPT, Brass Body, Normally Open](#)
- [1/2" NPT, Brass Body, Normally Closed](#)
- [1/2" NPT, Brass Body, Normally Open](#)

## ***S27 Series, 2-Way Zero Differential Piloted Diaphragm***

- [1" NPT, Brass Body, Normally Closed](#)
- [1" NPT, Type 316 SS Body, Normally Closed](#)
- [1" NPT, Brass Body, Normally Open](#)
- [1" NPT, Type 316 SS Body, Normally Open](#)
- [1-1/4" NPT, Brass Body, Normally Closed](#)
- [1-1/4" NPT, Type 316 SS Body, Normally Closed](#)
- [1-1/4" NPT, Brass Body, Normally Open](#)
- [1-1/2" NPT, Brass Body, Normally Closed](#)
- [1-1/2" NPT, Type 316 SS Body, Normally Closed](#)
- [1-1/2" NPT, Brass Body, Normally Open](#)
- [1-1/2" NPT, Type 316 SS Body, Normally Open](#)
- [2" NPT, Brass Body, Normally Closed](#)
- [2" NPT, Type 316 SS Body, Normally Closed](#)
- [2" NPT, Brass Body, Normally Open](#)
- [2" NPT, Type 316 SS Body, Normally Open](#)

- 3/8" NPT
- Brass Body
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Closed



Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 5/8"
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

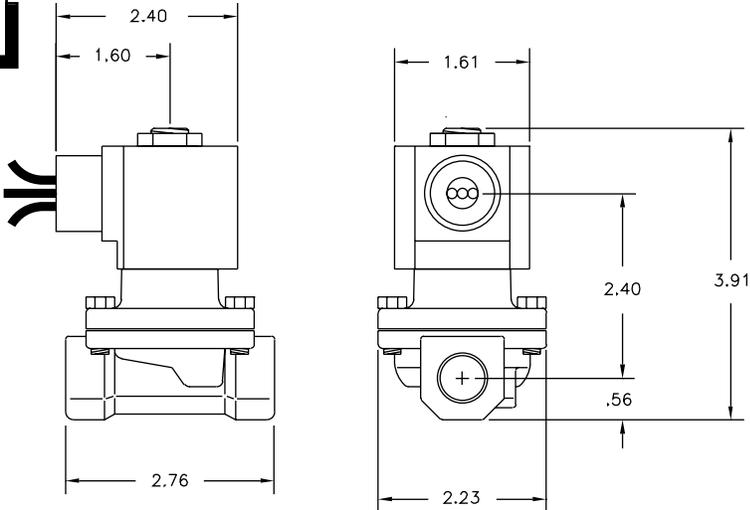
\* Not available for all variations

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## Dimensions/Weight

Weight (lbs.)

2.0

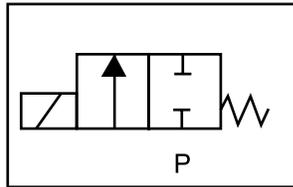




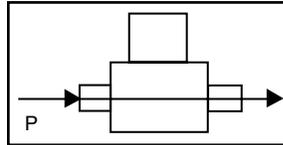
# S201 – 3/8" NPT, Brass Body, Normally Closed

## Valve Selection List

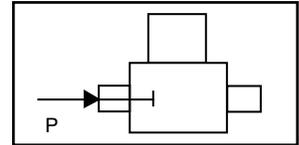
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C <sub>v</sub>	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
3/8	5/8	4.3	0	140	90	100	50	—	—	—	295	EPR	10	10	S201GF02C5CG4
	5/8	4.3	0	140	90	140	90	90	70	—	180	Nitrile	10	10	S201GF02N5CG4
	5/8	4.3	0	140	90	140	90	90	70	—	230	Viton	10	10	S201GF02V5CG4
	5/8	4.3	0	—	—	—	—	—	—	50*	295	EPR	10	—	S201GH02C5CG4

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

## Part Numbering

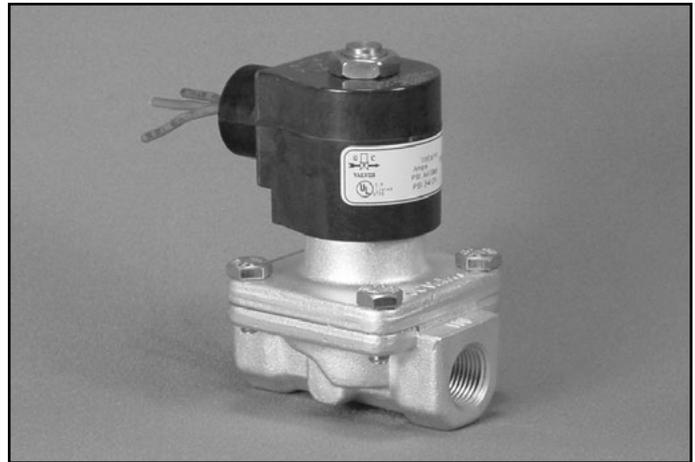
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>C</b>	<b>G</b>	<b>4</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	C: 3/8" NPT	G4: 5/8"	
* 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
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Closed



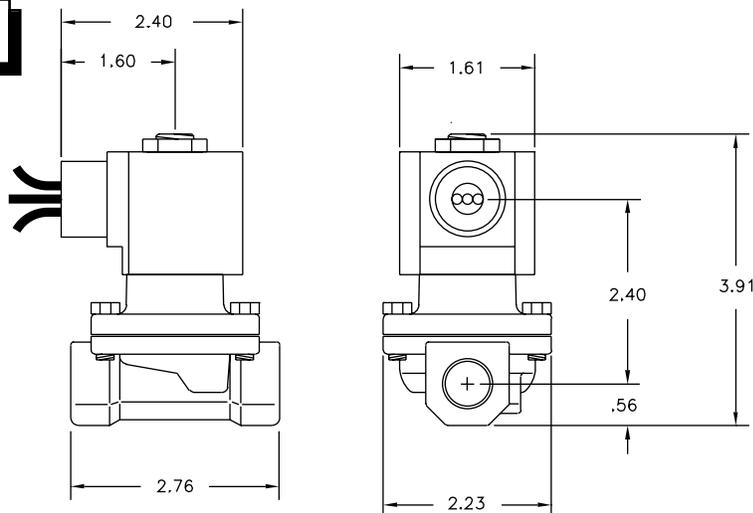
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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

<b>Weight (lbs.)</b>
2.0

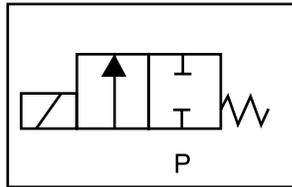




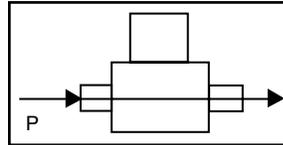
# S201 – 3/8" NPT, Stainless Steel Body-Type 316, Normally Closed

## Valve Selection List

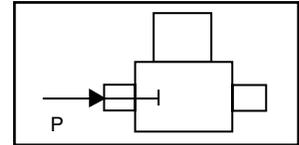
Normally Closed



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
3/8	5/8	4.3	0	140	90	100	50	—	—	—	295	EPR	10	10	S201GF02E7CG4	
	5/8	4.3	0	140	90	140	90	90	70	—	180	Nitrile	10	10	S201GF02J7CG4	
	5/8	4.3	0	140	90	140	90	90	70	—	230	Viton	10	10	S201GF02L7CG4	
	5/8	4.3	0	—	—	—	—	—	—	50*	295	EPR	10	—	S201GH02E7CG4	

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

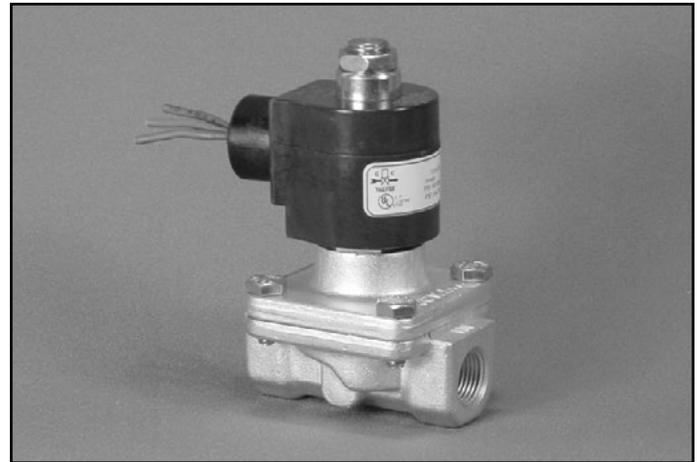
## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	C: 3/8" NPT	G4: 5/8"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family					
Type	Size	Frequency (Hz)			
All	S4	60	50		
		Nominal Power (VA)	Inrush	46	46
			Holding	18	23

- 3/8" NPT
- Brass Body
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Open



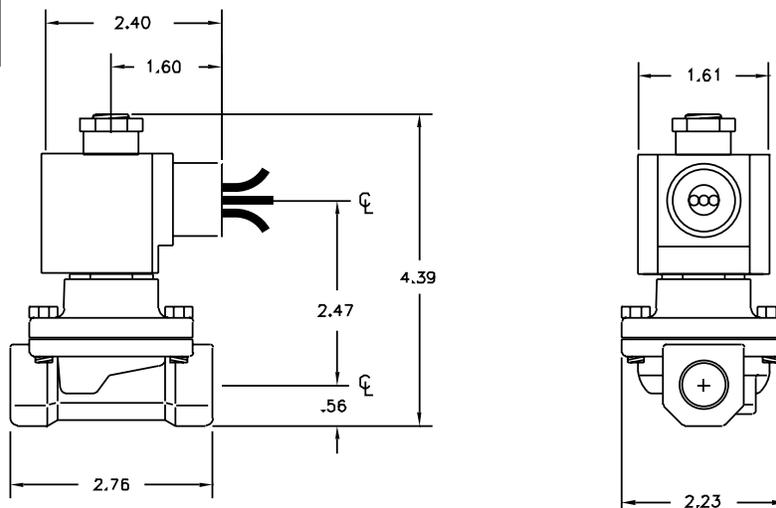
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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

<b>Weight (lbs.)</b>
2.0

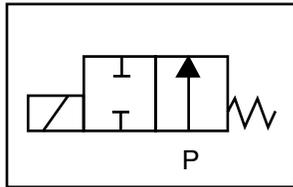




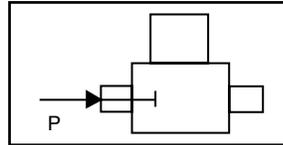
# S202 – 3/8" NPT, Brass Body, Normally Open

## Valve Selection List

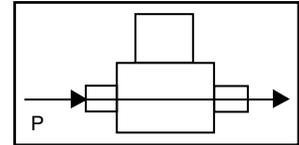
Normally Open



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						
3/8	5/8	3.3	0	200	125	200	125	—	—	—	295	EPR	11	10	S202GF02C5CG4
	5/8	3.3	0	200	125	200	125	200	125	—	180	Nitrile	11	10	S202GF02N5CG4
	5/8	3.3	0	200	125	200	125	200	125	—	230	Viton	11	10	S202GF02V5CG4
	5/8	3.3	0	—	—	—	—	—	—	50*	295	EPR	11	—	S202GH02C5CG4

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

## Part Numbering

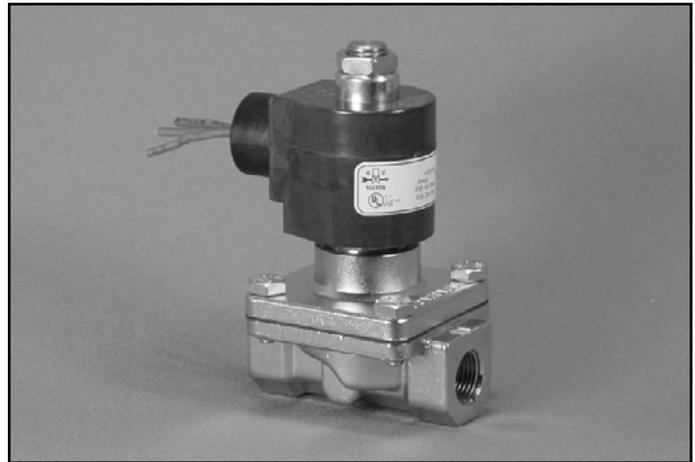
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Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	C: 3/8" NPT	G4: 5/8"	
* 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	22

- 3/8" NPT
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Open



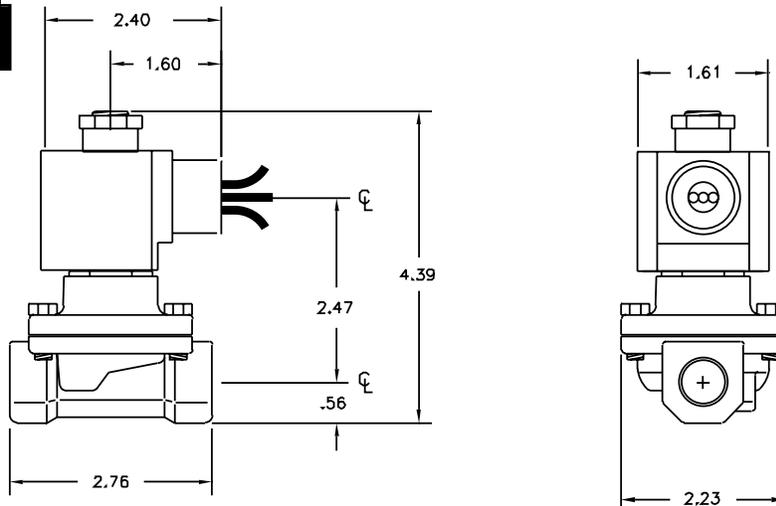
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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

<b>Weight (LB)</b>
2.0

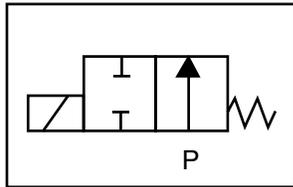




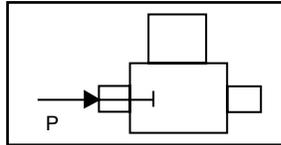
# S202 – 3/8" NPT, Stainless Steel Body-Type 316, Normally Open

## Valve Selection List

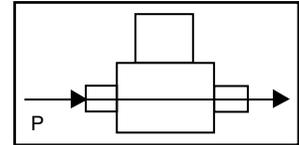
Normally Open



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						
3/8	5/8	3.3	0	200	125	200	125	—	—	—	295	EPR	11	10	S202GF02E7CG4
	5/8	3.3	0	200	125	200	125	200	125	—	180	Nitrile	11	10	S202GF02J7CG4
	5/8	3.3	0	200	125	200	125	200	125	—	230	Viton	11	10	S202GF02L7CG4
	5/8	3.3	0	—	—	—	—	—	—	50*	295	EPR	11	—	S202GH02E7CG4

\* 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>2</b>	<b>0</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>C</b>	<b>G</b>	<b>4</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	C: 3/8" NPT	G4: 5/8"	
* See the "Engineering Guide" for additional voltages, variations and options.												

