

GC Valves—S21 Series Overview

Mountain Controls is proud to offer quality solenoid valves from GC valves. The S21 Series features the following:

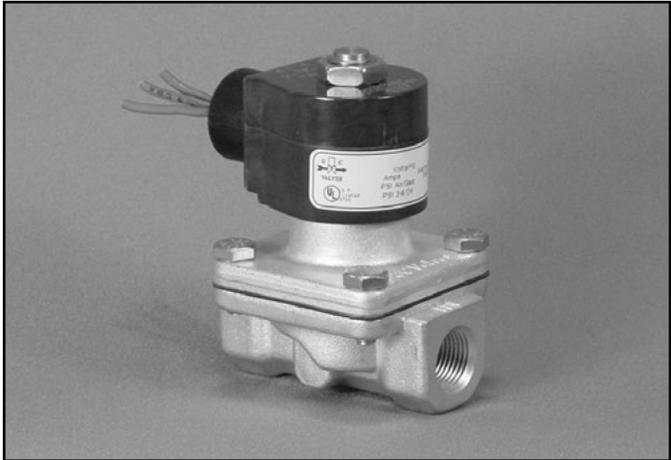
- 2-way piloted diaphragm valves
- Available in normally closed and normally open operation modes
- 1 to 250 psi
- Cv to 29
- Orifices to 1-1/2"
- Brass or stainless steel body
- Buna, EPR, NORYL, Plastic, Teflon, or Viton seals
- 3/8" to 2" NPT ports

Specifications in this guide:

- [S21 Series 3/8" NPT, Brass Body, Normally Closed](#)
- [S21 Series 3/8" NPT, Type 316 SS Body, Normally Closed](#)
- [S21 Series 3/8" NPT, Brass Body, Normally Closed, High Performance](#)
- [H21 Series 3/8" NPT, Brass Body, Normally Closed, High Pressure](#)
- [S21 Series 3/8" NPT, Brass Body, Normally Closed](#)
- [S21 Series 3/8" NPT, Type 316 SS Body, Normally Open](#)
- [S21 Series 3/8" NPT, Brass Body, Normally Open, High Performance](#)
- [S21 Series 1/2" NPT, Brass Body, Normally Closed](#)
- [S21 Series 1/2" NPT, Type 316 SS Body, Normally Closed](#)
- [S21 Series 1/2" NPT, Brass Body, Normally Closed, High Performance](#)
- [H21 Series 1/2" NPT, Brass Body, Normally Closed, High Pressure](#)
- [S21 Series 1/2" NPT, Brass Body, Normally Open](#)
- [S21 Series 1/2" NPT, Type 316 SS Body, Normally Open](#)
- [S21 Series 1/2" NPT, Brass Body, Normally Open, High Performance](#)
- [S21 Series 3/4" NPT, Brass Body, Normally Closed](#)
- [S21 Series 3/4" NPT, Type 316 SS Body, Normally Closed](#)
- [S21 Series 3/4" NPT, Brass Body, Normally Closed, High Performance](#)
- [H21 Series 3/4" NPT, Brass Body, Normally Closed, High Pressure](#)
- [S21 Series 3/4" NPT, Brass Body, Normally Open](#)
- [S21 Series 3/4" NPT, Type 316 SS Body, Normally Open](#)
- [S21 Series 3/4" NPT, Brass Body, Normally Open, High Performance](#)
- [S21 Series 1" NPT, Brass Body, Normally Closed](#)
- [S21 Series 1" NPT, Type 316 SS Body, Normally Closed](#)
- [S21 Series 1" NPT, Brass Body, Normally Closed, High Performance](#)
- [S21 Series 1" NPT, Type 316 SS Body, Normally Closed, High Performance](#)
- [S21 Series 1" NPT, Brass Body, Normally Open](#)
- [S21 Series 1" NPT, Type 316 SS Body, Normally Open](#)

- [S21 Series 1" NPT, Type 316 SS Body, Normally Open, High Performance](#)
- [S21 Series 1-1/4" NPT, Brass Body, Normally Closed](#)
- [S21 Series 1-1/4" NPT, Type 316 SS Body, Normally Closed](#)
- [S21 Series 1-1/4" NPT, Brass Body, Normally Closed, High Performance](#)
- [S21 Series 1-1/4" NPT, Type 316 SS Body, Normally Closed, High Performance](#)
- [S21 Series 1-1/4" NPT, Brass Body, Normally Open](#)
- [S21 Series 1-1/4" NPT, Type 316 SS Body, Normally Open](#)
- [S21 Series 1-1/4" NPT, Brass Body, Normally Open, High Performance](#)
- [S21 Series 1-1/4" NPT, Type 316 SS Body, Normally Open, High Performance](#)
- [S21 Series 1-1/2" NPT, Brass Body, Normally Closed](#)
- [S21 Series 1-1/2" NPT, Type 316 SS Body, Normally Closed](#)
- [S21 Series 1-1/2" NPT, Brass Body, Normally Closed, High Performance](#)
- [S21 Series 1-1/2" NPT, Type 316 SS Body, Normally Closed, High Performance](#)
- [S21 Series 1-1/2" NPT, Brass Body, Normally Open](#)
- [S21 Series 1-1/2" NPT, Type 316 SS Body, Normally Open](#)
- [S21 Series 1-1/2" NPT, Brass Body, Normally Open, High Performance](#)
- [S21 Series 1-1/2" NPT, Type 316 SS Body, Normally Open, High Performance](#)
- [S21 Series 2" NPT, Brass Body, Normally Closed](#)
- [S21 Series 2" NPT, Type 316 SS Body, Normally Closed](#)
- [S21 Series 2" NPT, Brass Body, Normally Closed, High Performance](#)
- [S21 Series 2" NPT, Type 316 SS Body, Normally Closed, High Performance](#)
- [S21 Series 2" NPT, Brass Body, Normally Open](#)
- [S21 Series 2" NPT, Type 316 SS Body, Normally Open](#)
- [S21 Series 2" NPT, Brass Body, Normally Open, High Performance](#)
- [S21 Series 2" NPT, Type 316 SS Body, Normally Open, High Performance](#)

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



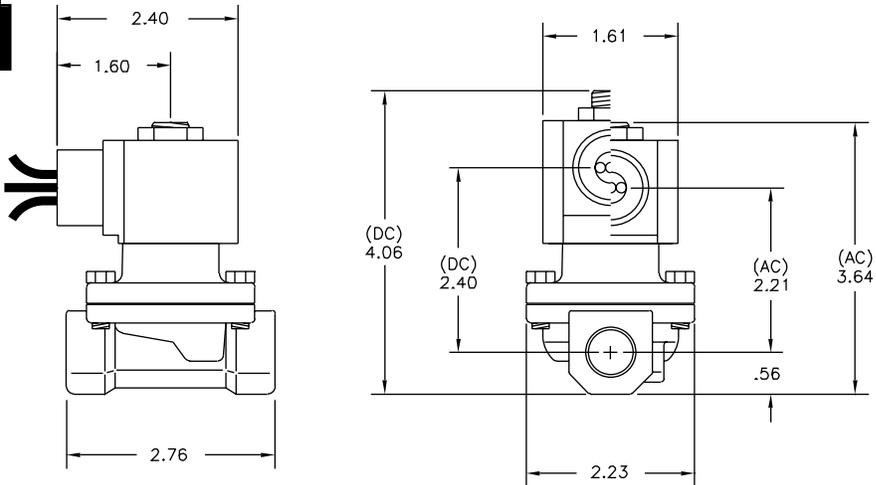
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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.)
2.5

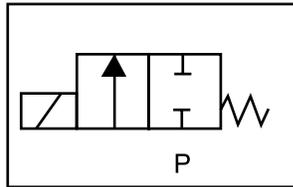




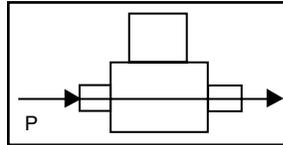
S211 – 3/8" NPT, Brass Body, Normally Closed

Valve Selection List

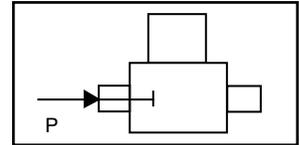
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC
3/8	5/8	4.3	4	200	150	150	100	—	—	—	—	295	EPR	8	10	S211GF02C5CG4
	5/8	4.3	4	200	150	150	100	150	100	—	—	180	Nitrile	8	10	S211GF02N5CG4
	5/8	4.3	4	200	150	150	100	150	100	—	—	230	Viton	8	10	S211GF02V5CG4
	5/8	4.3	4	—	—	—	—	—	—	50*	50*	295	EPR	8	10	S211GH02C5CG4

* 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	1	1	G	F	0	2	C	5	C	G	4
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			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
AC	S3
DC	S4

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



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



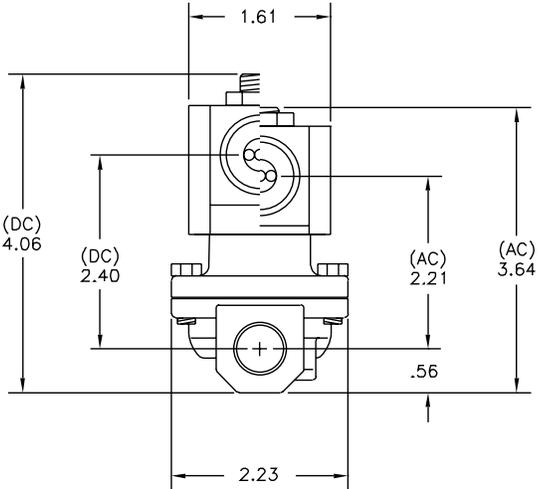
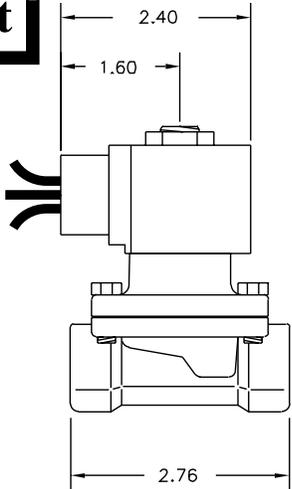
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Stainless Steel Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual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

Weight (lbs.)
2.5

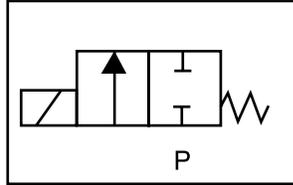




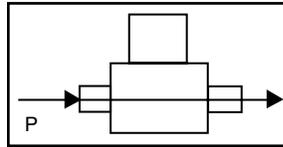
S211 – 3/8" NPT, Stainless Steel Body, Type 316, Normally Closed

Valve Selection List

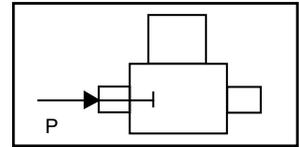
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
3/8	5/8	4.3	4	200	150	150	100	—	—	—	—	295	EPR	8	10	S211GF02E7CG4
	5/8	4.3	4	200	150	150	100	150	100	—	—	180	Nitrile	8	10	S211GF02J7CG4
	5/8	4.3	4	200	150	150	100	150	100	—	—	230	Viton	8	10	S211GF02L7CG4
	5/8	4.3	4	—	—	—	—	—	—	50*	50*	295	EPR	8	10	S211GH02E7CG4