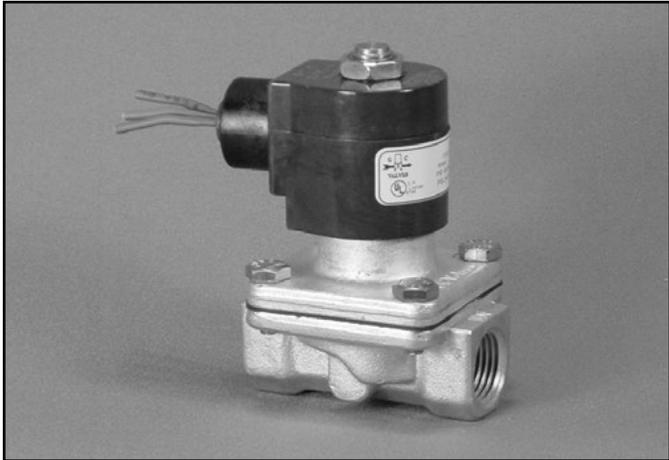
## Coil Data

Coil Family	
Type	Size
All	S4

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



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



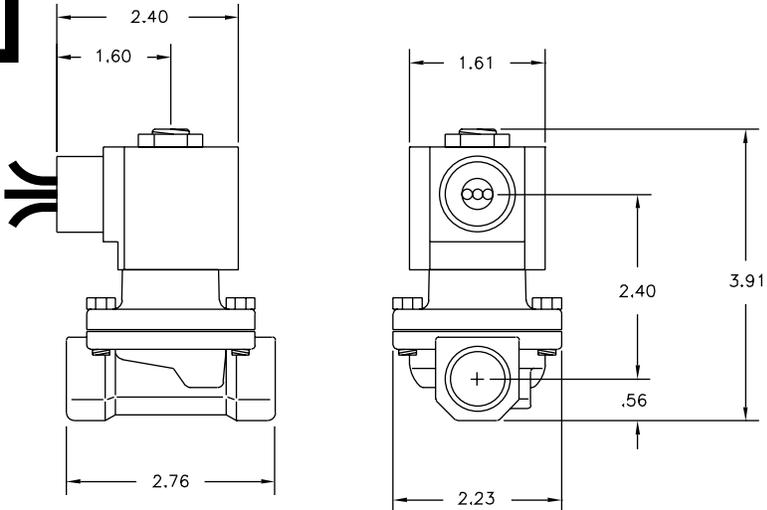
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Brass Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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

<b>Weight (lbs.)</b>
2.0

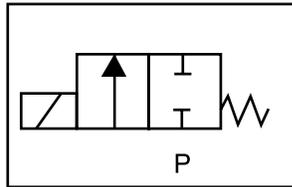




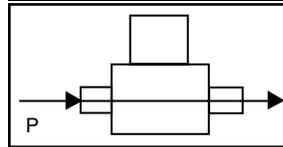
# S201 – 1/2" NPT, Brass Body, Normally Closed

## Valve Selection List

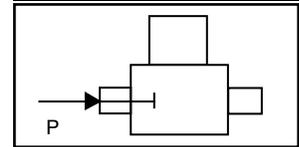
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C <sub>v</sub>	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					Brass Body	
1/2	5/8	4.3	0	140	90	100	50	—	—	—	295	EPR	10	10	S201GF02C5DG4	
	5/8	4.3	0	140	90	140	90	90	70	—	180	Nitrile	10	10	S201GF02N5DG4	
	5/8	4.3	0	140	90	140	90	90	70	—	230	Viton	10	10	S201GF02V5DG4	
	5/8	4.3	0	—	—	—	—	—	—	50*	295	EPR	10	—	S201GH02C5DG4	

\* 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>2</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>D</b>	<b>G</b>	<b>4</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	D: 1/2" NPT	G4: 5/8"	
* See the "Engineering Guide" for additional voltages, variations and options.												

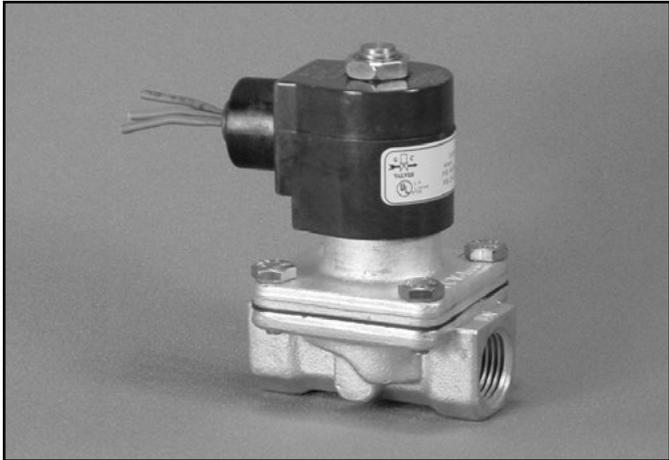
## Coil Data

Coil Family	
Type	Size
All	S4

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



- 1/2" NPT
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Closed



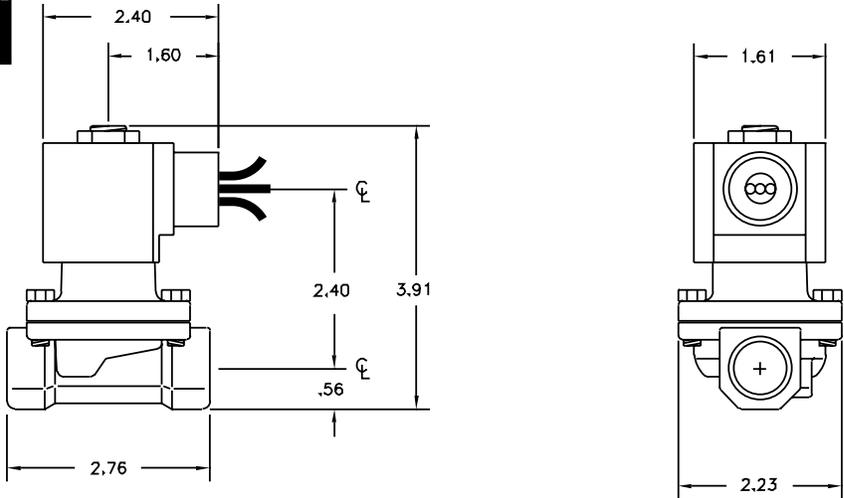
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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

<b>Weight (lbs.)</b>
2.0

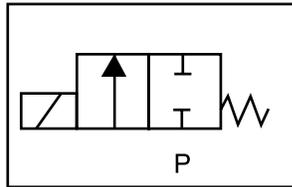




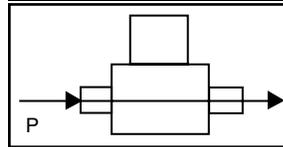
# S201 – 1/2" NPT, Stainless Steel Body-Type 316, Normally Closed

## Valve Selection List

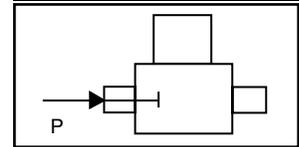
Normally Closed



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	AC	DC	AC	DC	AC	DC			AC		
1/2	5/8	4.3	0	140	90	100	50	—	—	—	295	EPR	10	10	S201GF02E7DG4	
	5/8	4.3	0	140	90	140	90	90	70	—	180	Nitrile	10	10	S201GF02J7DG4	
	5/8	4.3	0	140	90	140	90	90	70	—	230	Viton	10	10	S201GF02L7DG4	
	5/8	4.3	0	—	—	—	—	—	—	50*	295	EPR	10	—	S201GH02E7DG4	

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

## Part Numbering

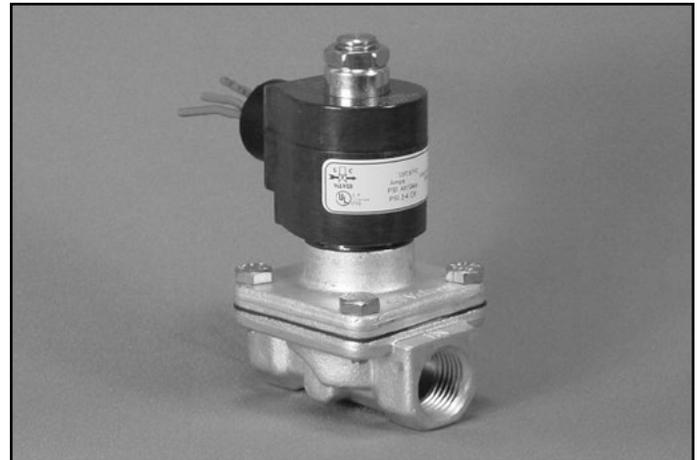
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>D</b>	<b>G</b>	<b>4</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	D: 1/2" NPT	G4: 5/8"	
* 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
		23

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



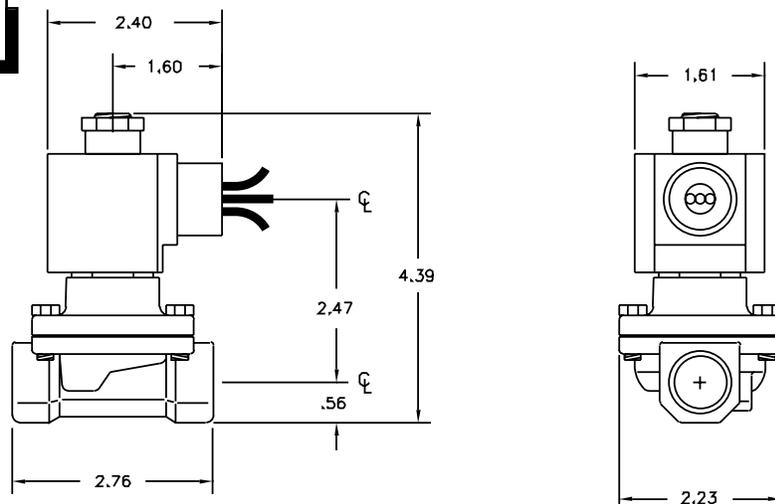
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Brass Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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

<b>Weight (lbs.)</b>
2.0

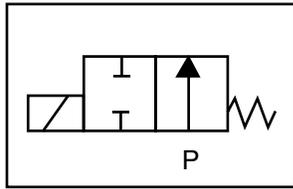




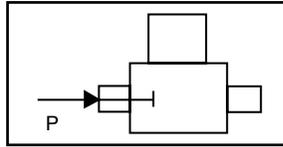
# S202 – 1/2" NPT, Brass Body, Normally Open

## Valve Selection List

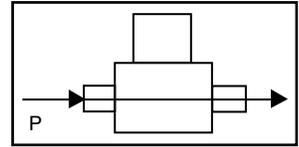
Normally Open



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
			Maximum										AC	DC	
			Air/Gas		Water		Light Oil		Steam*						
			AC	DC	AC	DC	AC	DC	AC						
1/2	5/8	4.3	0	200	125	200	125	—	—	—	295	EPR	11	10	S202GF02C5DG4
	5/8	4.3	0	200	125	200	125	200	125	—	180	Nitrile	11	10	S202GF02N5DG4
	5/8	4.3	0	200	125	200	125	200	125	—	230	Viton	11	10	S202GF02V5DG4
	5/8	4.3	0	—	—	—	—	—	—	50*	295	EPR	11	—	S202GH02C5DG4

\* 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>2</b>	<b>0</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>D</b>	<b>G</b>	<b>4</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	D: 1/2" NPT	G4: 5/8"	
* 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	22



- 1/2" NPT
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Open



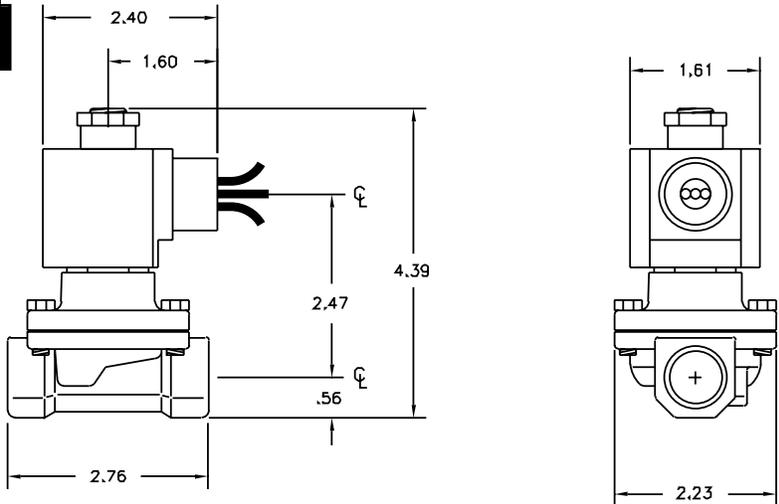
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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

<b>Weight (LB)</b>
2.0

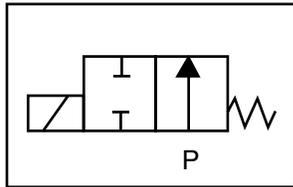




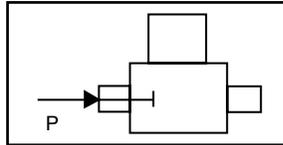
# S202 – 1/2" NPT, Stainless Steel Body-Type 316, Normally Open

## Valve Selection List

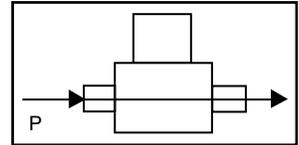
Normally Open



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
1/2	5/8	4.3	0	200	125	200	125	—	—	—	295	EPR	11	10	S202GF02E7DG4	
	5/8	4.3	0	200	125	200	125	200	125	—	180	Nitrile	11	10	S202GF02J7DG4	
	5/8	4.3	0	200	125	200	125	200	125	—	230	Viton	11	10	S202GF02L7DG4	
	5/8	4.3	0	—	—	—	—	—	—	50*	295	EPR	11	—	S202GH02E7DG4	

\* 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>2</b>	<b>0</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>D</b>	<b>G</b>	<b>4</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	D: 1/2" NPT	G4: 5/8"	
* See the "Engineering Guide" for additional voltages, variations and options.												