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

Part Numbering

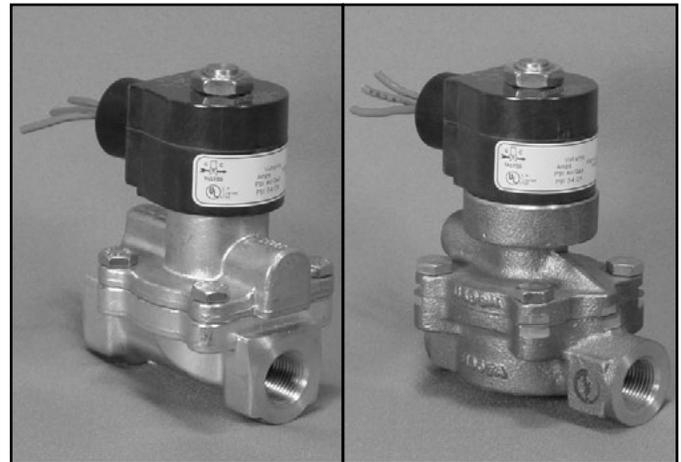
1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	1	1	G	F	0	2	E	7	C	G	4
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	C: 3/8" NPT	G4: 5/8"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
AC	S3
DC	S4

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

- High Performance
- 3/8" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Closed

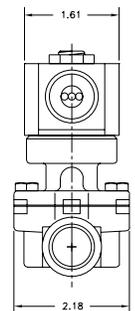
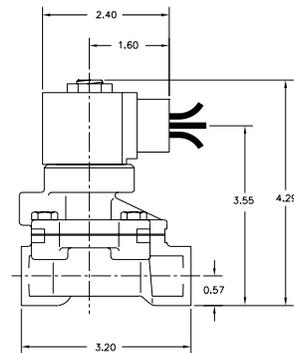
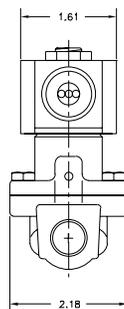
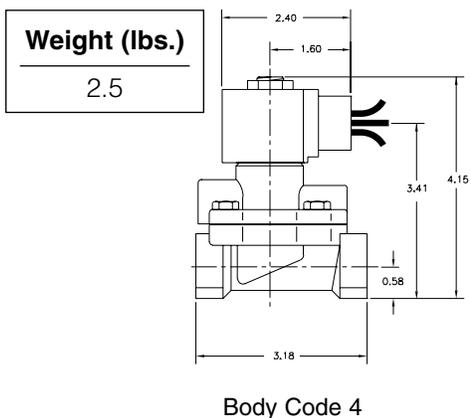


Materials	Seals:	Viton®, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1/2"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 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:	± 45° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

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Dimensions/Weight

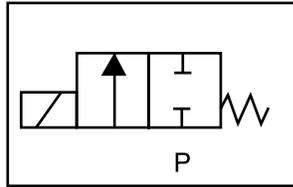




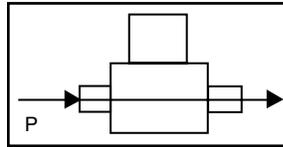
S211 – High Performance, 3/8" NPT, Brass Body, Normally Closed

Valve Selection List

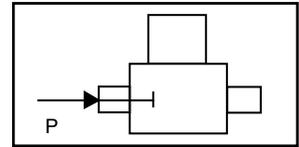
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
3/8	1/2	3.3	1	250	150	250	150	250	150	—	—	230	Viton	8	9	S211GF02K4CG1
	1/2	3.3	1	—	—	—	—	—	—	—	100*100*	338	Teflon	8	9	S211GH02T4CG1
	1/2	3.3	10	—	—	—	—	—	—	—	150*150*	366	Teflon	8	9	S211GH02T2CG1

* 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	1	1	G	F	0	2	K	4	C	G	1
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		K: Viton T: Teflon	4: Forged Brass 2: Brass	C: 3/8" NPT		
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

- High Pressure
- 3/8" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Closed



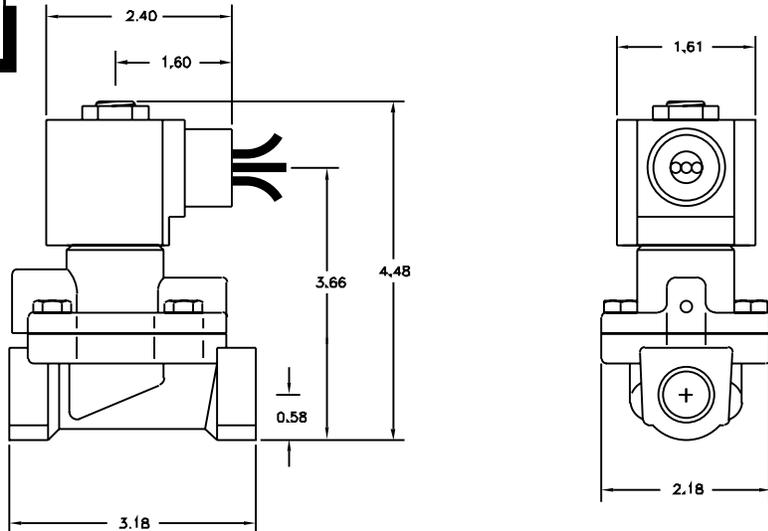
Materials	Seals:	Viton®, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1/2"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Recognized

* Not available for all variations

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Dimensions/Weight

Weight (lbs.)
2.5

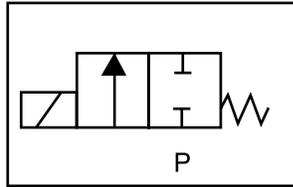




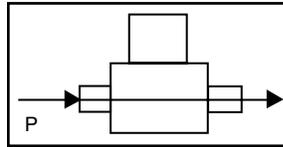
H211 – High Pressure, 3/8" NPT, Brass Body, Normally Closed

Valve Selection List

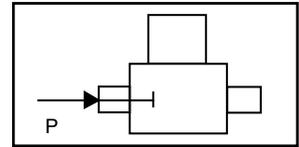
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum								AC	DC	
				Air/Gas		Water		Light Oil						
				AC	DC	AC	DC	AC	DC			AC	DC	Brass Body
3/8	1/2	3.3	10	1400	1400	1400	1400	1400	1400	230	Viton/Teflon	10	10	H211GF02Z4CG1

Part Numbering

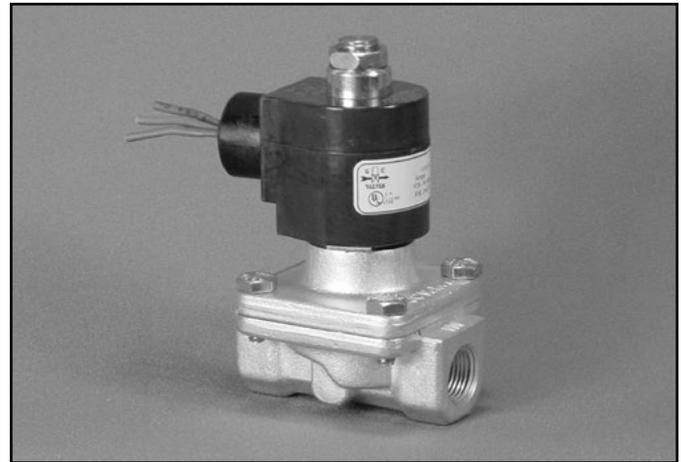
1	2	3	4	5	6	7	8	9	10	11	12	13
H	2	1	1	G	F	0	2	Z	4	C	G	1
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
H21			1: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		Z: Viton/ Teflon	4: Brass	C: 3/8" NPT	G1: 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S4

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

- 3/8" NPT
- Brass Body
- 2-Way 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

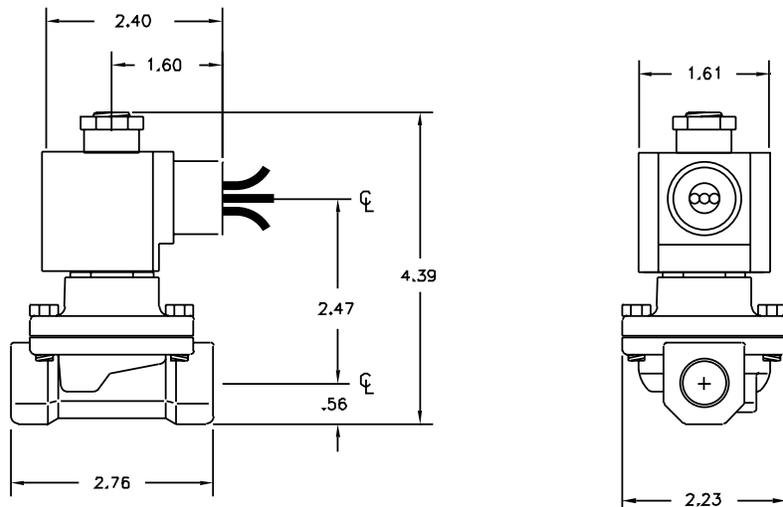
* Not available for all variations

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Dimensions/Weight

Weight (lbs.)

2.5

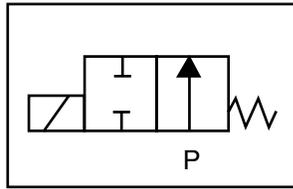




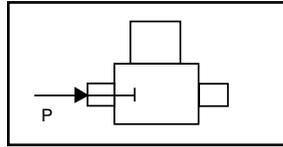
S212 – 3/8" NPT, Brass Body, Normally Open

Valve Selection List

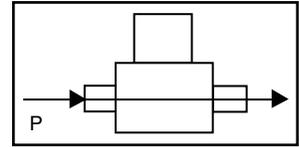
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC
3/8	5/8	3.3	3	200	140	200	125	—	—	—	—	295	EPR	11	10	S212GF02C5CG4
	5/8	3.3	3	200	140	200	125	200	125	—	—	180	Nitrile	11	10	S212GF02N5CG4
	5/8	3.3	3	200	140	200	125	200	125	—	—	230	Viton	11	10	S212GF02V5CG4
	5/8	3.3	3	—	—	—	—	—	—	50*	50*	295	EPR	11	10	S212GH02C5CG4

* 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	1	2	G	F	0	2	C	5	C	G	4
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			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 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

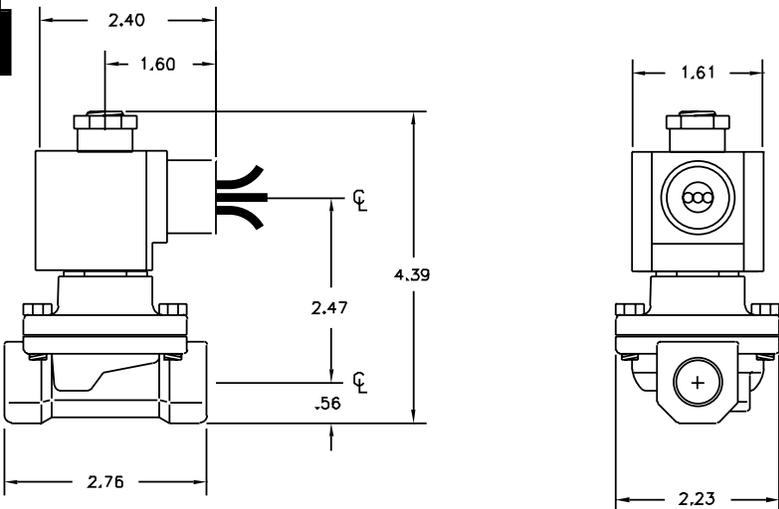
* Not available for all variations

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Dimensions/Weight

Weight (lbs.)