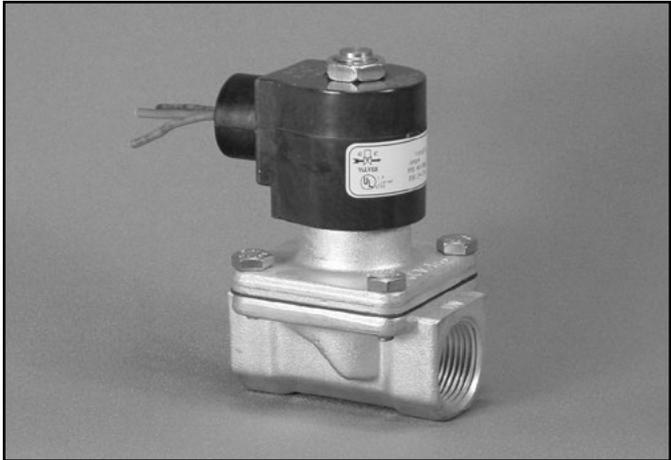
## Coil Data

Coil Family	
Type	Size
All	S4

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



- 3/4" NPT
- Brass Body
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Closed



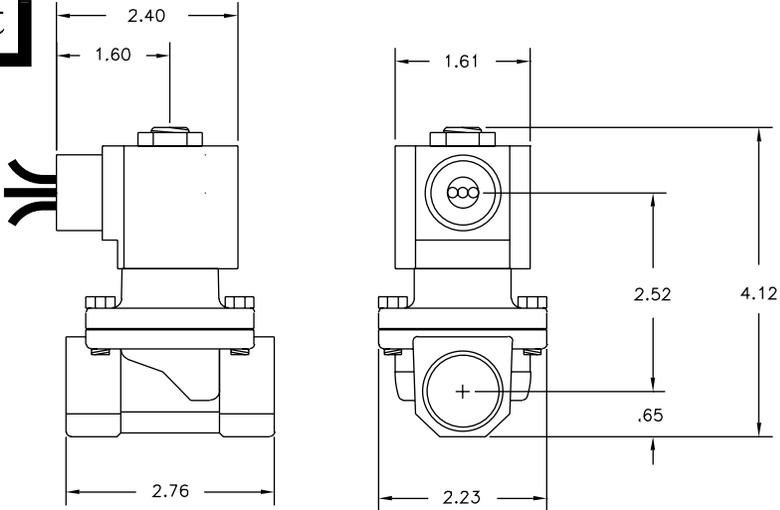
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Brass Ø 3/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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>
2.2

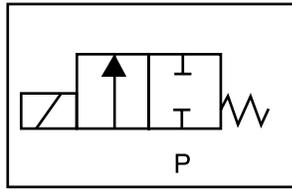




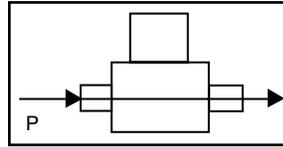
# S201 – 3/4" NPT, Brass Body, Normally Closed

## Valve Selection List

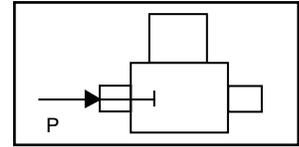
Normally Closed



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					Brass Body	
3/4	3/4	6.7	0	140	90	100	50	—	—	—	295	EPR	10	10	S201GF02C5EG5	
	3/4	6.7	0	140	90	140	90	90	70	—	180	Nitrile	10	10	S201GF02N5EG5	
	3/4	6.7	0	140	90	140	90	90	70	—	230	Viton	10	10	S201GF02V5EG5	
	3/4	6.7	0	—	—	—	—	—	—	50*	295	EPR	10	—	S201GH02C5EG5	

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

## Part Numbering

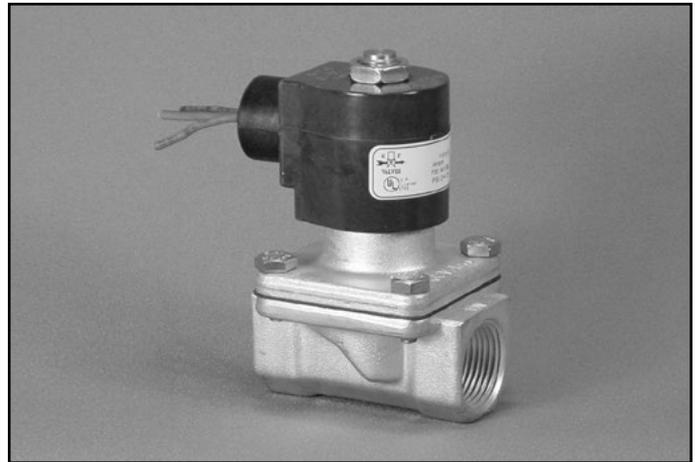
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>E</b>	<b>G</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	E: 3/4" NPT	G5: 3/4"	
* 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

- 3/4" NPT
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Closed



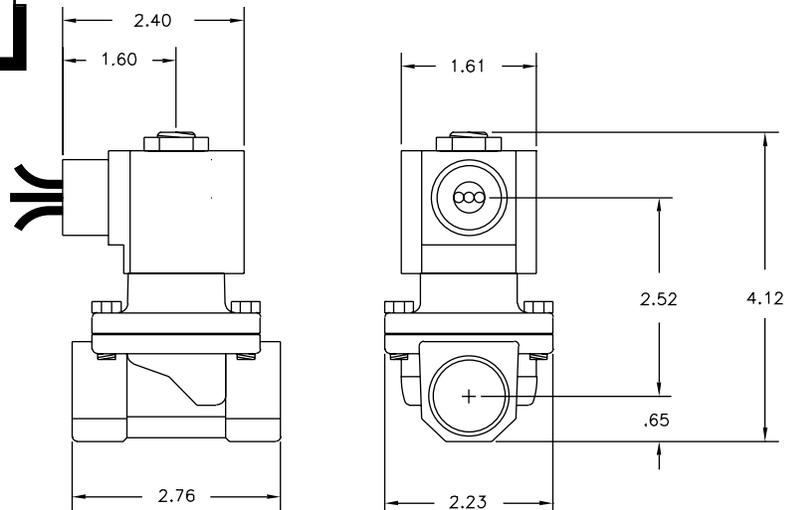
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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>
2.2

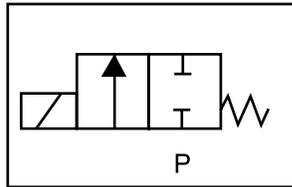




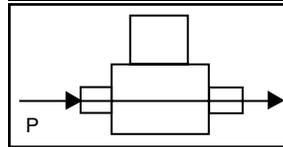
# S201 – 3/4" NPT, Stainless Steel Body-Type 316, Normally Closed

## Valve Selection List

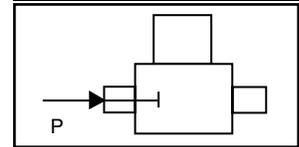
Normally Closed



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
3/4	3/4	6.7	0	140	90	100	50	—	—	—	295	EPR	10	10	S201GF02E7EG5	
	3/4	6.7	0	140	90	140	90	90	70	—	180	Nitrile	10	10	S201GF02J7EG5	
	3/4	6.7	0	140	90	140	90	90	70	—	230	Viton	10	10	S201GF02L7EG5	
	3/4	6.7	0	—	—	—	—	—	—	50*	295	EPR	10	—	S201GH02E7EG5	

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

## Part Numbering

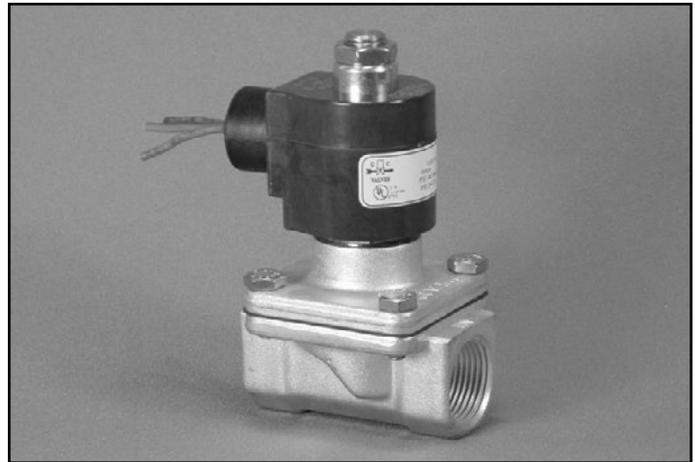
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>E</b>	<b>G</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	E: 3/4" NPT	G5: 3/4"	
* 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
		23

- 3/4" NPT
- Brass Body
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Open



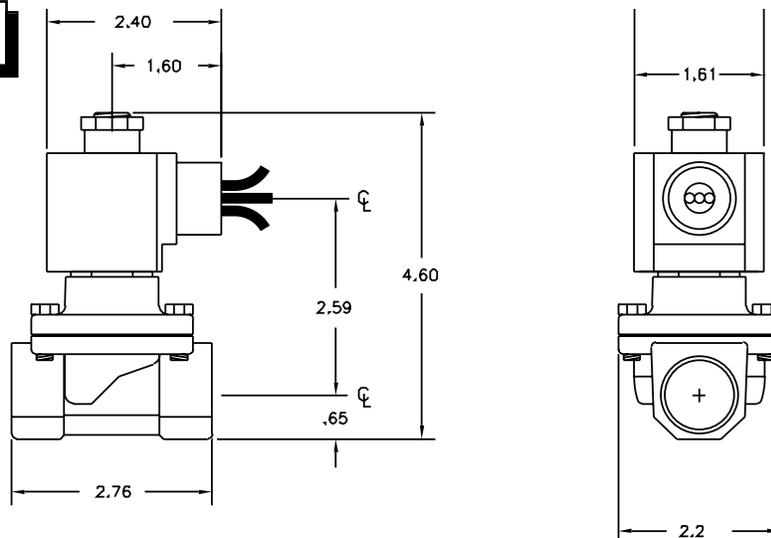
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Brass Ø 3/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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>
2.2

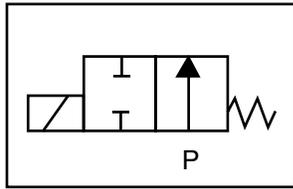




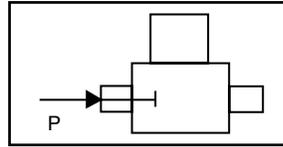
# S202 – 3/4" NPT, Brass Body, Normally Open

## Valve Selection List

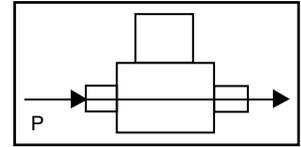
Normally Open



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
			Maximum										AC	DC	
			Air/Gas		Water		Light Oil		Steam*						
			AC	DC	AC	DC	AC	DC	AC						
3/4	3/4	6.7	0	200	125	200	125	—	—	—	295	EPR	11	10	S202GF02C5EG5
	3/4	6.7	0	200	125	200	125	200	125	—	180	Nitrile	11	10	S202GF02N5EG5
	3/4	6.7	0	200	125	200	125	200	125	—	230	Viton	11	10	S202GF02V5EG5
	3/4	6.7	0	—	—	—	—	—	—	50*	295	EPR	11	—	S202GH02C5EG5

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

## Part Numbering

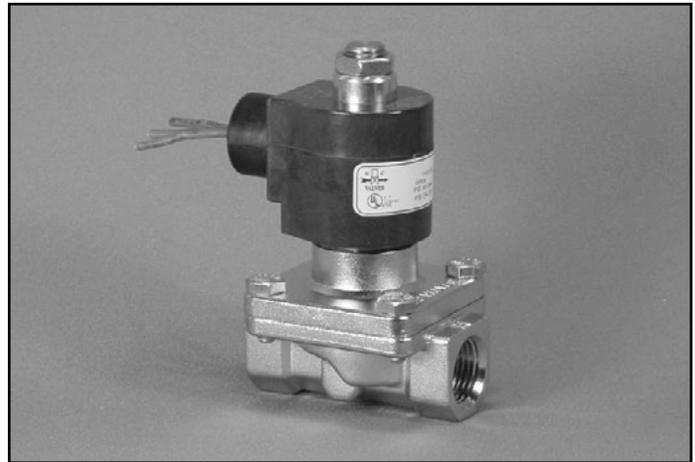
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>E</b>	<b>G</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	E: 3/4" NPT	G5: 3/4"	
* 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

- 3/4" NPT
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Open



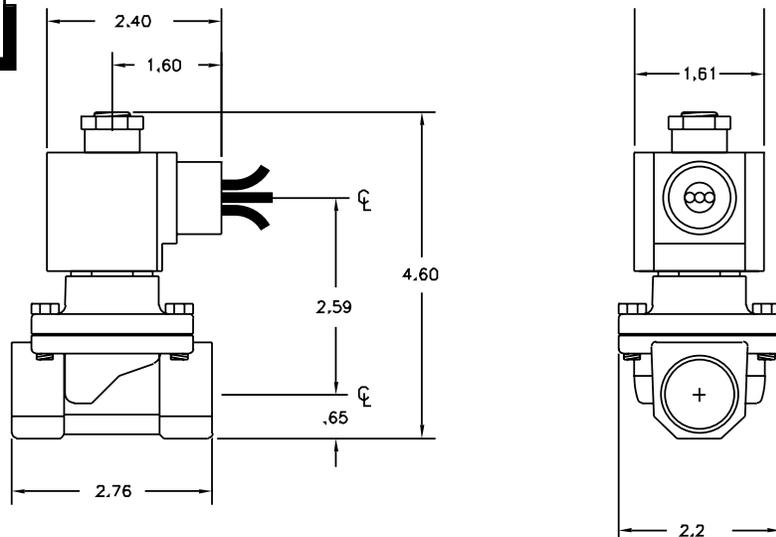
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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 (LB)</b>
2.2

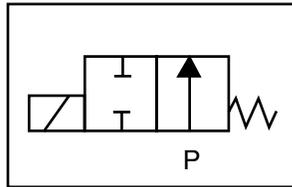




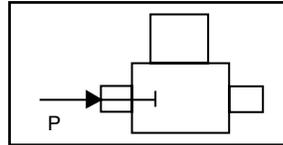
# S202 – 3/4" NPT, Stainless Steel Body-Type 316, Normally Open

## Valve Selection List

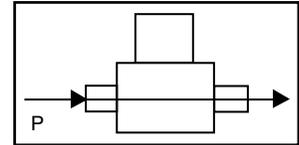
Normally Open



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						
3/4	3/4	6.7	0	200	125	200	125	—	—	—	295	EPR	11	10	S202GF02E7EG5
	3/4	6.7	0	200	125	200	125	200	125	—	180	Nitrile	11	10	S202GF02J7EG5
	3/4	6.7	0	200	125	200	125	200	125	—	230	Viton	11	10	S202GF02L7EG5
	3/4	6.7	0	—	—	—	—	—	—	50*	295	EPR	11	—	S202GH02E7EG5

\* 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>2</b>	<b>0</b>	<b>2</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>E</b>	<b>G</b>	<b>5</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	E: 3/4" NPT	G5: 3/4"	
* 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" NPT
- Brass Body
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Closed



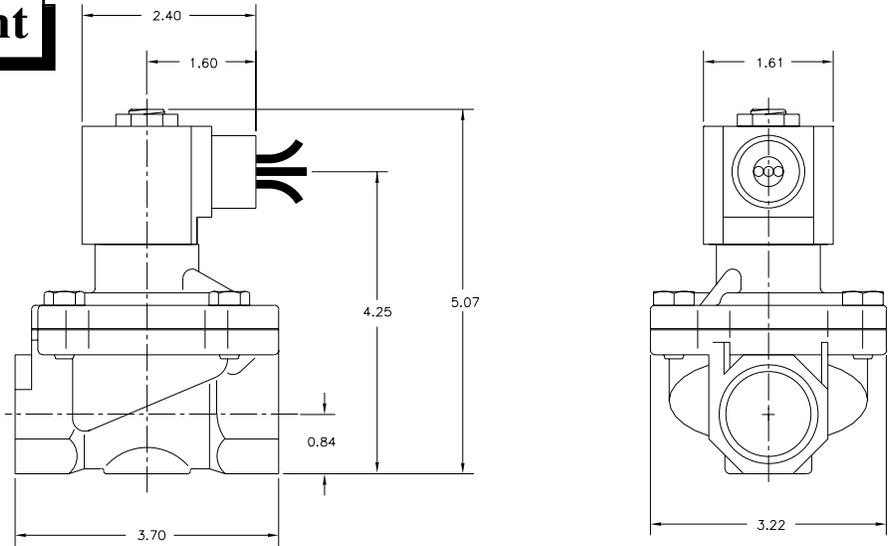
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 1"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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:	Vertical and Upright
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
3.8

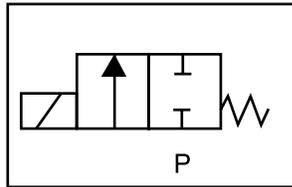




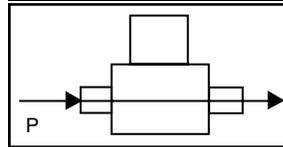
# S201 – 1" NPT, Brass Body Normally Closed

## Valve Selection List

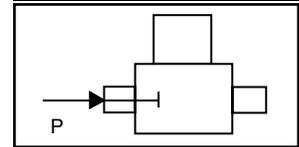
Normally Closed



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 )  Brass Body
				Maximum								AC	DC	
				Air/Gas		Water		Light Oil						
				AC	DC	AC	DC	AC	DC			AC		
1	1	11	0	100	100	100	100	—	—	295	EPR	10	10	S201GF02C5FG9
	1	11	0	100	100	100	100	100	100	295	Nitrile	10	10	S201GF02N5FG9
	1	11	0	100	100	100	100	100	100	295	Viton	10	10	S201GF02V5FG9
	1	11	0	—	—	—	—	—	—	50*	EPR	10	—	S201GH02C5FG9

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

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	0	1	G	F	0	2	C	5	F	G	9
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	F: 1" NPT	G9: 1"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)		60	50
Nominal Power (VA)	Inrush	46	46
	Holding	18	23

- 1" NPT
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Closed



Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Stainless Steel Ø 1"
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:	Vertical and Upright
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

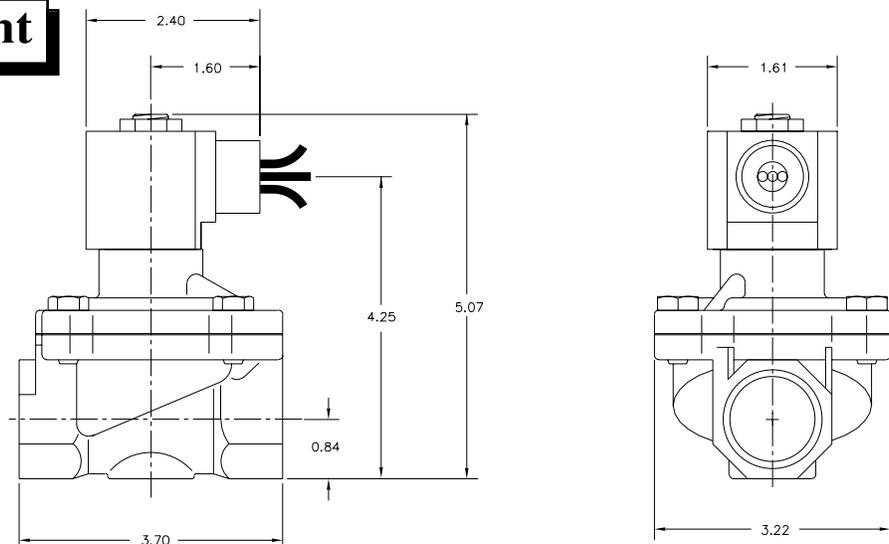
\* Not available for all variations

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## Dimensions/Weight

Weight (lbs.)

3.8

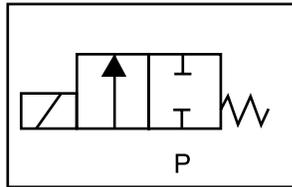




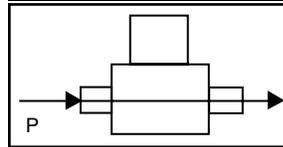
# S201 – 1" NPT, Stainless Steel Body-Type 316, Normally Closed

## Valve Selection List

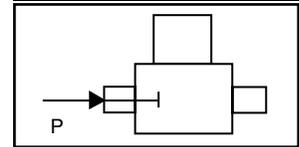
Normally Closed



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
1	1	11	0	100	100	100	100	—	—		295	EPR	10	10	S201GF02E7FG9	
	1	11	0	100	100	100	100	100	100		295	Nitrile	10	10	S201GF02J7FG9	
	1	11	0	100	100	100	100	100	100		295	Viton	10	10	S201GF02L7FG9	
	1	11	0	—	—	—	—	—	—	50*	295	EPR	10	—	S201GH02E7FG9	

\* 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>2</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>F</b>	<b>G</b>	<b>9</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	F: 1" NPT	G9: 1"	
* 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
		23

- 1 1/4" NPT
- Brass Body
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Closed



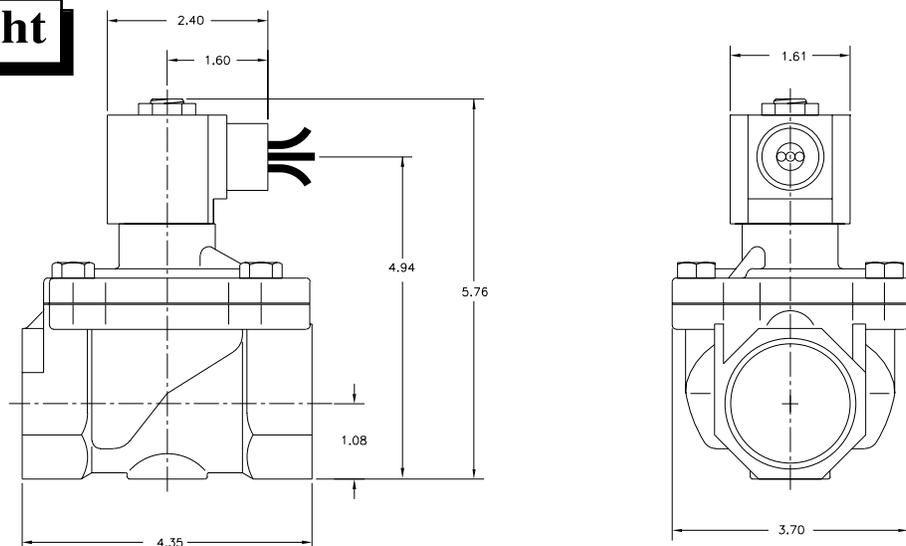
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 1 1/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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:	Vertical and Upright
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
5.7

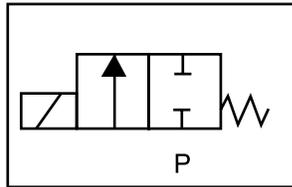




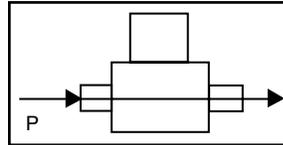
# S201 – 1 1/4" NPT, Brass Body, Normally Closed

## Valve Selection List

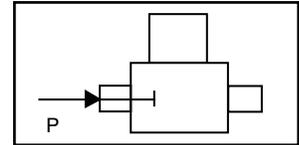
Normally Closed



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	
				Air/Gas		Water		Light Oil		Steam*						Brass Body
1 1/4	1 1/4	18	0	100	100	100	100	—	—	—	290	EPR	10	—	S201GF02C5GJ2	
	1 1/4	18	0	100	100	100	100	—	—	—	180	Nitrile	10	—	S201GF02N5GJ2	
	1 1/4	18	0	100	100	100	100	—	—	—	230	Viton	10	—	S201GF02V5GJ2	
	1 1/4	18	0	—	—	—	—	—	—	50*	295	EPR	10	—	S201GH02C5GJ2	

\* 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>2</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>G</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	G: 1 1/4" NPT	J2: 1 1/4"	
* 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



- 1 1/4" NPT
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Closed



Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Stainless Steel Ø 1 1/4"
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:	Vertical and Upright
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

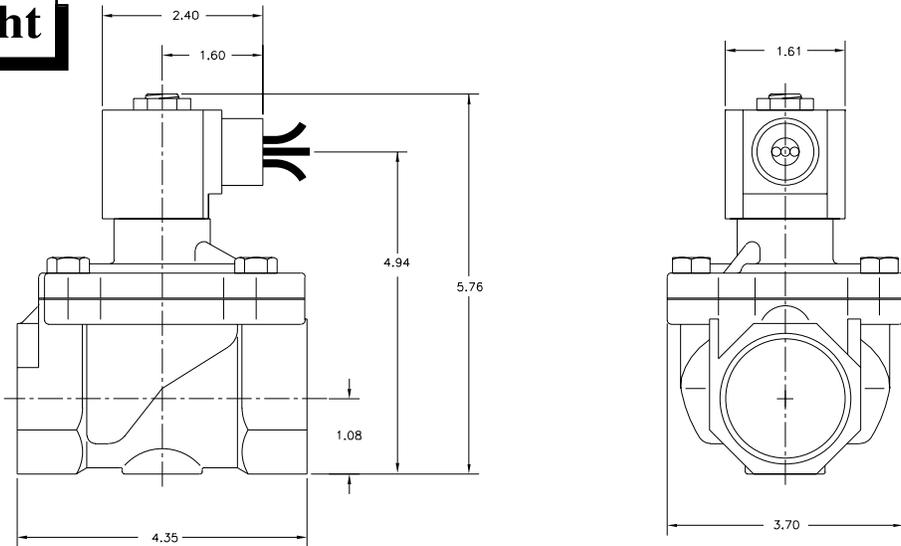
\* Not available for all variations

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## Dimensions/Weight

Weight (lbs.)

5.3

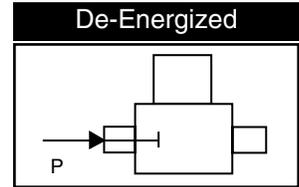
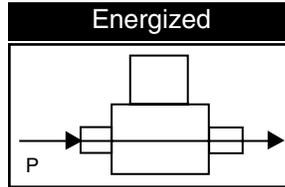
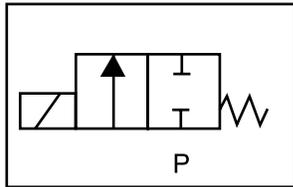




# S201 – 1 1/4" NPT, Stainless Steel Body-Type 316, Normally Closed

## 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
1 1/4	11/4	18	0	100	100	100	100	—	—	—	290	EPR	10	—	S201GF02E7GJ2	
	11/4	18	0	100	100	100	100	—	—	—	180	Nitrile	10	—	S201GF02J7GJ2	
	11/4	18	0	100	100	100	100	—	—	—	230	Viton	10	—	S201GF02L7GJ2	
	11/4	18	0	—	—	—	—	—	—	50*	295	EPR	10	—	S201GH02E7GJ2	

\* 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>2</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>G</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	G: 1 1/4" NPT	J2: 1 1/4"	
* 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
		23



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



Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot Main Stainless Steel Brass Ø 1 1/4"
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:	Vertical and Upright
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

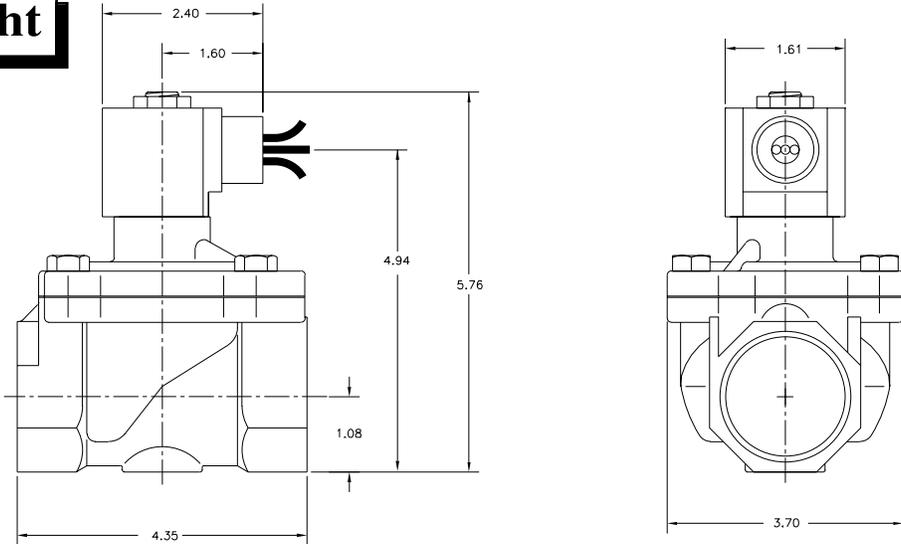
\* Not available for all variations

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## Dimensions/Weight

Weight (lbs.)

5.7

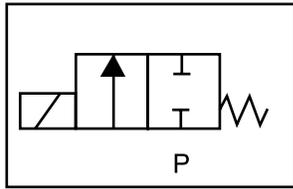




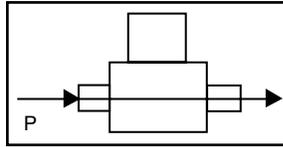
# S201 – 1 1/2" NPT, Brass Body, Normally Closed

## Valve Selection List

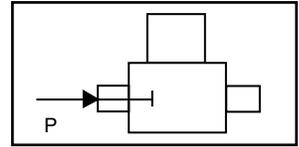
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C <sub>v</sub>	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
1 1/2	1 1/4	18	0	100	100	100	100	—	—	—	290	EPR	10	—	S201GF02C5HJ2	
	1 1/4	18	0	100	100	100	100	—	—	—	180	Nitrile	10	—	S201GF02N5HJ2	
	1 1/4	18	0	100	100	100	100	—	—	—	230	Viton	10	—	S201GF02V5HJ2	
	1 1/4	18	0	—	—	—	—	—	—	50*	295	EPR	10	—	S201GH02C5HJ2	

\* 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>2</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>H</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	H: 1 1/2" NPT	J2: 1 1/4"	
* 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

- 1 1/2" NPT
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Closed



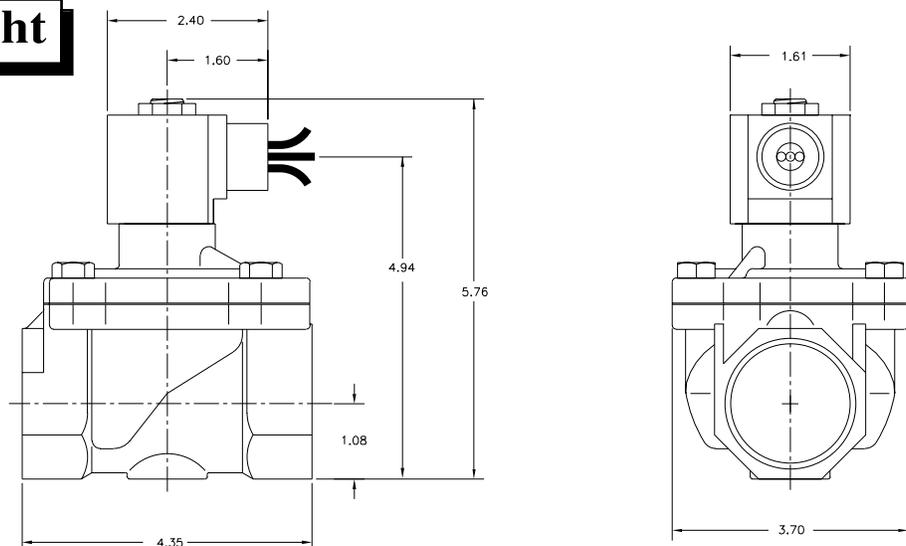
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Stainless Steel Ø 1 1/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual 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:	Vertical and Upright
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
5.3

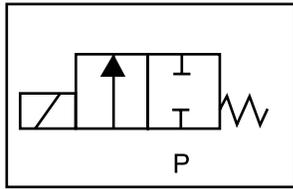




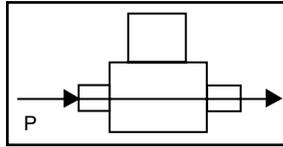
# S201 – 1 1/2" NPT, Stainless Steel Body-Type 316, Normally Closed