2.5

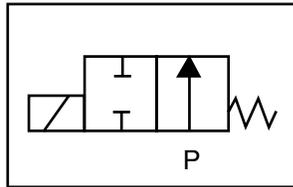




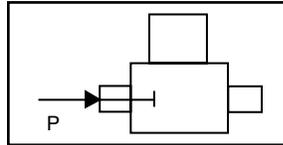
S212 – 3/8" NPT, Stainless Steel Body, Type 316, Normally Open

Valve Selection List

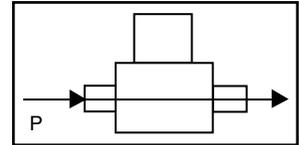
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	Stainless Steel Body Type 316		
3/8	5/8	3.3	3	200	140	200	125	—	—	—	—	295	EPR	11	10	S212GF02E7CG4
	5/8	3.3	3	250	140	200	125	200	125	—	—	180	Nitrile	11	10	S212GF02J7CG4
	5/8	3.3	3	200	140	200	125	200	125	—	—	230	Viton	11	10	S212GF02L7CG4
	5/8	3.3	3	—	—	—	—	—	—	50*	50*	295	EPR	11	10	S212GH02E7CG4

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

Part Numbering

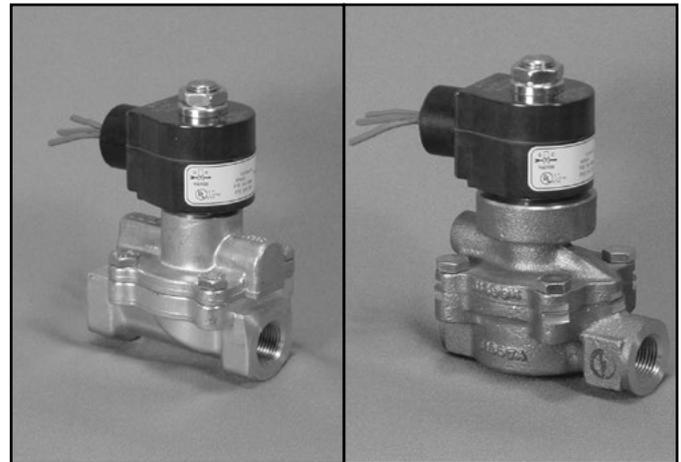
1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	1	2	G	F	0	2	E	7	C	G	4
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	C: 3/8" NPT	G4: 5/8"	
* 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	46
	Holding	22	25

- High Performance
- 3/8" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Open



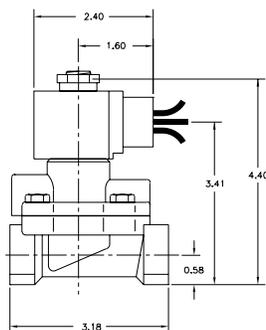
Materials	Seals:	Viton®, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1/2"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Recognized

* Not available for all variations

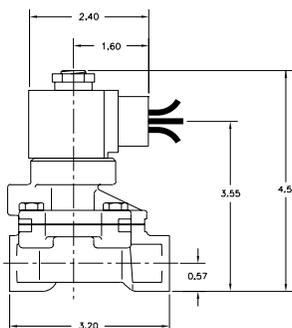
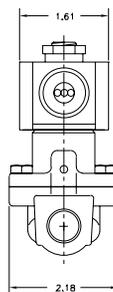
© Registered Trademark of DuPont Co.

Dimensions/Weight

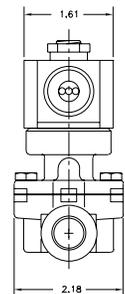
Weight (lbs.)
2.5



Body Code 4



Body Code 2

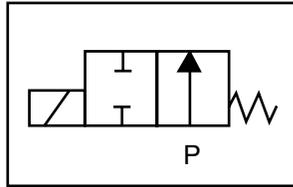




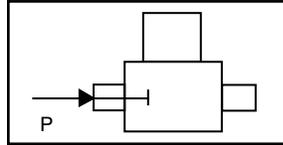
S212 – High Performance, 3/8" NPT, Brass Body, Normally Open

Valve Selection List

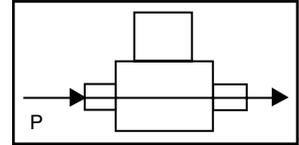
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	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						
3/8	1/2	3.3	1	150	140	150	140	150	140	—	—	230	Viton	8	9	S212GF02K4CG1
	1/2	3.3	1	—	—	—	—	—	—	100*	100*	338	Teflon	8	9	S212GH02T4CG1
	1/2	3.3	10	—	—	—	—	—	—	150*	140*	366	Teflon	8	9	S212GH02T2CG1

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

Part Numbering

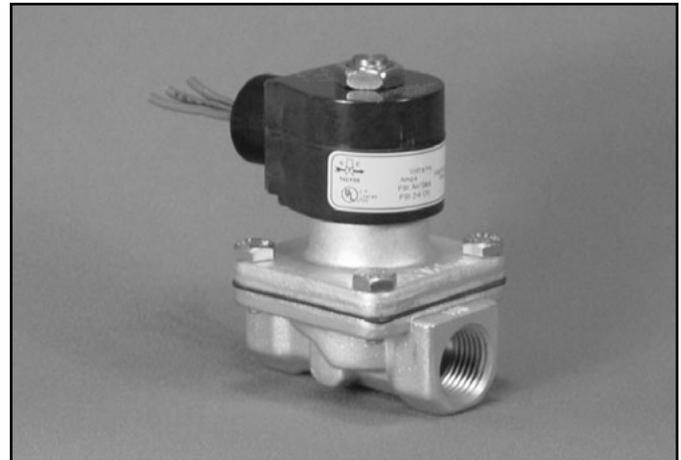
1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	1	2	G	F	0	2	K	4	C	G	1
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		K: Viton T: Teflon	4: Forged Brass 2: Brass	C: 3/8" NPT	G1: 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

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



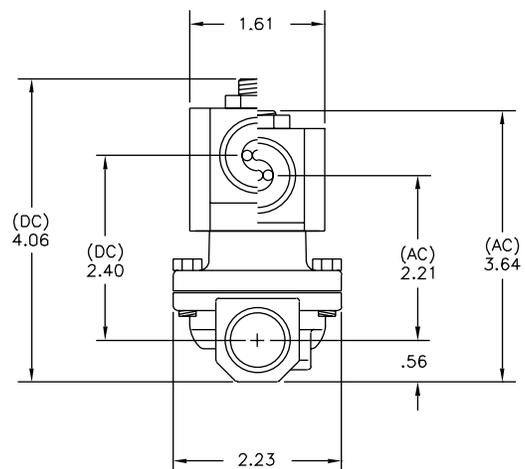
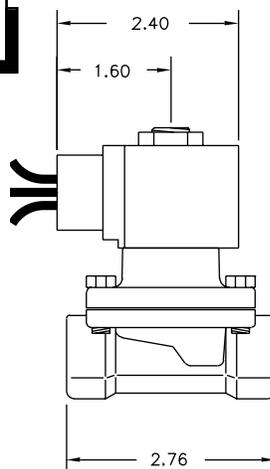
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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.)
2.5

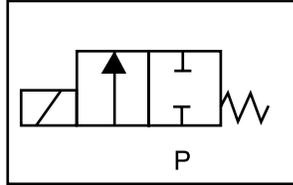




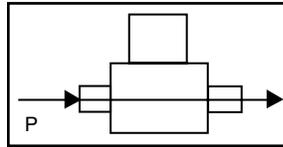
S211 – 1/2" NPT, Brass Body, Normally Closed

Valve Selection List

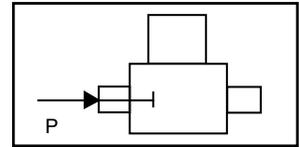
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	
1/2	5/8	4.3	4	200	150	150	100	—	—	—	—	295	EPR	8	10	S211GF02C5DG4
	5/8	4.3	4	200	150	150	100	150	100	—	—	180	Nitrile	8	10	S211GF02N5DG4
	5/8	4.3	4	200	150	150	100	150	100	—	—	230	Viton	8	10	S211GF02V5DG4
	5/8	4.3	4	—	—	—	—	—	—	50*	50*	295	EPR	8	10	S211GH02C5DG4

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

Part Numbering

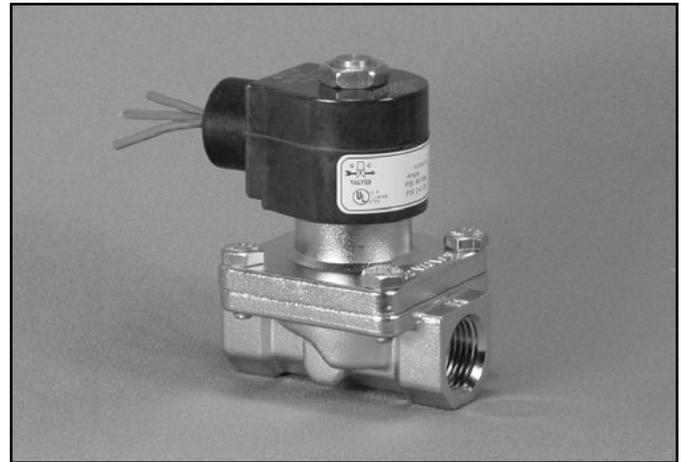
1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	1	1	G	F	0	2	C	5	D	G	4
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	D: 1/2" NPT	G4: 5/8"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
AC	S3
DC	S4

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

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



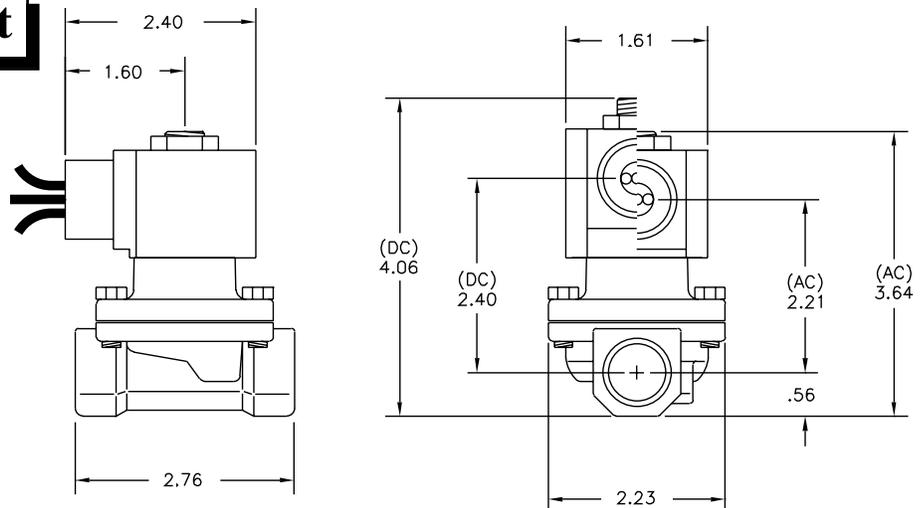
Materials	Seals:	Nitrile , Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual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

Weight (lbs.)
2.5

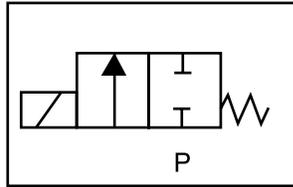




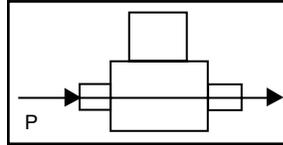
S211 – 1/2" NPT, Stainless Steel Body, Type 316, Normally Closed

Valve Selection List

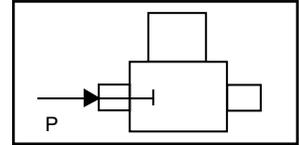
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
1/2	5/8	4.3	4	200	150	150	100	—	—	—	—	295	EPR	8	10	S211GF02E7DG4
	5/8	4.3	4	200	150	150	100	150	100	—	—	180	Nitrile	8	10	S211GF02J7DG4
	5/8	4.3	4	200	150	150	100	150	100	—	—	230	Viton	8	10	S211GF02L7DG4
	5/8	4.3	4	—	—	—	—	—	—	50*	50*	295	EPR	8	10	S211GH02E7DG4

* 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	1	1	G	F	0	2	E	7	D	G	4
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			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.												

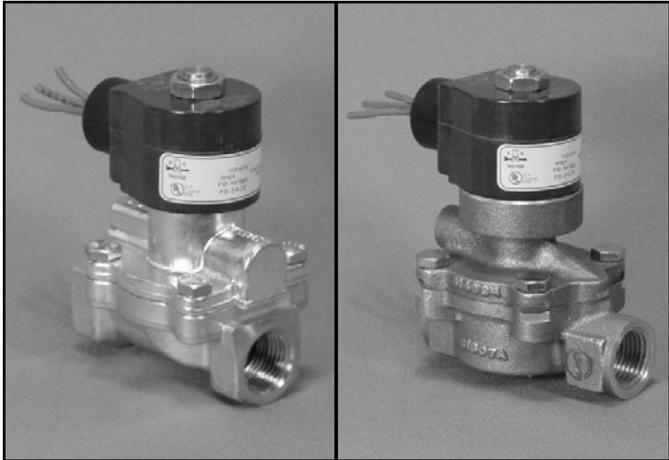
Coil Data

Coil Family	
Type	Size
AC	S3
DC	S4

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



- High Performance
- 1/2" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Closed



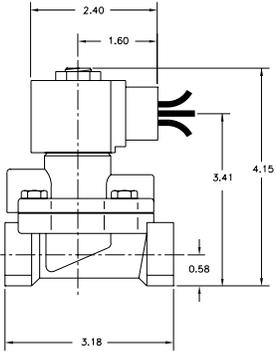
Materials	Seals:	Viton®, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1/2"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 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:	± 45° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

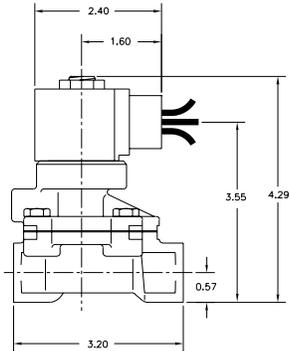
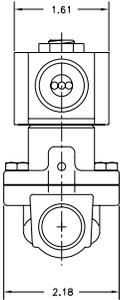
® Registered Trademark of DuPont Co.

Dimensions/Weight

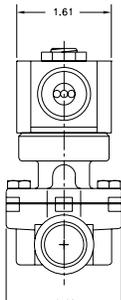
Weight (lbs.)
2.5



Body Code 4



Body Code 2

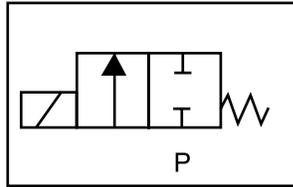




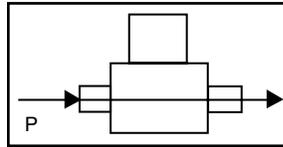
S211 – High Performance, 1/2" NPT, Brass Body, Normally Closed

Valve Selection List

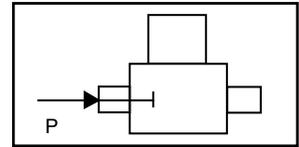
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
1/2	1/2	3.3	1	250	150	250	150	250	150	—	—	230	Viton	8	9	S211GF02K4DG1
	1/2	3.3	1	—	—	—	—	—	—	100*	100*	338	Teflon	8	9	S211GH02T4DG1
	1/2	3.6	10	—	—	—	—	—	—	150*	150*	366	Teflon	8	9	S211GH02T2DG1

* 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	1	1	G	F	0	2	K	4	D	G	1
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		K: Viton T: Teflon	4: Forged Brass 2: Brass	D: 1/2" NPT	G1: 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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



- High Pressure
- 1/2" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Closed



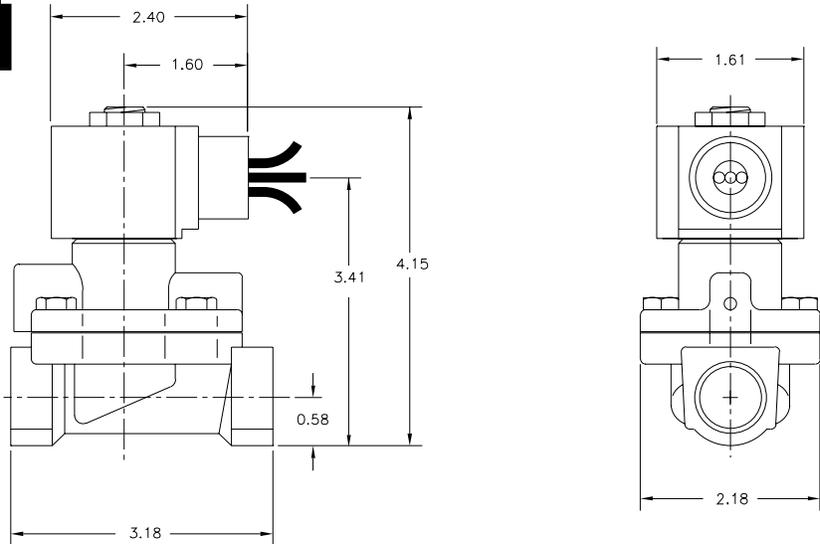
Materials	Seals:	Viton®, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1/2"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Recognized

* Not available for all variations

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Dimensions/Weight

Weight (lbs.)
2.5

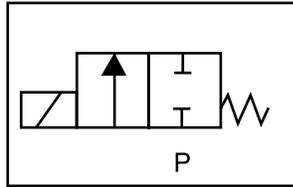




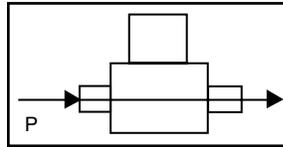
H211 – High Pressure, 1/2" NPT, Brass Body, Normally Closed

Valve Selection List

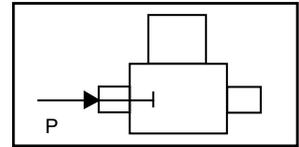
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum								AC	DC	
				Air/Gas		Water		Light Oil						
				AC	DC	AC	DC	AC	DC			AC	DC	Brass Body
1/2	1/2	3.3	10	1400	1400	1400	1400	1400	1400	230	Viton/Teflon	10	10	H211GF02Z4DG1

Part Numbering

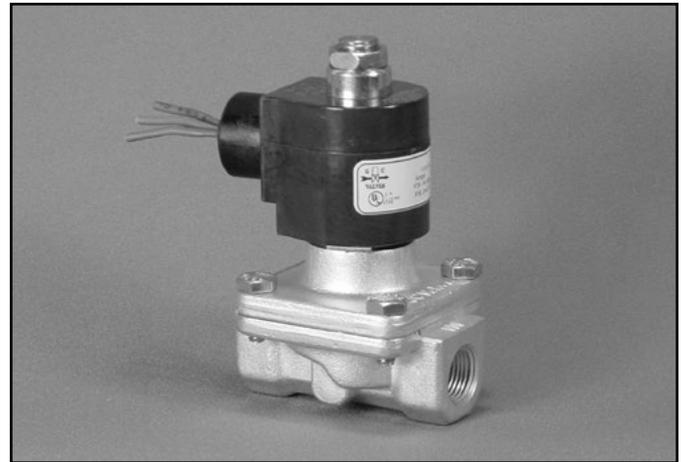
1	2	3	4	5	6	7	8	9	10	11	12	13
H	2	1	1	G	F	0	2	Z	4	D	G	1
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
H21			1: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		Z: Viton/Teflon	4: Brass	D: 1/2" NPT	G1: 1/2"	
* See the "Engineering 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
- 2-Way Piloted
Diaphragm
- Normally Open



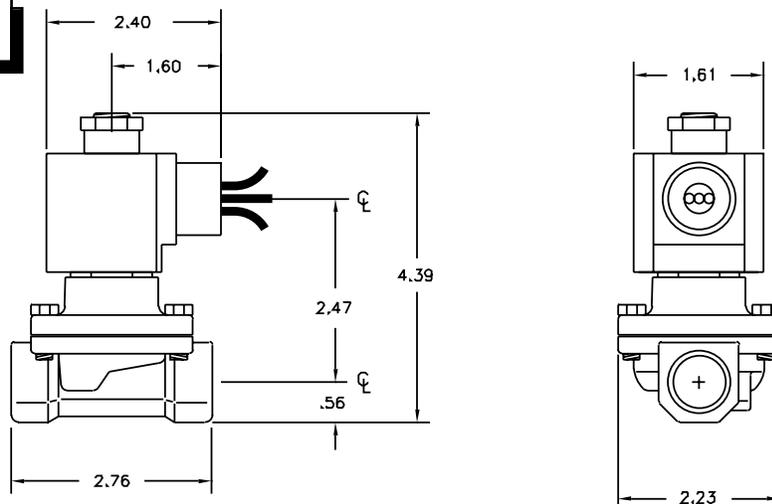
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts),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

Weight (lbs.)
2.5

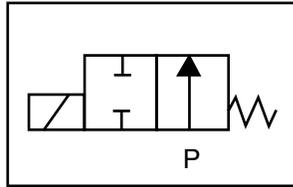




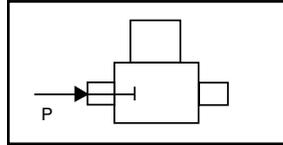
S212 – 1/2" NPT, Brass Body, Normally Open

Valve Selection List

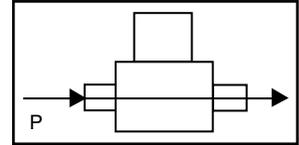
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
1/2	5/8	4.3	3	200	140	200	125	—	—	—	—	295	EPR	11	10	S212GF02C5DG4
	5/8	4.3	3	200	140	200	125	200	125	—	—	180	Nitrile	11	10	S212GF02N5DG4
	5/8	4.3	3	200	140	200	125	200	125	—	—	230	Viton	11	10	S212GF02V5DG4
	5/8	4.3	3	—	—	—	—	—	—	50*	50*	295	EPR	11	10	S212GH02C5DG4