## Valve Selection List

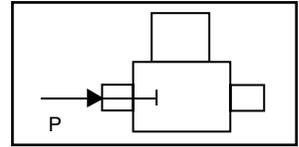
Normally Closed



Energized



De-Energized



Pipe Size	Orifice Size	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*	
NPT	IN			AC	DC	AC	DC	AC	DC	AC				Stainless Steel Body Type 316	
1 1/2	11/4	18	0	100	100	100	100	—	—	—	290	EPR	10	—	S201GF02E7HJ2
	11/4	18	0	100	100	100	100	100	100	—	180	Nitrile	10	—	S201GF02J7HJ2
	11/4	18	0	100	100	100	100	100	100	—	230	Viton	10	—	S201GF02L7HJ2
	11/4	18	0	—	—	—	—	—	—	50*	295	EPR	10	—	S201GH02E7HJ2

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

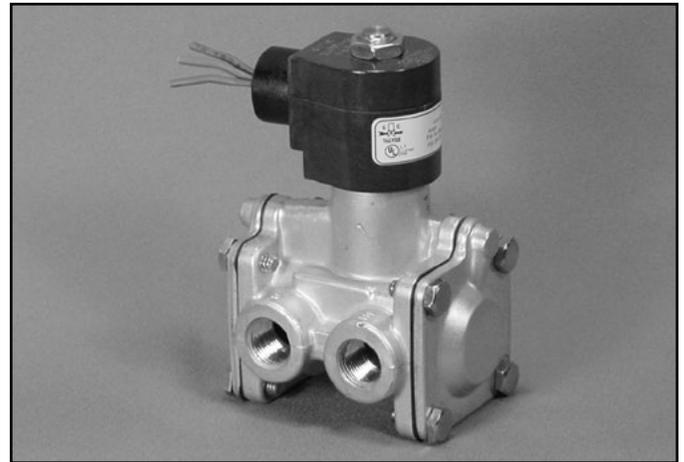
## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>H</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	H: 1 1/2" NPT	J2: 1 1/4"	
* 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      23

- 3/8" NPT
- Brass Body
- 3-Way Pilot Operated
- Normally Closed



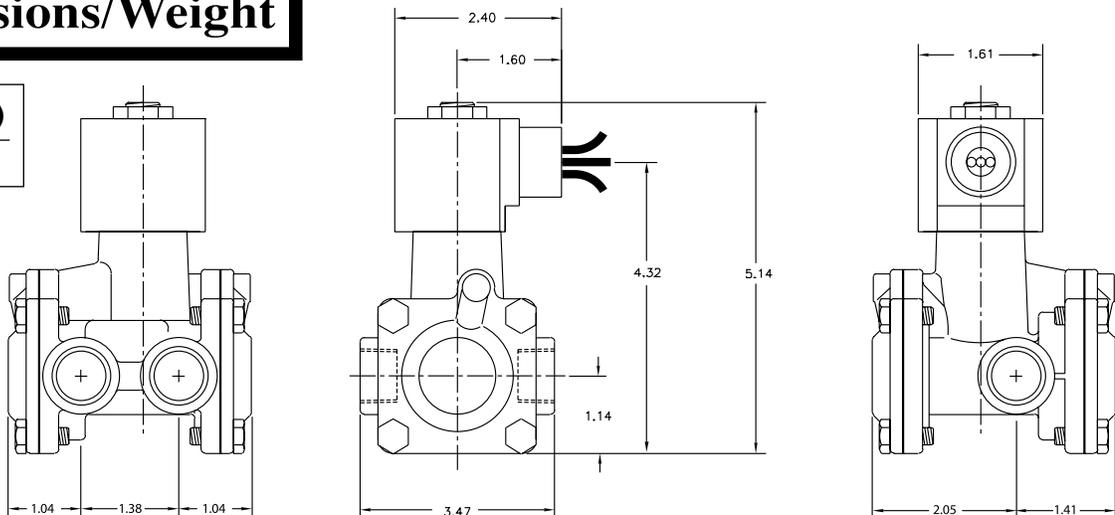
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Brass Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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

**Weight (lbs.)**  
3.5

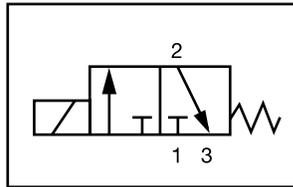




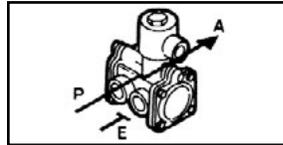
# S203 – 3/8" NPT, Brass Body, Normally Closed

## Valve Selection List

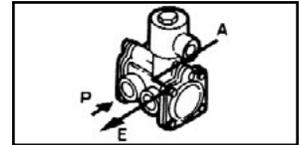
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C <sub>v</sub>	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						
				AC	DC	AC	DC			AC	DC	Brass Body
3/8	5/8	3.3	7.0	150	150	150	150	295	EPR	10	10	S203GF02C5CG4
	5/8	3.3	7.0	150	150	150	150	180	Nitrile	10	10	S203GF02N5CG4
	5/8	3.3	7.0	150	150	150	150	230	Viton	10	10	S203GF02V5CG4

## Part Numbering

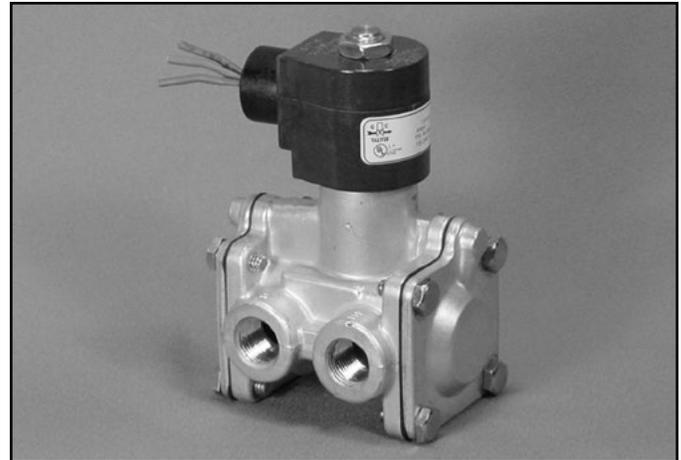
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>C</b>	<b>G</b>	<b>4</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	C: 3/8" NPT	G4: 5/8"	
* 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	46
	Holding	18	19

- 3/8" NPT
- Brass Body
- 3-Way Pilot Operated
- Normally Open



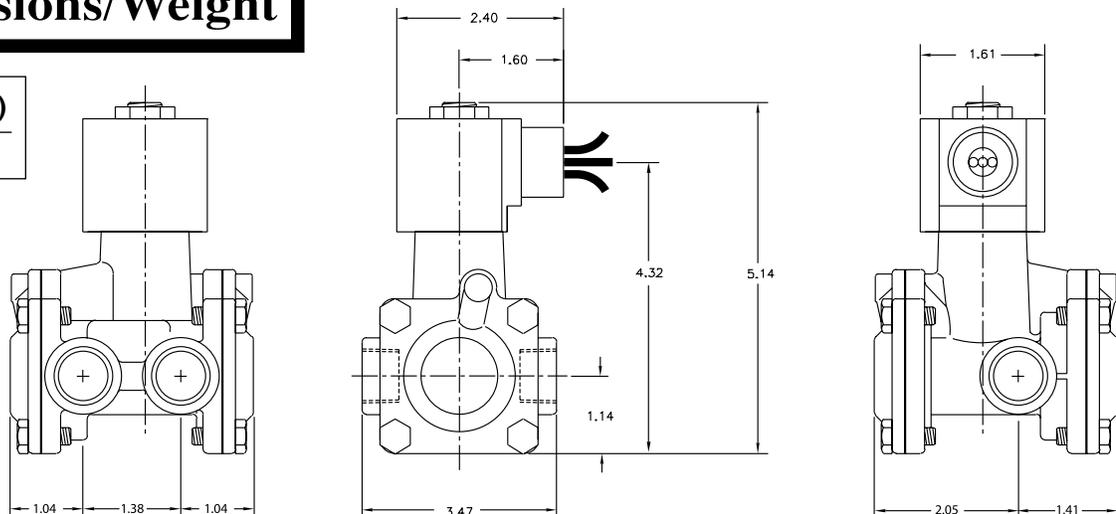
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Brass Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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° 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.)**  
3.5

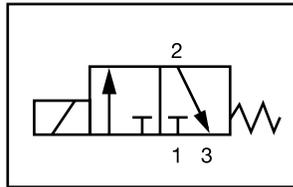




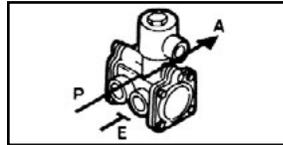
# S204 – 3/8" NPT, Brass Body, Normally Open

## Valve Selection List

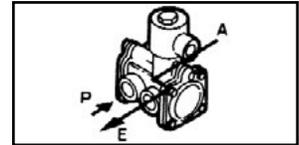
Normally Open



De-Energized



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
				Air/Gas		Water							
				AC	DC	AC	DC			AC	DC	Brass Body	
3/8	5/8	3.3	7.0	150	150	150	150	295	EPR	10	10	S204GF02C5CG4	
	5/8	3.3	7.0	150	150	150	150	180	Nitrile	10	10	S204GF02N5CG4	
	5/8	3.3	7.0	150	150	150	150	230	Viton	10	10	S204GF02V5CG4	

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>C</b>	<b>G</b>	<b>4</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			4: Normally Open	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	C: 3/8" NPT	G4: 5/8"	
* 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	46
	Holding	18	19

- 1/2" NPT
- Brass Body
- 3-Way Pilot Operated
- Normally Closed



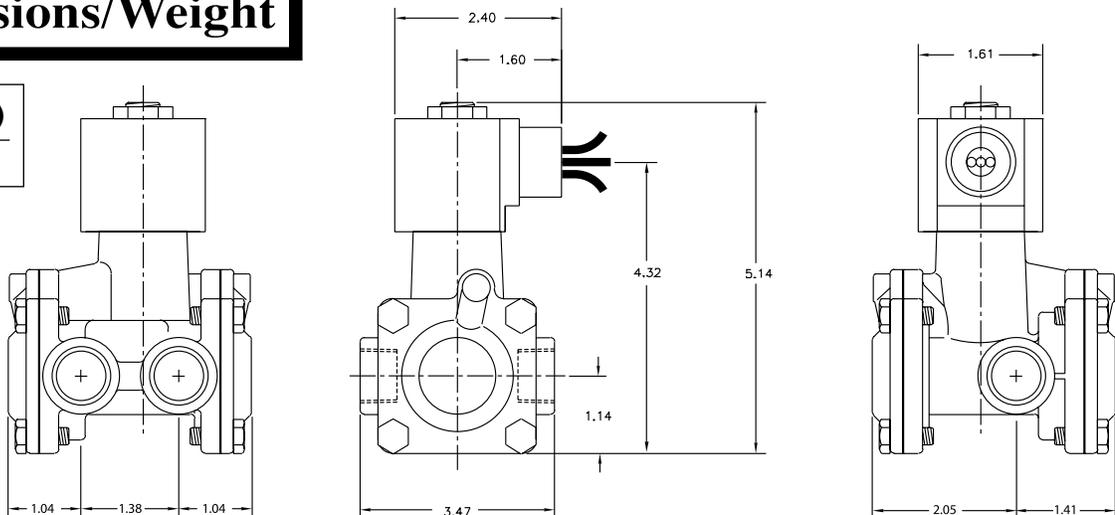
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Brass Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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

<b>Weight (lbs.)</b>
3.5

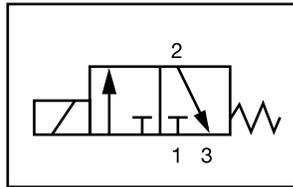




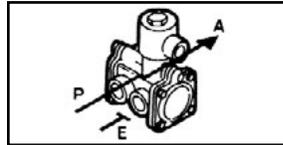
# S203 – 1/2" NPT, Brass Body, Normally Closed

## Valve Selection List

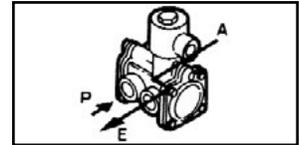
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C <sub>v</sub>	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						
				AC	DC	AC	DC			AC	DC	Brass Body
1/2	5/8	3.3	7.0	150	150	150	150	295	EPR	10	10	S203GF02C5DG4
	5/8	3.3	7.0	150	150	150	150	180	Nitrile	10	10	S203GF02N5DG4
	5/8	3.3	7.0	150	150	150	150	230	Viton	10	10	S203GF02V5DG4

## Part Numbering

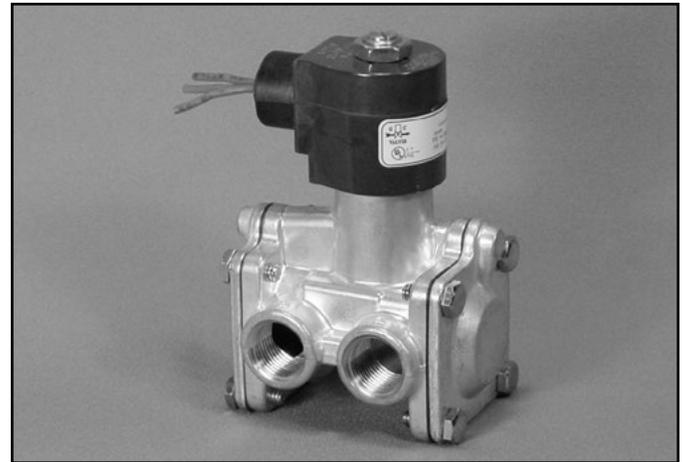
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>D</b>	<b>G</b>	<b>4</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			3: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	D: 1/2" NPT	G4: 5/8"	
* 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

- 1/2" NPT
- Brass Body
- 3-Way Pilot Operated
- Normally Open



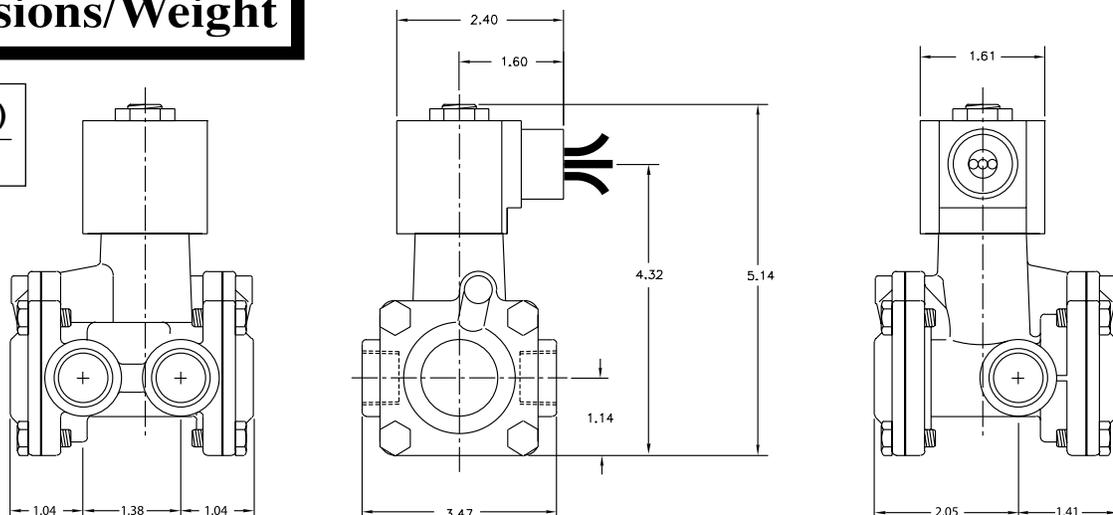
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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

**Weight (lbs.)**  
3.5

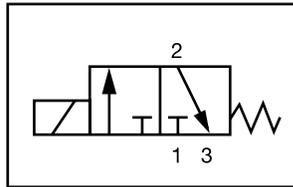




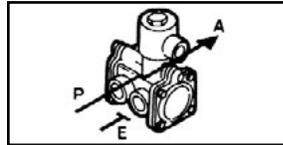
# S20 – 1/2" NPT, Brass Body, Normally Open

## Valve Selection List

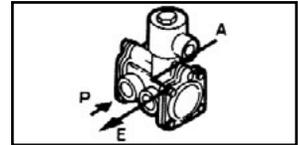
Normally Open



De-Energized



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						
				AC	DC	AC	DC			AC	DC	Brass Body
1/2	5/8	4.4	7.0	150	150	150	150	295	EPR	10	10	S204GF02C5DG4
	5/8	4.4	7.0	150	150	150	150	180	Nitrile	10	10	S204GF02N5DG4
	5/8	4.4	7.0	150	150	150	150	230	Viton	10	10	S204GF02V5DG4

## Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>S</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>G</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>D</b>	<b>G</b>	<b>4</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S20			4: Normally Open	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	D: 1/2" NPT	G4: 5/8"	
* 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	46
	Holding	18	19

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



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

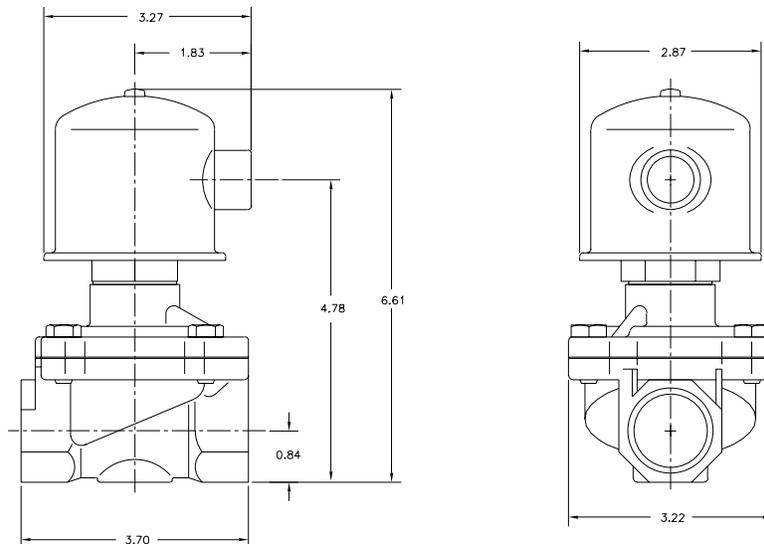
\* Not available for all variations

® Registered Trademark of DuPont Co.

## Dimensions/Weight

**Weight (lbs.)**

5.1

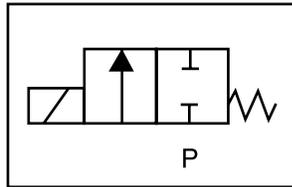




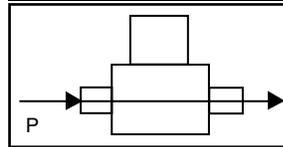
# S271 – 1" NPT, Brass Body, Normally Closed

## Valve Selection List

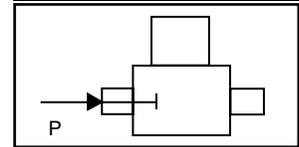
Normally Closed



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		Steam*				AC	DC	AC	DC
1	1	13	0	125	125	100	50	—	—	—	—	295	EPR	17.5	22.5	S271AF02C5FG9
	1	13	0	125	125	100	100	70	70	—	—	180	Nitrile	17.5	22.5	S271AF02N5FG9
	1	13	0	125	125	100	100	70	70	—	—	230	Viton	17.5	22.5	S271AF02V5FG9
	1	13	0	—	—	—	—	—	—	50*	—	295	EPR	17.5	—	S271AH02C5FG9

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

## Part Numbering

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

## Coil Data

Coil Family	
Type	Size
All	S5

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	130
	Holding	22

- 1" NPT
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Closed



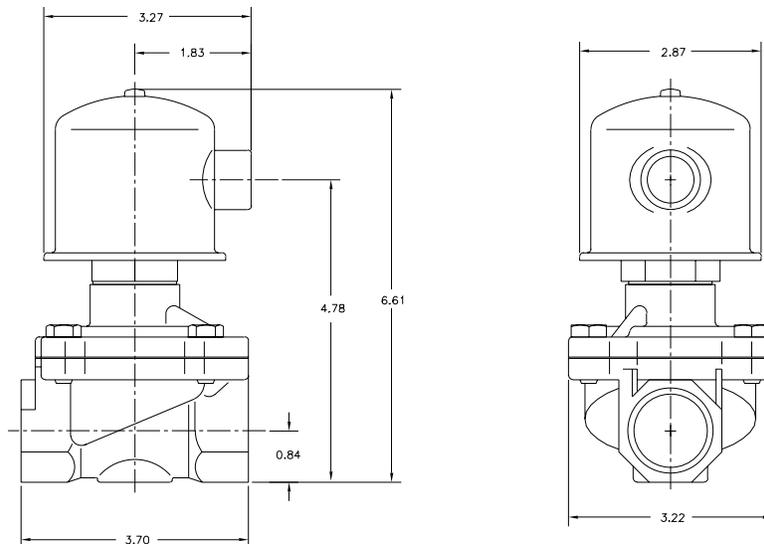
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot Main
Electrical	Standard Housing:	Conduit (NEMA 1)
	Optional Housings:	Watertight (NEMA 4), Junction Box. Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 12, 24 DC; Contact GC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

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
5.1

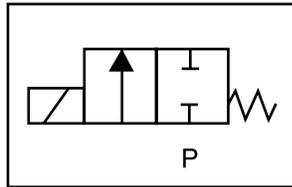




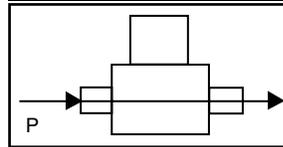
# S271 – 1" NPT, Stainless Steel Body, Type 316 Normally Closed

## Valve Selection List

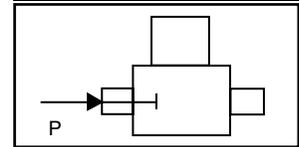
Normally Closed



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		Steam*							
			Minimum	AC	DC	AC	DC	AC	DC	AC	DC				Stainless Steel Body Type 316	
1	1	13	0	125	125	100	50	—	—	—	—	295	EPR	17.5	22.5	S271AF02E7FG9
	1	13	0	125	125	100	100	70	70	—	—	180	Nitrile	17.5	22.5	S271AF02J7FG9
	1	13	0	125	125	100	100	70	70	—	—	230	Viton	17.5	22.5	S271AF02L7FG9
	1	13	0	—	—	—	—	—	—	50*	—	295	EPR	17.5	—	S271AH02E7FG9

\* 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>2</b>	<b>7</b>	<b>1</b>	<b>A</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>F</b>	<b>G</b>	<b>9</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			1: Normally Closed	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	F: 1" NPT	G9: 1"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S5

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	130
	Holding	22

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



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

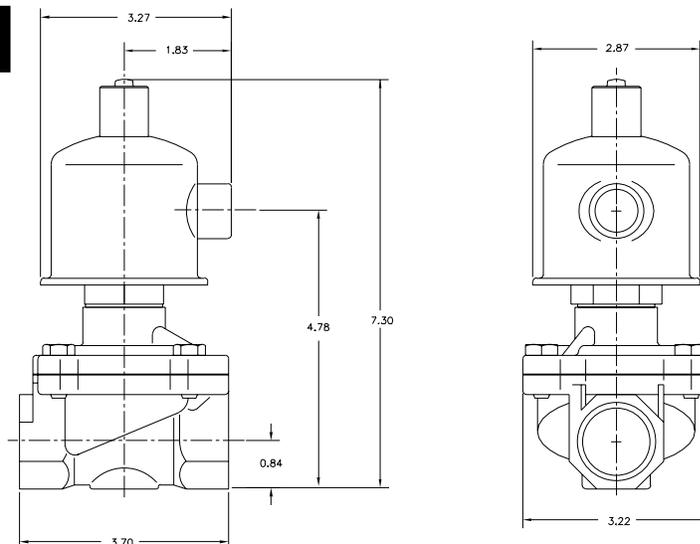
\* Not available for all variations

® Registered Trademark of DuPont Co.

## Dimensions/Weight

**Weight (lbs.)**

5.1

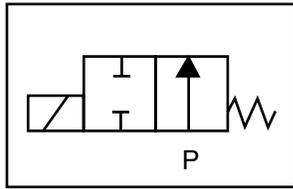




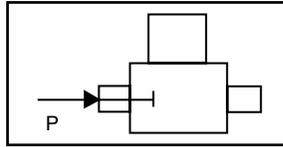
# S272 – 1" NPT, Brass Body, Normally Open

## Valve Selection List

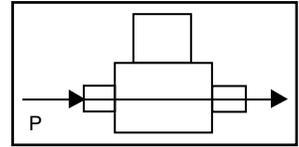
Normally Open



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*						Brass Body	
Minimum	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC				
1	1	13	0	125	125	125	125	—	—	—	—	295	EPR	18.5	22.5	S272AF02C5FG9
	1	13	0	125	125	125	125	70	70	—	—	180	Nitrile	18.5	22.5	S272AF02N5FG9
	1	13	0	125	125	125	125	70	70	—	—	230	Viton	18.5	22.5	S272AF02V5FG9
	1	13	0	—	—	—	—	—	—	50*	50*	295	EPR	18.5	22.5	S272AH02C5FG9

\* 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>2</b>	<b>7</b>	<b>2</b>	<b>A</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>F</b>	<b>G</b>	<b>9</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			2: Normally Open	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	F: 1" NPT	G9: 1"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S5

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	130
	Holding	22

- 1" NPT
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Open



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

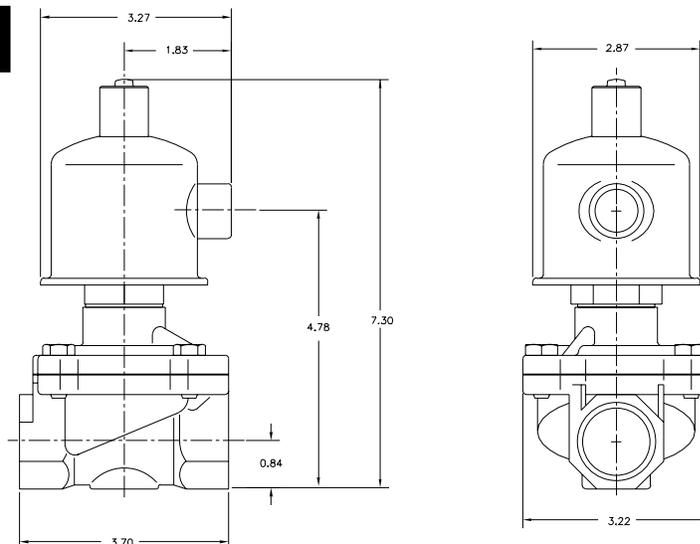
\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**

5.1

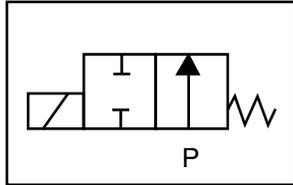




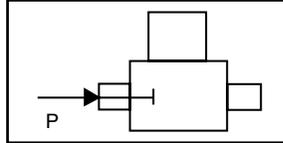
# S272 – 1" NPT, Stainless Steel Body, Type 316 Normally Open

## Valve Selection List

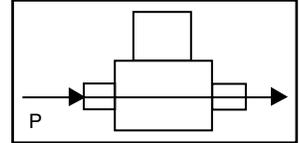
Normally Open



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*							
			Minimum	AC	DC	AC	DC	AC	DC	AC	DC				Stainless Steel Body Type 316	
1	1	13	0	125	125	125	125	—	—	—	—	295	EPR	18.5	22.5	S272AF02E7FG9
	1	13	0	125	125	125	125	70	70	—	—	180	Nitrile	18.5	22.5	S272AF02J7FG9
	1	13	0	125	125	125	125	70	70	—	—	230	Viton	18.5	22.5	S272AF02L7FG9
	1	13	0	—	—	—	—	—	—	50*	50*	295	EPR	18.5	22.5	S272AH02E7FG9

\* 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>2</b>	<b>7</b>	<b>2</b>	<b>A</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>F</b>	<b>G</b>	<b>9</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			2: Normally Open	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	F: 1" NPT	G9: 1"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S5

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	130
	Holding	22

- 1 1/4" NPT
- Brass Body
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Closed



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

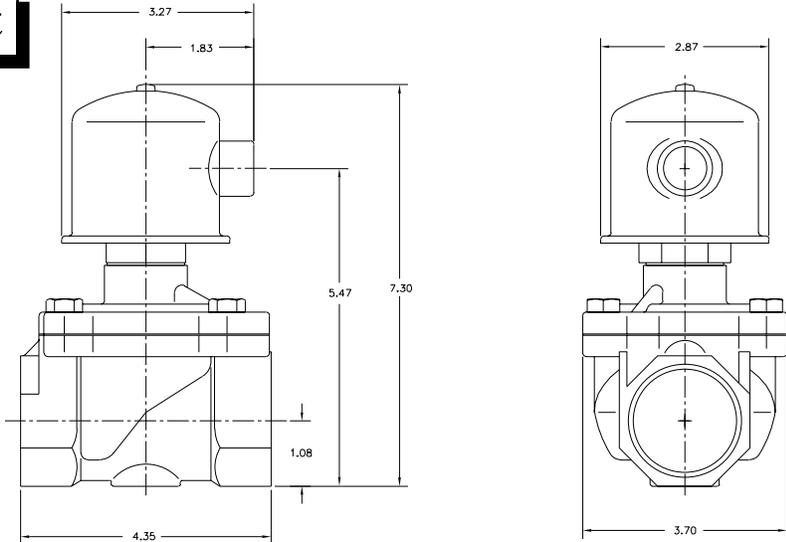
\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**

6.7

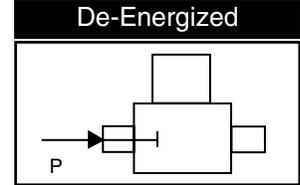
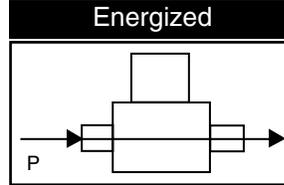
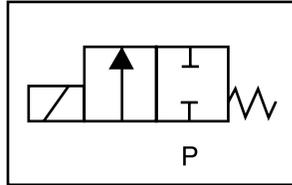




# S271 – 1 1/4" NPT, Brass Body, Normally Closed

## Valve Selection List

Normally Closed



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		
			Air/Gas		Water		Light Oil		Steam*							
			AC	DC	AC	DC	AC	DC	AC	DC					Brass Body	
1 1/4	1 1/4	19	0	125	125	50	50	—	—	—	—	295	EPR	17.5	22.5	S271AF02C5GJ2
	1 1/4	19	0	125	125	50	50	70	70	—	—	180	Nitrile	17.5	22.5	S271AF02N5GJ2
	1 1/4	19	0	125	125	50	50	70	70	—	—	230	Viton	17.5	22.5	S271AF02V5GJ2
	1 1/4	19	0	—	—	—	—	—	—	50*	—	295	EPR	17.5	—	S271AH02C5GJ2