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

Part Numbering

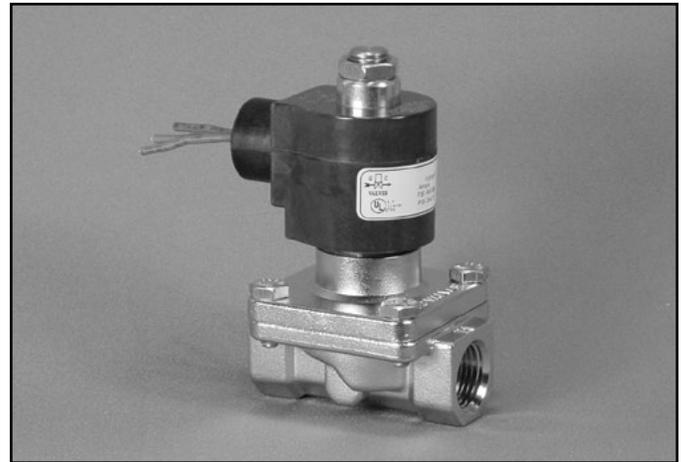
1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	1	2	G	F	0	2	C	5	D	G	4
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	D: 1/2" NPT	G4: 5/8"	
* 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 Piloted Diaphragm
- Normally Open



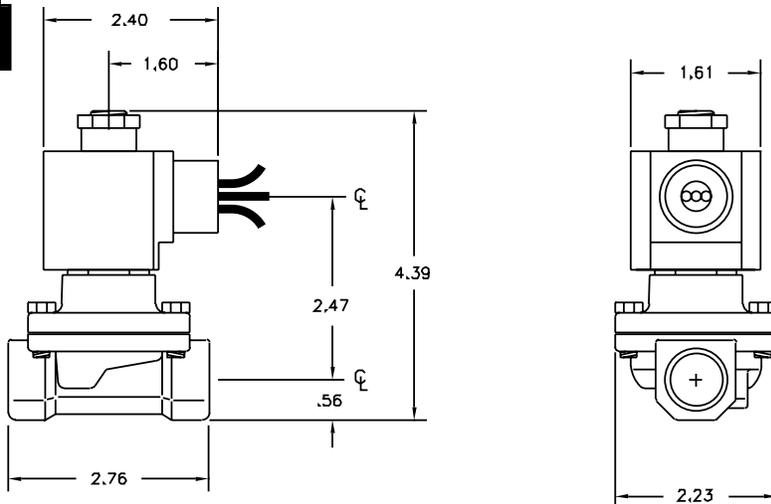
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 5/8"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts),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

Weight (lbs.)
2.5

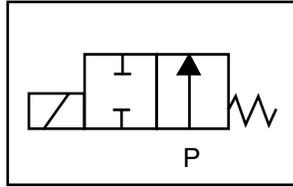




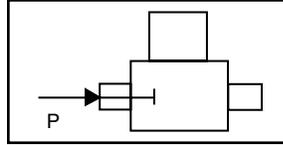
S212 – 1/2" NPT, Stainless Steel Body, Type 316, Normally Open

Valve Selection List

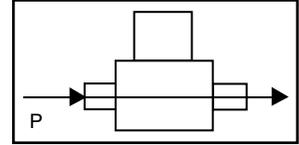
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					Stainless Steel Body Type 316
1/2	5/8	4.3	3	200	140	200	125	—	—	—	—	295	EPR	11	10	S212GF02E7DG4
	5/8	4.3	3	200	140	200	125	200	125	—	—	180	Nitrile	11	10	S212GF02J7DG4
	5/8	4.3	3	200	140	200	125	200	125	—	—	230	Viton	11	10	S212GF02L7DG4
	5/8	4.3	3	—	—	—	—	—	—	50*	50*	295	EPR	11	10	S212GH02E7DG4

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

Part Numbering

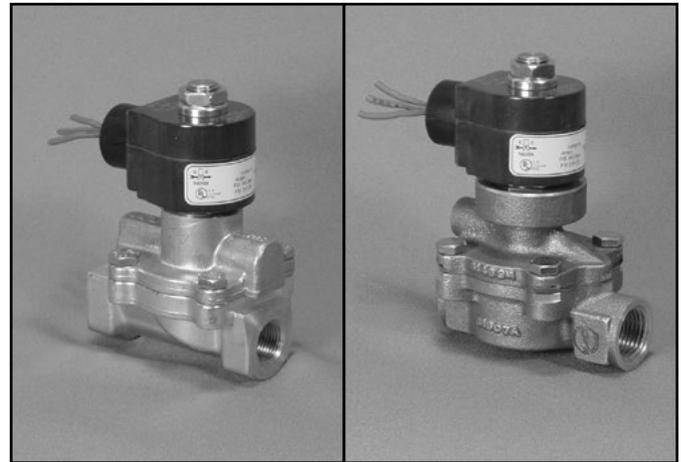
1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	1	2	G	F	0	2	E	7	D	G	4
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	D: 1/2" NPT	G4: 5/8"	
* 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

- High Performance
- 1/2" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Open



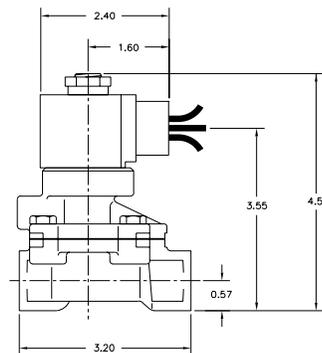
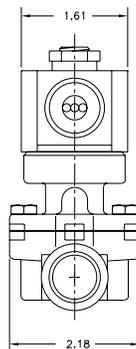
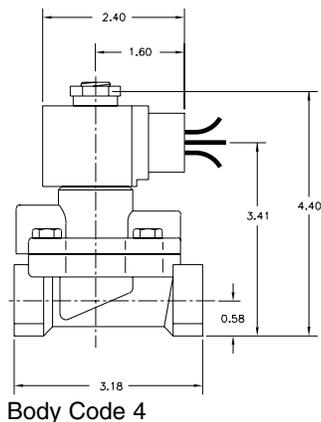
Materials	Seals:	Viton®, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1/2"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 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

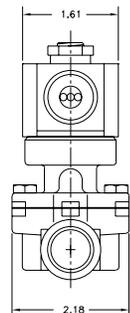
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Dimensions/Weight

Weight (lbs.)
2.5



Body Code 2

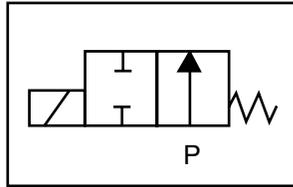




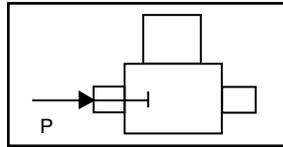
S212 – High Performance, 1/2" NPT, Brass Body, Normally Open

Valve Selection List

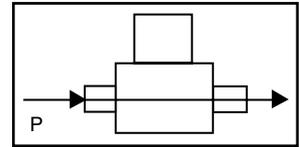
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)	
			Maximum										AC	DC		
			Air/Gas		Water		Light Oil		Steam*						Brass Body	
			AC	DC	AC	DC	AC	DC	AC	DC						
1/2	1/2	3.3	1	150	140	150	140	150	140	—	—	230	Viton	8	9	S212GF02K4DG1
	1/2	3.3	1	—	—	—	—	—	—	100*	100*	338	Teflon	8	9	S212GH02T4DG1
	1/2	3.6	10	—	—	—	—	—	—	150*	140*	366	Teflon	8	9	S212GH02T2DG1

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

Part Numbering

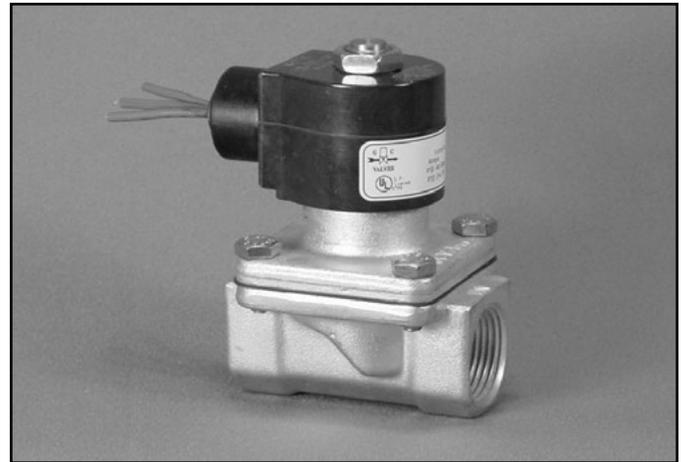
1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	1	2	G	F	0	2	K	4	D	G	1
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		K: Viton T: Teflon	4: Forged Brass 2: Brass	D: 1/2" NPT	G1: 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

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



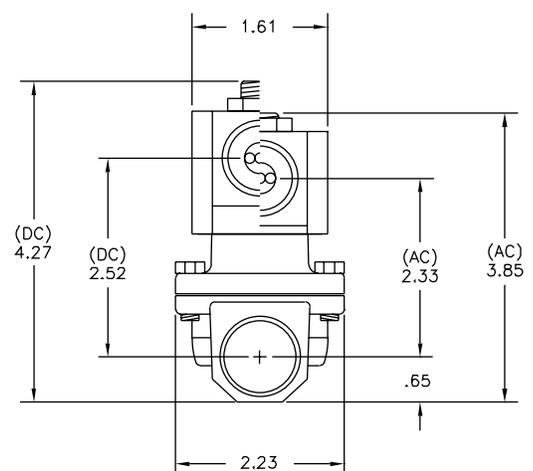
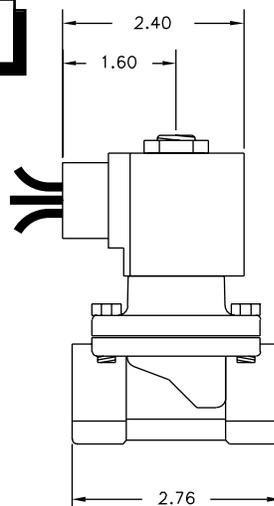
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 3/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts),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

Weight (lbs.)
3.3

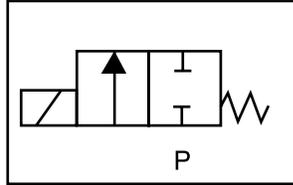




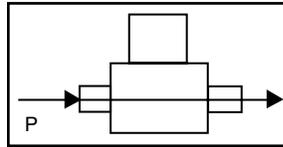
S211 – 3/4" NPT, Brass Body, Normally Closed

Valve Selection List

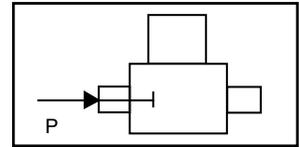
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
3/4	3/4	6.7	4	200	150	150	100	—	—	—	—	295	EPR	8	10	S211GF02C5EG5
	3/4	6.7	4	200	150	150	100	150	100	—	—	180	Nitrile	8	10	S211GF02N5EG5
	3/4	6.7	4	200	150	150	100	150	100	—	—	230	Viton	8	10	S211GF02V5EG5
	3/4	6.7	4	—	—	—	—	—	—	50*	50*	295	EPR	8	10	S211GH02C5EG5