\* 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>2</b>	<b>7</b>	<b>1</b>	<b>A</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>G</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			1: Normally Closed	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	G: 1 1/4" NPT	J2: 1 1/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S5

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

- 1 1/4" NPT
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Closed



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

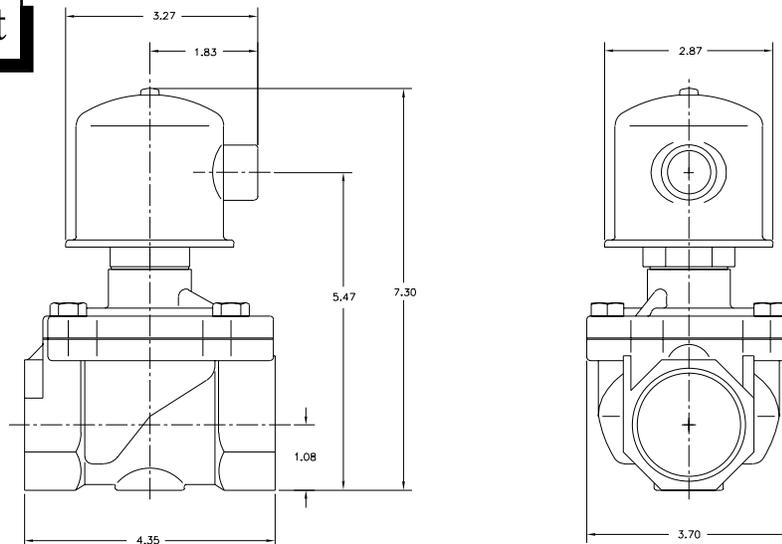
\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**

6.7

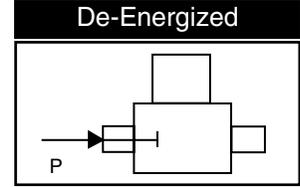
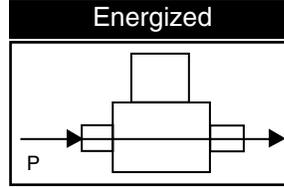
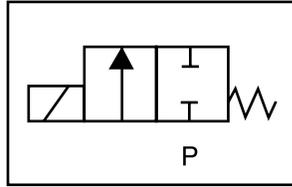




# S271 – 1 1/4" NPT, Stainless Steel Body, Type 316 Normally Closed

## Valve Selection List

Normally Closed



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*							
			Minimum	AC	DC	AC	DC	AC	DC	AC	DC		AC	DC	Stainless Steel Body Type 316	
1 1/4	1 1/4	19	0	125	125	50	50	—	—	—	—	295	EPR	17.5	22.5	S271AF02E7GJ2
	1 1/4	19	0	125	125	50	50	70	70	—	—	180	Nitrile	17.5	22.5	S271AF02J7GJ2
	1 1/4	19	0	125	125	50	50	70	70	—	—	230	Viton	17.5	22.5	S271AF02L7GJ2
	1 1/4	19	0	—	—	—	—	—	—	50*	—	210	EPR	17.5	22.5	S271AH02E7GJ2

\* 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>2</b>	<b>7</b>	<b>1</b>	<b>A</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>G</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			1: Normally Closed	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	G: 1 1/4" NPT	J2: 1 1/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S5

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	130
	Holding	22

- 1 1/4" NPT
- Brass Body
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Open



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

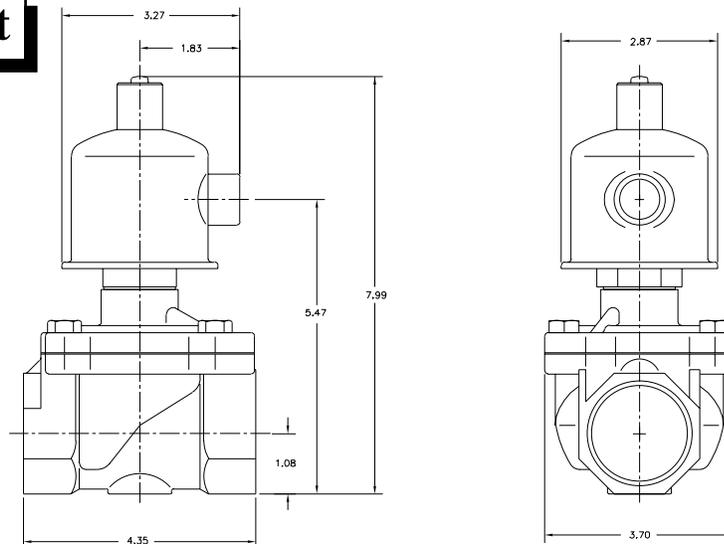
\* Not available for all variations

® Registered Trademark of DuPont Co.

## Dimensions/Weight

**Weight (lbs.)**

6.7

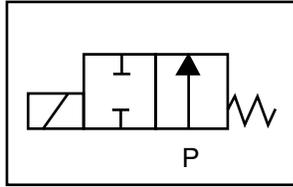




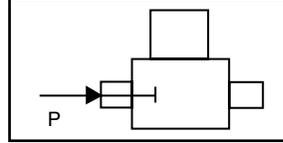
# S272 – 1 1/4" NPT, Brass Body, Normally Open

## Valve Selection List

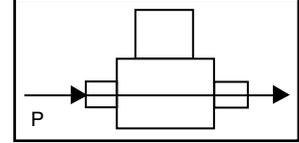
Normally Open



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 )	
			Maximum										AC	DC		
			Air/Gas		Water		Light Oil		Steam*							
AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	Stainless Steel Body Type 316				
1 1/4	1 1/4	23	0	125	125	125	125	—	—	—	—	295	EPR	18.5	22.5	S272AF02C5GJ2
	1 1/4	23	0	125	125	125	125	70	70	—	—	180	Nitrile	18.5	22.5	S272AF02N5GJ2
	1 1/4	23	0	125	125	125	125	70	70	—	—	230	Viton	18.5	22.5	S272AF02V5GJ2
	1 1/4	23	0	—	—	—	—	—	—	—	50* 50*	295	EPR	18.5	22.5	S272AH02C5GJ2

\* 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>2</b>	<b>7</b>	<b>2</b>	<b>A</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>G</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			2: Normally Open	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	G: 1 1/4" NPT	J2: 1 1/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S5

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	130
	Holding	22

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



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

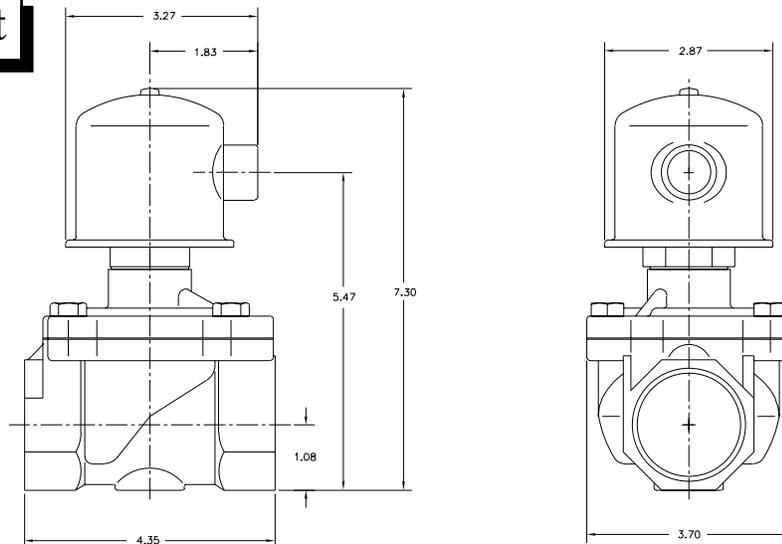
\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**

6.7

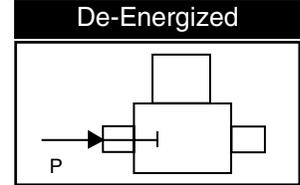
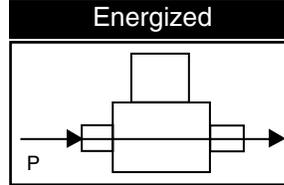
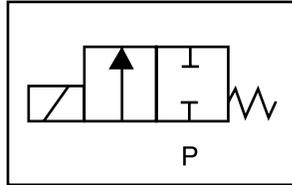




# S27 – 1 1/2" NPT, Brass Body, Normally Closed

## Valve Selection List

Normally Closed



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*							
			Minimum	AC	DC	AC	DC	AC	DC	AC	DC				Brass Body	
1 1/2	1 1/4	25	0	125	125	50	50	—	—	—	—	295	EPR	17.5	22.5	S271AF02C5HJ2
	1 1/4	25	0	125	125	50	50	70	70	—	—	180	Nitrile	17.5	22.5	S271AF02N5HJ2
	1 1/4	25	0	125	125	50	50	70	70	—	—	230	Viton	17.5	22.5	S271AF02V5HJ2
	1 1/4	25	0	—	—	—	—	—	—	50*	—	295	EPR	17.5	—	S271AH02C5HJ2

\* 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>2</b>	<b>7</b>	<b>1</b>	<b>A</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>H</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			1: Normally Closed	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	H: 1 1/2" NPT	J2: 1 1/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S5

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	130
	Holding	22

- 1 1/2" NPT
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Closed



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

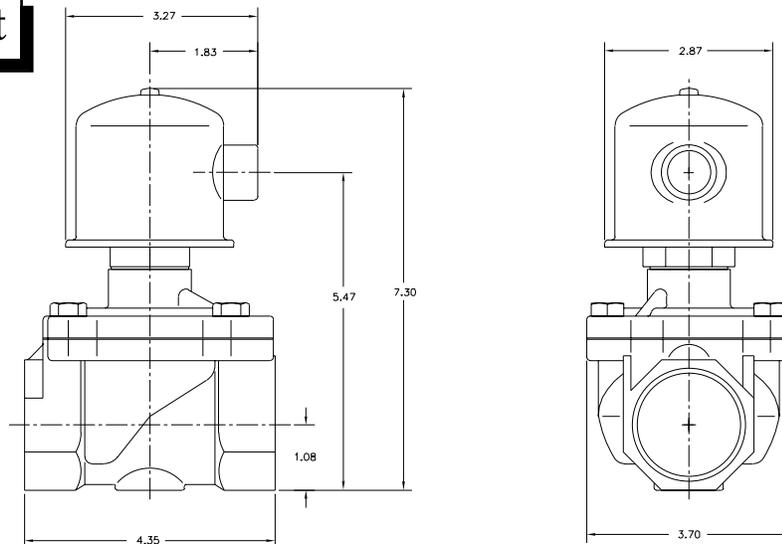
\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**

6.7

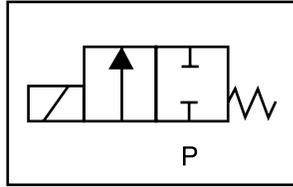




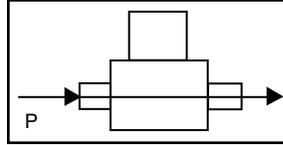
# S271 – 1 1/2" NPT, Stainless Steel Body, Type 316 Normally Closed

## Valve Selection List

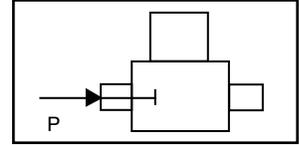
Normally Closed



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		Steam*							
			Minimum	AC	DC	AC	DC	AC	DC	AC	DC		AC	DC	Stainless Steel Body Type 316	
1 1/2	1 1/4	25	0	125	125	50	50	—	—	—	—	295	EPR	17.5	22.5	S271AF02E7HJ2
	1 1/4	25	0	125	125	50	50	70	70	—	—	180	Nitrile	17.5	22.5	S271AF02J7HJ2
	1 1/4	25	0	125	125	50	50	70	70	—	—	230	Viton	17.5	22.5	S271AF02L7HJ2
	1 1/4	25	0	—	—	—	—	—	—	50*	—	295	EPR	17.5	22.5	S271AH02E7HJ2

\* 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>2</b>	<b>7</b>	<b>1</b>	<b>A</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>H</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			1: Normally Closed	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	H: 1 1/2" NPT	J2: 1 1/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S5

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	130
	Holding	22

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



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

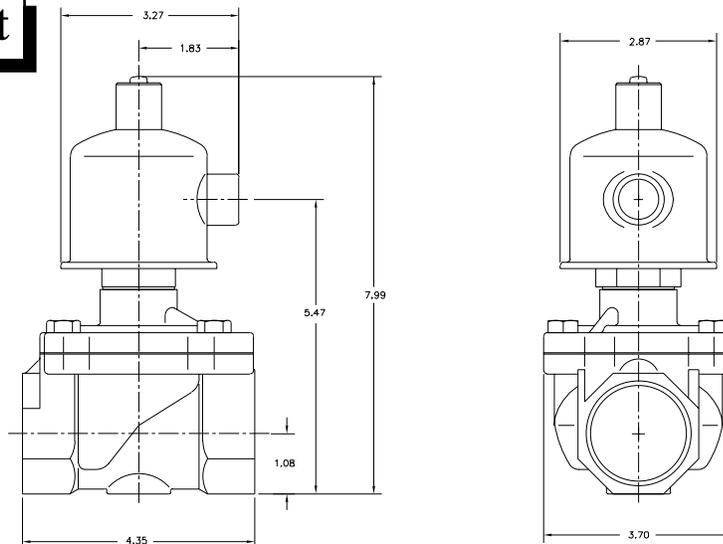
\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**

6.7

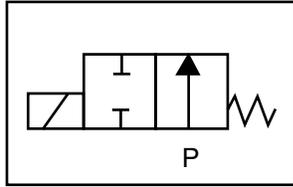




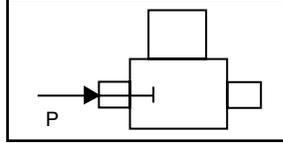
# S272 – 1 1/2" NPT, Brass Body, Normally Open

## Valve Selection List

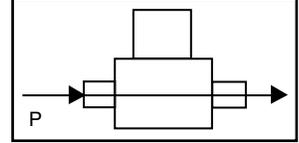
Normally Open



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	
			Maximum										AC	DC		
			Air/Gas		Water		Light Oil		Steam*							
			Minimum	AC	DC	AC	DC	AC	DC	AC	DC				Stainless Steel Body Type 316	
1 1/2	1 1/4	23	0	125	125	125	125	—	—	—	—	295	EPR	18.5	22.5	S272AF02C5HJ2
	1 1/4	23	0	125	125	125	125	70	70	—	—	180	Nitrile	18.5	22.5	S272AF02N5HJ2
	1 1/4	23	0	125	125	125	125	70	70	—	—	230	Viton	18.5	22.5	S272AF02V5HJ2
	1 1/4	23	0	—	—	—	—	—	—	50*	50*	295	EPR	18.5	22.5	S272AH02C5HJ2

\* 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>2</b>	<b>7</b>	<b>2</b>	<b>A</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>H</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			2: Normally Open	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	H: 1 1/2" NPT	J2: 1 1/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S5