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

Part Numbering

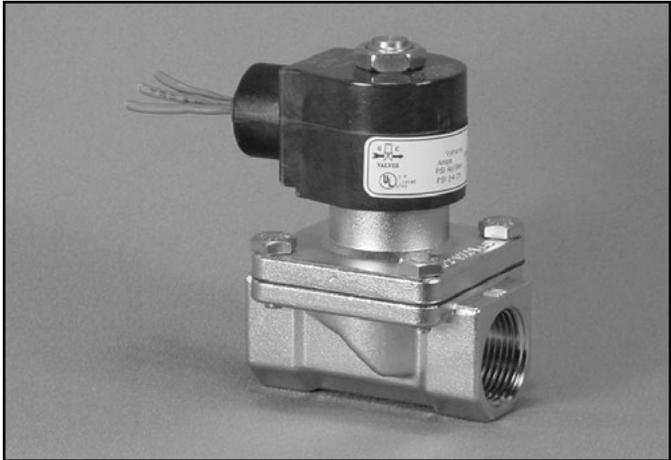
1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	1	1	G	F	0	2	C	5	E	G	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	E: 3/4" NPT	G5: 3/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
AC	S3
DC	S4

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

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



Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: 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

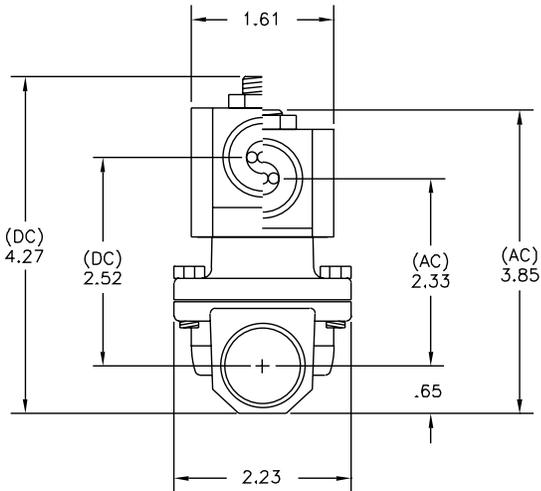
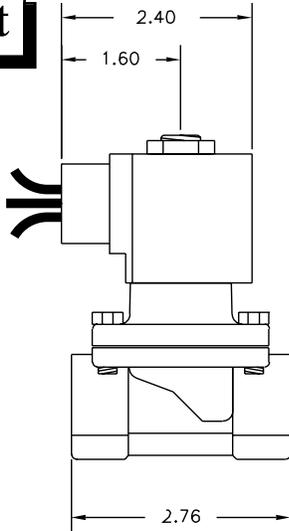
* Not available for all variations

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Dimensions/Weight

Weight (lbs.)

3.3

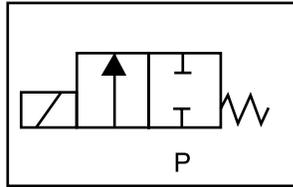




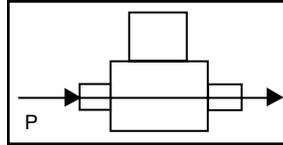
S211 – 3/4" NPT, Stainless Steel Body, Type 316, Normally Closed

Valve Selection List

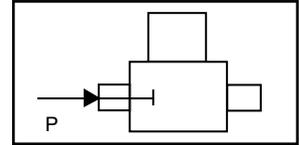
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
3/4	3/4	6.7	4	200	150	150	100	—	—	—	—	295	EPR	8	10	S211GF02E7EG5
	3/4	6.7	4	200	150	150	100	150	100	—	—	180	Nitrile	8	10	S211GF02J7EG5
	3/4	6.7	4	200	150	150	100	150	100	—	—	230	Viton	8	10	S211GF02L7EG5
	3/4	6.7	4	—	—	—	—	—	—	50*	50*	295	EPR	8	10	S211GH02E7EG5

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

Part Numbering

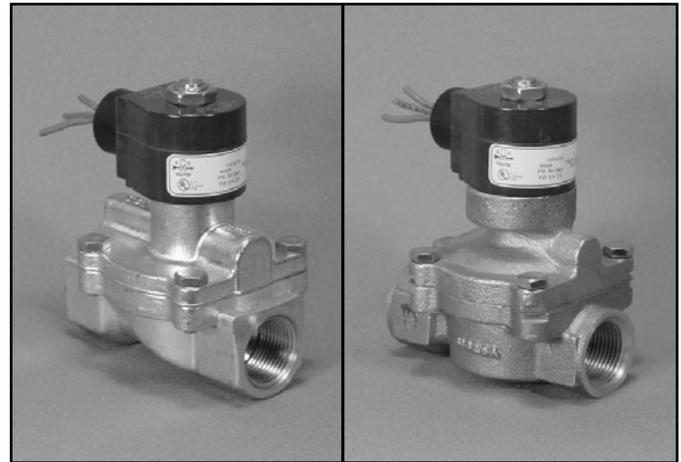
1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	1	1	G	F	0	2	E	7	E	G	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	E: 3/4" NPT	G5: 3/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
AC	S3
DC	S4

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

- High Performance
- 3/4" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Closed



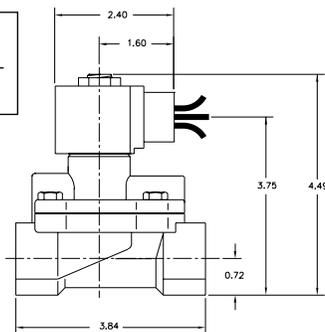
Materials	Seals:	Viton®, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 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:	± 45° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

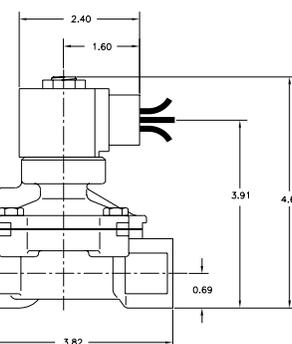
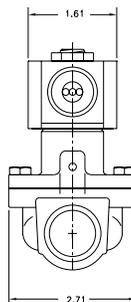
® Registered Trademark of DuPont Co.

Dimensions/Weight

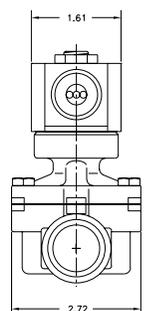
Weight (lbs.)
3.3



Body Code 4



Body Code 2

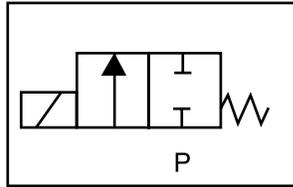




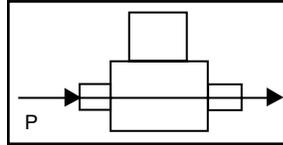
S211 – High Performance, 3/4" NPT, Brass Body, Normally Closed

Valve Selection List

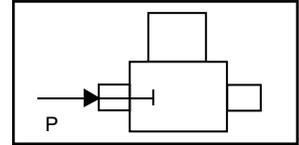
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	
	3/4	6.1	1	250	150	250	150	250	150	—	—	230	Viton	8	9	S211GF02K4EG5
3/4	3/4	6.1	1	—	—	—	—	—	—	100*	100*	338	Teflon	8	9	S211GH02T4EG5
	3/4	7.0	10	—	—	—	—	—	—	150*	150*	366	Teflon	8	9	S211GH02T2EG5

* 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	1	1	G	F	0	2	K	4	E	G	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		K: Viton T: Teflon	4: Forged Brass 2: 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	S3

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

- High Pressure
- 3/4" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Closed



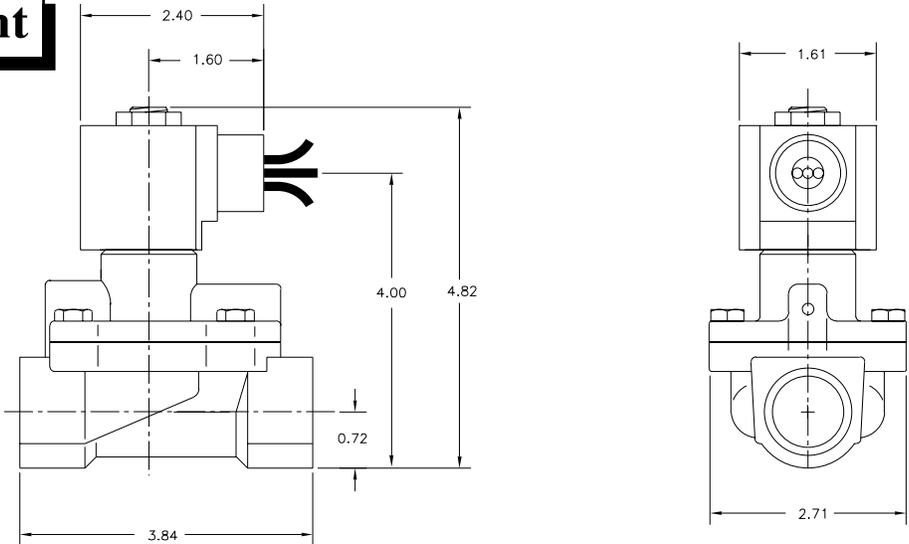
Materials	Seals:	Viton®, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inch
Operating Temperature	Ambient (Nominal):	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Recognized

* Not available for all variations

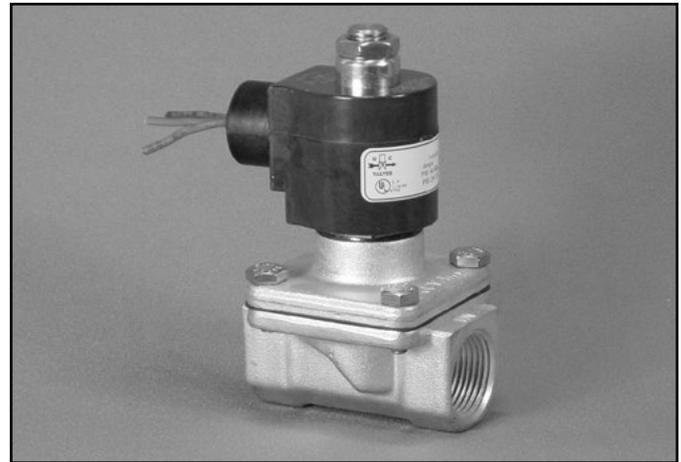
© Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
3.3



- 3/4" NPT
- Brass Body
- 2-Way 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

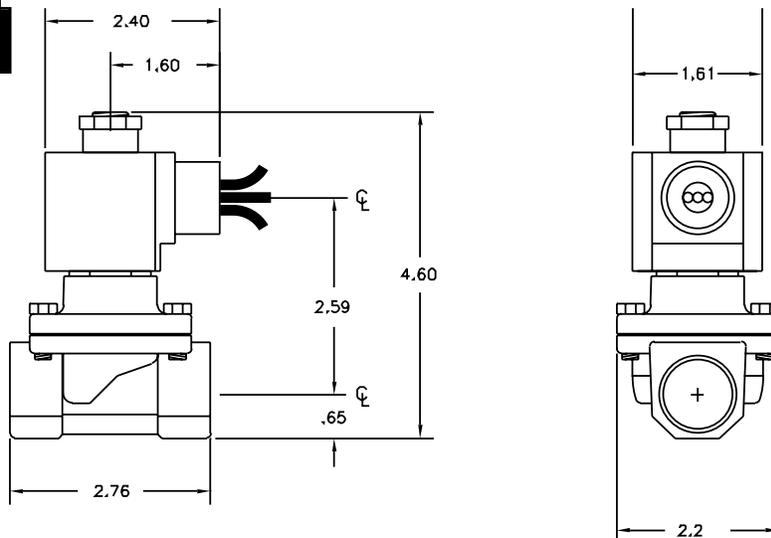
* Not available for all variations

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Dimensions/Weight

Weight (lbs.)

3.3

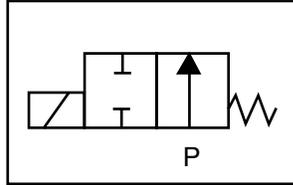




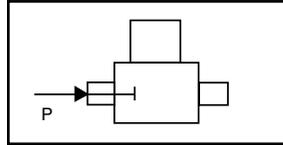
S212 – 3/4" NPT, Brass Body, Normally Open

Valve Selection List

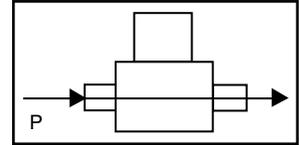
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	Brass Body
3/4	3/4	6.7	3	200	140	200	125	—	—	—	—	295	EPR	11	10	S212GF02C5EG5
	3/4	6.7	3	200	140	200	125	200	125	—	—	180	Nitrile	11	10	S212GF02N5EG5
	3/4	6.7	3	200	140	200	125	200	125	—	—	230	Viton	11	10	S212GF02V5EG5
	3/4	6.7	3	—	—	—	—	—	—	50*	50*	295	EPR	11	10	S212GH02C5EG5

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

Part Numbering

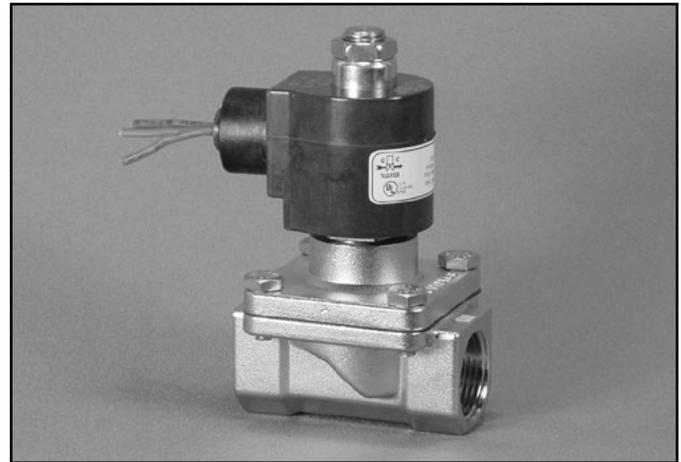
1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	1	2	G	F	0	2	C	5	E	G	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	5: Brass	E: 3/4" NPT	G5: 3/4"	
* 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 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

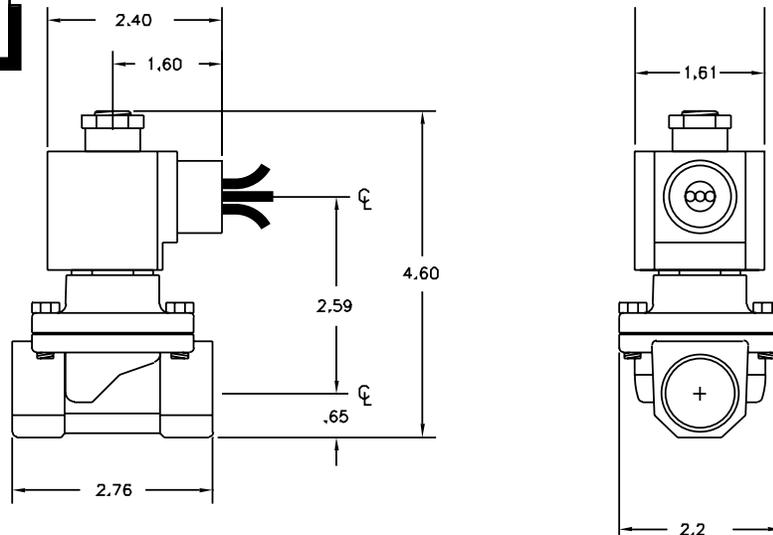
* Not available for all variations

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Dimensions/Weight

Weight (lbs.)

3.3

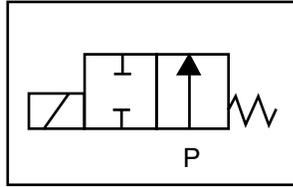




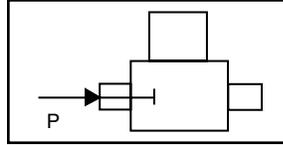
S212 – 3/4" NPT, Stainless Steel Body, Type 316, Normally Open

Valve Selection List

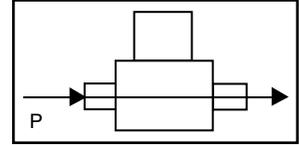
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	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
3/4	3/4	6.7	3	200	140	200	125	—	—	—	—	295	EPR	11	10	S212GF02E7EG5
	3/4	6.7	3	200	140	200	125	200	125	—	—	180	Nitrile	11	10	S212GF02J7EG5
	3/4	6.7	3	200	140	200	125	200	125	—	—	230	Viton	11	10	S212GF02L7EG5
	3/4	6.7	3	—	—	—	—	—	—	50*	50*	295	EPR	11	10	S212GH02E7EG5

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

Part Numbering

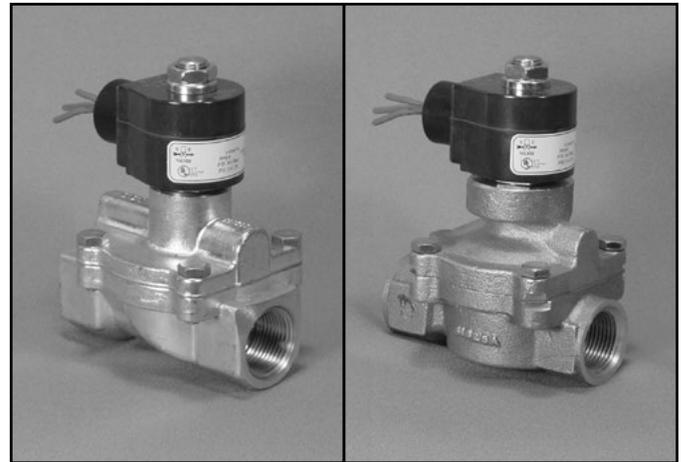
1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	1	2	G	F	0	2	E	7	E	G	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	E: 3/4" NPT	G5: 3/4"	
* 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	46
	Holding	22	25

- High Performance
- 3/4" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Open



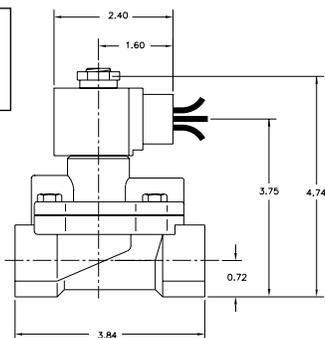
Materials	Seals:	Viton®, Teflon®
	Orifice:	Pilot Main
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 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

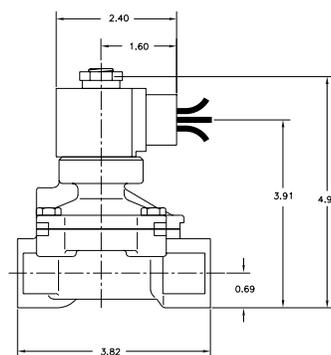
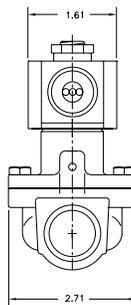
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Dimensions/Weight

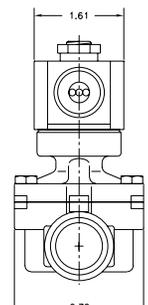
Weight (lbs.)
3.3



Body Code 4



Body Code 2

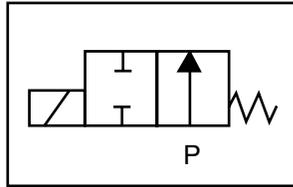




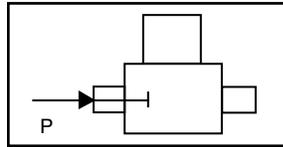
S211 – High Performance, 3/4" NPT, Brass Body, Normally Open

Valve Selection List

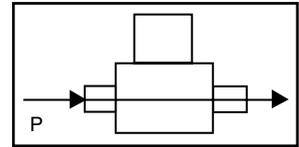
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	
3/4	3/4	6.1	1	150	140	150	140	150	140	—	—	230	Viton	8	9	S212GF02K4EG5
	3/4	6.1	1	—	—	—	—	—	—	100*	100*	338	Teflon	8	9	S212GH02T4EG5
	3/4	7.0	10	—	—	—	—	—	—	150*	140*	366	Teflon	8	9	S212GH02T2EG5

* 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	1	2	G	F	0	2	K	4	E	G	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		K: Viton T: Teflon	4: Forged Brass 2: 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	S3

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

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



Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel 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

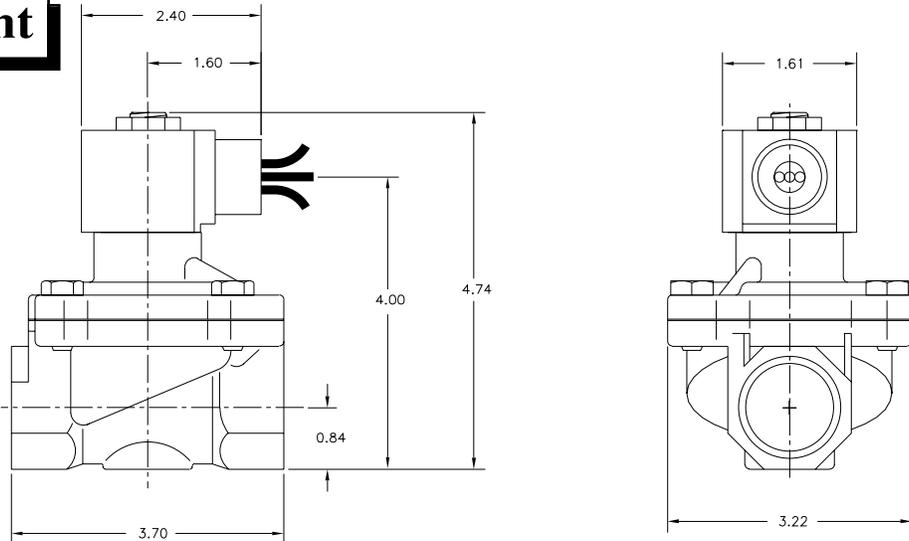
* Not available for all variations

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Dimensions/Weight

Weight (lbs.)