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	130
	Holding	22

- 1 1/2" NPT
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Open



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

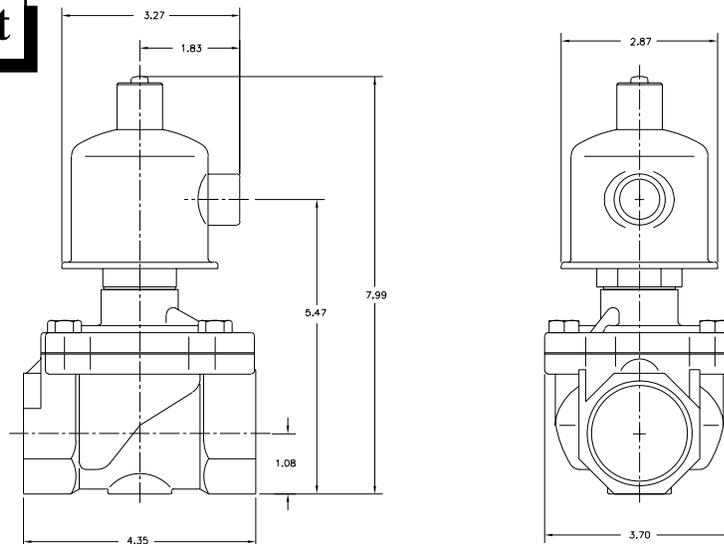
\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**

6.7

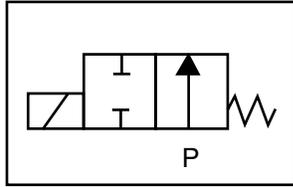




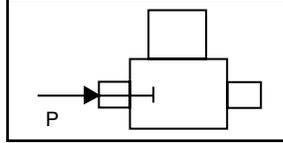
# S272 – 1 1/2" NPT, Stainless Steel Body, Type 316 Normally Open

## Valve Selection List

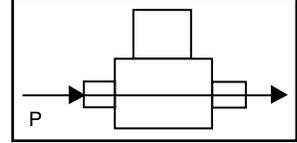
Normally Open



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*							
			Minimum	AC	DC	AC	DC	AC	DC	AC	DC				Stainless Steel Body Type 316	
1 1/2	1 1/4	23	0	125	125	125	125	—	—	—	—	295	EPR	18.5	22.5	S272AF02E7HJ2
	1 1/4	23	0	125	125	125	125	70	70	—	—	180	Nitrile	18.5	22.5	S272AF02J7HJ2
	1 1/4	23	0	125	125	125	125	70	70	—	—	230	Viton	18.5	22.5	S272AF02L7HJ2
	1 1/4	23	0	—	—	—	—	—	—	50*	50*	295	EPR	18.5	22.5	S272AH02E7HJ2

\* 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>2</b>	<b>7</b>	<b>2</b>	<b>A</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>H</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			2: Normally Open	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	H: 1 1/2" NPT	J2: 1 1/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family			
Type	Size	Frequency (Hz)	
All	S5		60
			50
		Nominal Power (VA)	Inrush
		Holding	22
			28

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



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

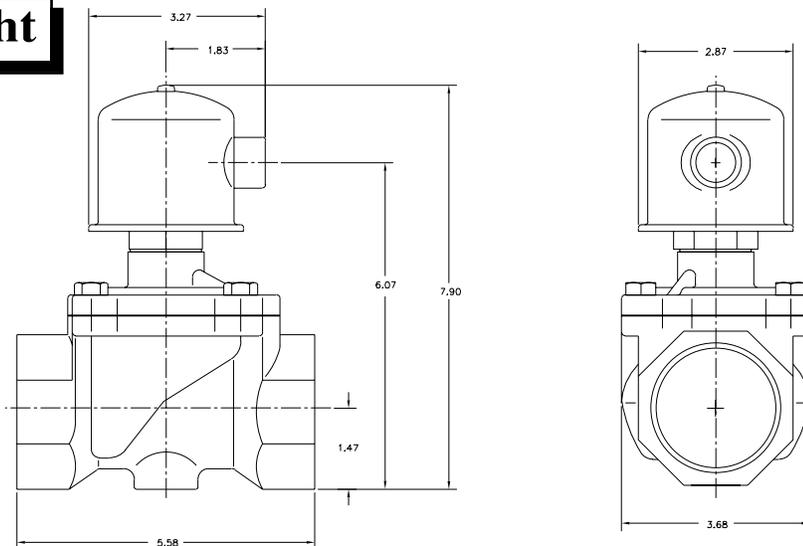
\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**

9.1

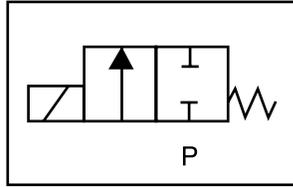




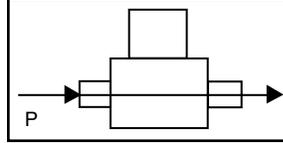
# S27 – 2" NPT, Brass Body, Normally Closed

## Valve Selection List

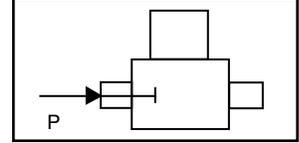
Normally Closed



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		Steam*						Brass Body	
Minimum	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC				
2	1 1/4	28	0	125	125	50	50	—	—	—	—	295	EPR	17.5	22.5	S271AF02C5JJ2
	1 1/4	28	0	125	125	50	50	70	70	—	—	180	Nitrile	17.5	22.5	S271AF02N5JJ2
	1 1/4	28	0	125	125	50	50	70	70	—	—	230	Viton	17.5	22.5	S271AF02V5JJ2
	1 1/4	28	0	—	—	—	—	—	—	50*	—	295	EPR	17.5	—	S271AH02C5JJ2

\* 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>2</b>	<b>7</b>	<b>1</b>	<b>A</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>J</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			1: Normally Closed	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	J: 2" NPT	J2: 1 1/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S5

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush 130	130
	Holding 22	28

- 2" NPT
- Stainless Steel
- Type 316
- 2-Way Zero Differential
- Piloted Diaphragm
- Normally Closed



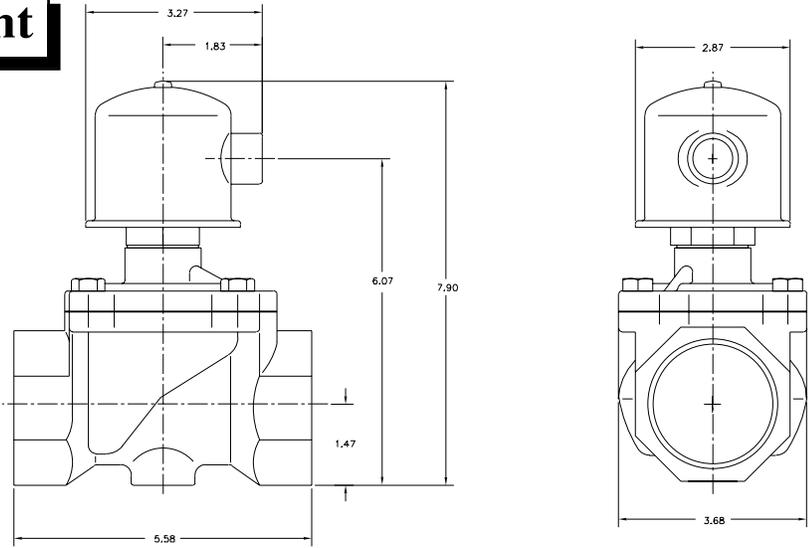
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Stainless Steel Ø 1 1/4"
Electrical	Standard Housing:	Conduit (NEMA 1)
	Optional Housings:	Watertight (NEMA 4), Junction Box. Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC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

\* Not available for all variations

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## Dimensions/Weight

<b>Weight (lbs.)</b>
9.1

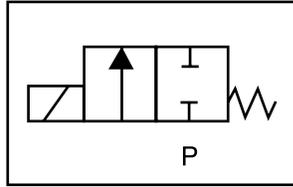




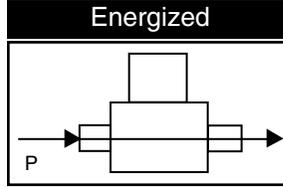
# S271 – 2" NPT, Stainless Steel Body, Type 316 Normally Closed

## Valve Selection List

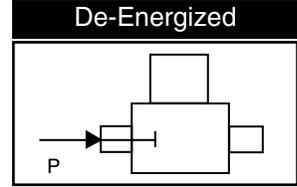
Normally Closed



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		Steam*							
			Minimum	AC	DC	AC	DC	AC	DC	AC	DC		AC	DC	Stainless Steel Body Type 316	
2	1 1/4	28	0	125	125	50	50	—	—	—	—	295	EPR	17.5	22.5	S271AF02E7JJ2
	1 1/4	28	0	125	125	50	50	70	70	—	—	180	Nitrile	17.5	22.5	S271AF02J7JJ2
	1 1/4	28	0	125	125	50	50	70	70	—	—	230	Viton	17.5	22.5	S271AF02L7JJ2
	1 1/4	28	0	—	—	—	—	—	—	50*	—	295	EPR	17.5	22.5	S271AH02E7JJ2

\* 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>2</b>	<b>7</b>	<b>1</b>	<b>A</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>J</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			1: Normally Closed	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	J: 2" NPT	J2: 1 1/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S5

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	130
	Holding	22

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



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

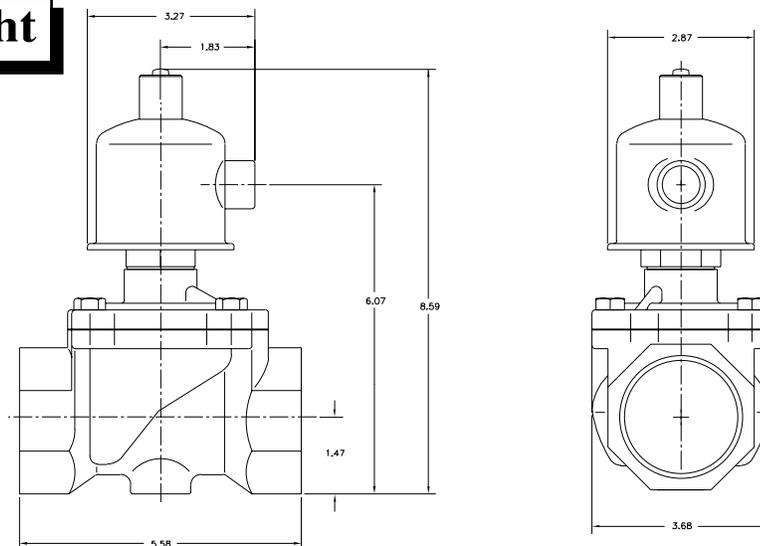
\* Not available for all variations

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## Dimensions/Weight

**Weight (lbs.)**

9.1

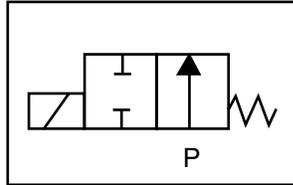




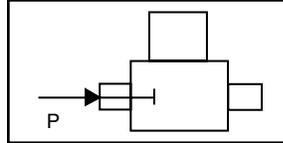
# S272 – 2" NPT, Brass Body, Normally Open

## Valve Selection List

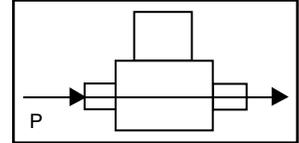
Normally Open



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 )	
			Maximum										AC	DC		
			Air/Gas		Water		Light Oil		Steam*							
			Minimum	AC	DC	AC	DC	AC	DC	AC	DC		AC	DC	Brass Body	
2	1 1/4	27	0	125	—	125	—	—	—	—	—	295	EPR	18.5	—	S272AF02C5JJ2
	1 1/4	27	0	125	—	125	—	70	—	—	—	180	Nitrile	18.5	—	S272AF02N5JJ2
	1 1/4	27	0	125	—	125	—	70	—	—	—	230	Viton	18.5	—	S272AF02V5JJ2
	1 1/4	27	0	—	—	—	—	—	—	50*	—	295	EPR	18.5	—	S272AH02C5JJ2

\* 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>2</b>	<b>7</b>	<b>2</b>	<b>A</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>C</b>	<b>5</b>	<b>J</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			2: Normally Open	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	J: 2" NPT	J2: 1 1/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S5

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	130
	Holding	22

- 2" NPT
- Stainless Steel Body  
Type 316
- 2-Way Zero Differential  
Piloted Diaphragm
- Normally Open



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

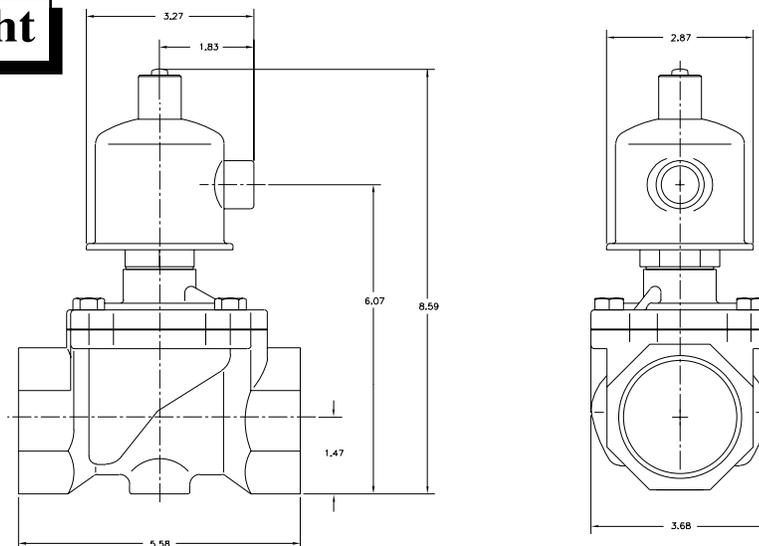
\* Not available for all variations

® Registered Trademark of DuPont Co.

## Dimensions/Weight

Weight (lbs.)

9.1

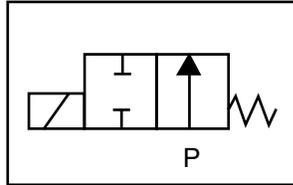




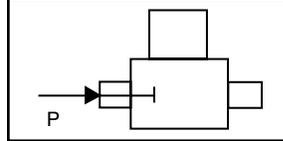
# S272 – 2" NPT, Stainless Steel Body, Type 316 Normally Open

## Valve Selection List

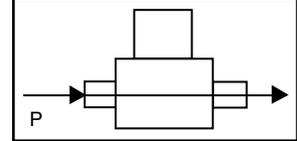
Normally Open



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 )  Stainless Steel Body Type 316	
			Maximum										AC	DC		
			Air/Gas		Water		Light Oil		Steam*							
			AC	DC	AC	DC	AC	DC	AC	DC						
2	1 1/4	27	0	125	—	125	—	—	—	—	—	295	EPR	18.5	—	S272AF02E7JJ2
	1 1/4	27	0	125	—	125	—	70	—	—	—	180	Nitrile	18.5	—	S272AF02J7JJ2
	1 1/4	27	0	125	—	125	—	70	—	—	—	230	Viton	18.5	—	S272AF02L7JJ2
	1 1/4	27	0	—	—	—	—	—	—	50*	—	295	EPR	18.5	—	S272AH02E7JJ2

\* 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>2</b>	<b>7</b>	<b>2</b>	<b>A</b>	<b>F</b>	<b>0</b>	<b>2</b>	<b>E</b>	<b>7</b>	<b>J</b>	<b>J</b>	<b>2</b>
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S27			2: Normally Open	A: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	J: 2" NPT	J2: 1 1/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

## Coil Data

Coil Family	
Type	Size
All	S5

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	130
	Holding	22

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