6.4

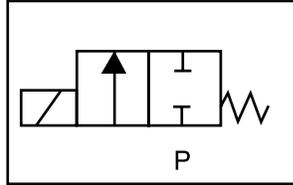




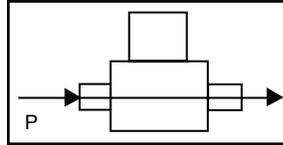
S211 – 1" NPT, Brass Body, Normally Closed

Valve Selection List

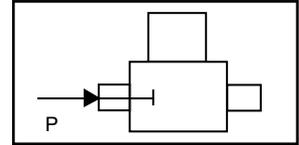
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)	
				Maximum										AC	DC		
				Air/Gas		Water		Light Oil		Steam*							
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC	DC
1	1	13	5	200	150	150	150	—	—	—	—	295	EPR	8	9	S211GF02C5FG9	
	1	13	5	200	150	150	150	100	100	—	—	180	Nitrile	8	9	S211GF02N5FG9	
	1	13	5	200	150	150	150	100	100	—	—	230	Viton	8	9	S211GF02V5FG9	
	1	13	5	—	—	—	—	—	—	50*	50*	295	EPR	8	9	S211GH02C5FG9	

* 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	1	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	
S21			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	S3

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

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



Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel 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

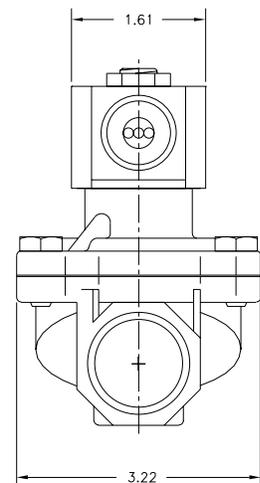
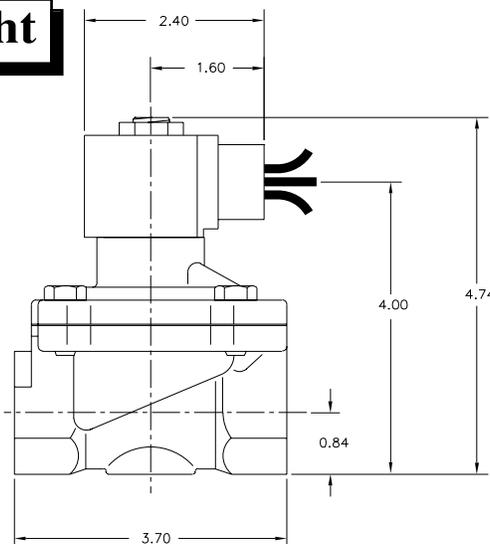
* Not available for all variations

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Dimensions/Weight

Weight (lbs.)

6.4

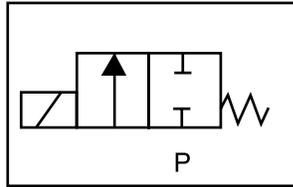




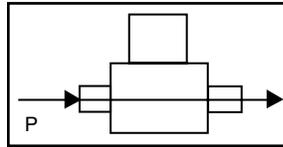
S211 – 1" NPT, Stainless Steel Body Type 316, Normally Closed

Valve Selection List

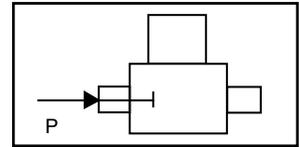
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	
1	1	13	5	200	150	150	150	—	—	—	—	295	EPR	8	9	S211GF02E7FG9
	1	13	5	200	150	150	150	100	100	—	—	180	Nitrile	8	9	S211GF02J7FG9
	1	13	5	200	150	150	150	100	100	—	—	230	Viton	8	9	S211GF02L7FG9
	1	13	5	—	—	—	—	—	—	50*	50*	295	EPR	8	9	S211GH02E7FG9

* 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	1	1	G	F	0	2	E	7	F	G	9
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			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	S3

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

- High Performance
- 1" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Closed



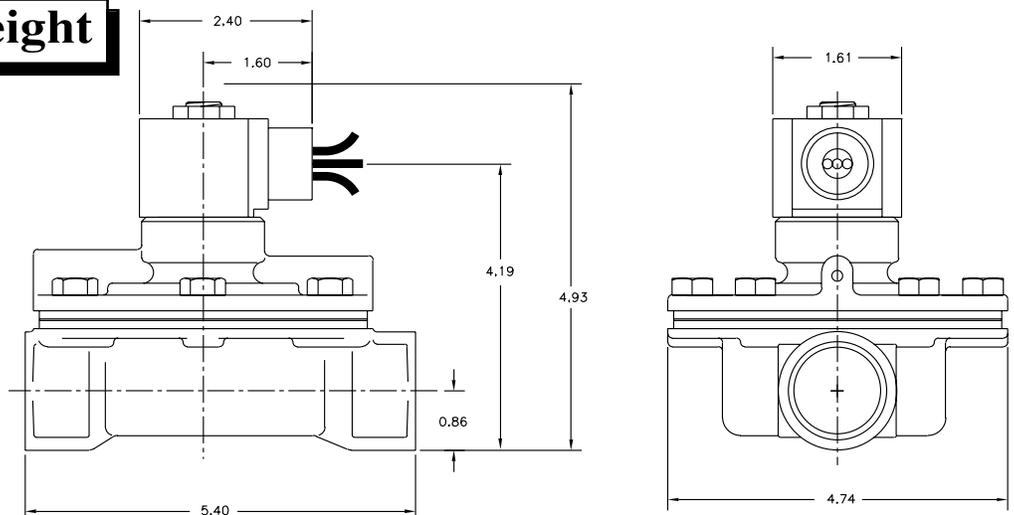
Materials	Seals:	Nitrile®, Teflon®
	Orifice: Pilot Main	Stainless Steel Brass Ø 1" - #4 Body; Stainless Steel Ø 1" - #2" Body
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single 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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
6.4

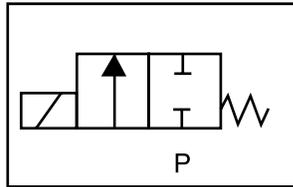




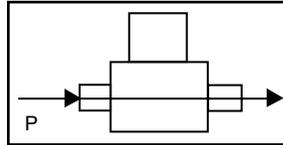
S211 – High Performance, 1" NPT, Brass Body, Normally Closed

Valve Selection List

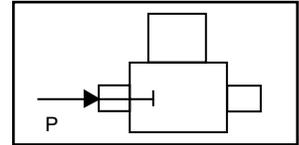
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	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	Brass Body	
1	1	13	10	250	150	250	150	250	150	—	—	180	Nitrile	8	9	S211GF02N4FG9
	1	13	10	—	—	—	—	—	—	150*	150*	366	Teflon	8	9	S211GH02T2FG9

* 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	1	1	G	F	0	2	N	4	F	G	9
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	4: Brass 2: Brass	F: 1" NPT	G9: 1"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

- High Performance
- 1" NPT
- Stainless Steel Body
Type 316
- 2-Way Piloted
Diaphragm
- Normally Closed



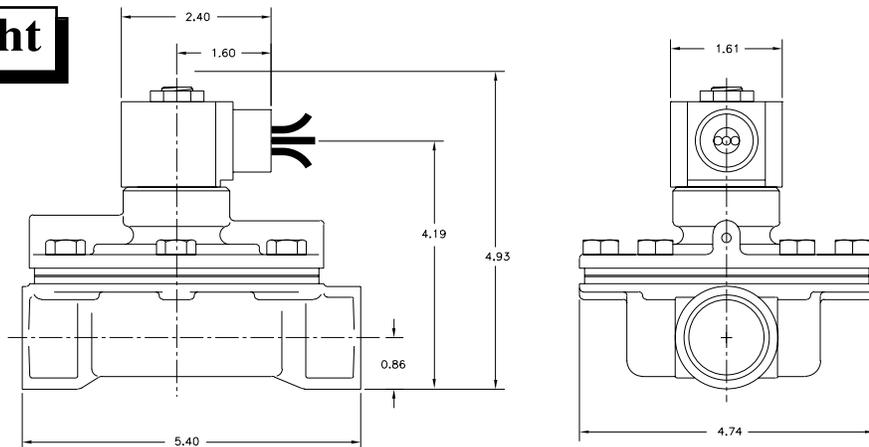
Materials	Seals:	Nitrile, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact 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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
6.4

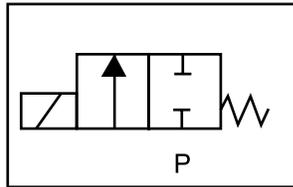




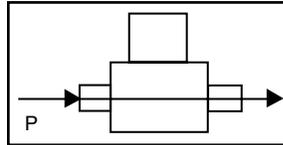
S211 – High Performance, 1" NPT, Stainless Steel Body- Type 316, Normally Closed

Valve Selection List

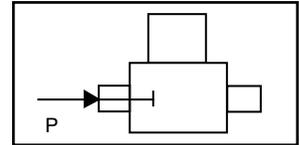
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						Stainless Steel Body Type 316
AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC					
1	1	13	10	250	150	250	150	250	150	—	—	180	Nitrile	8	9	S211GF02N1FG9
	1	13	10	—	—	—	—	—	—	150*	150*	366	Teflon	8	9	S211GH02T1FG9

* 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	1	1	G	F	0	2	N	1	F	G	9
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	1: Stainless Steel	F: 1" NPT	G9: 1"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

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



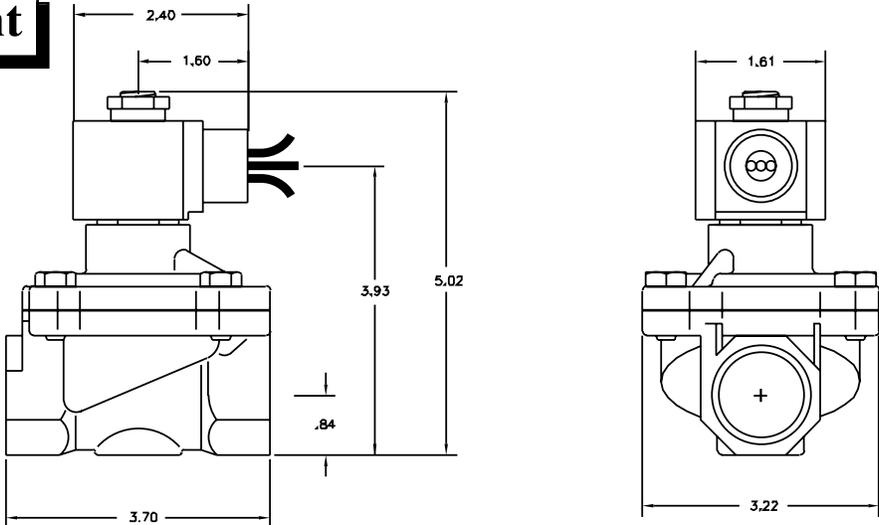
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 1"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts),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

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
6.4

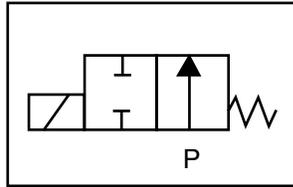




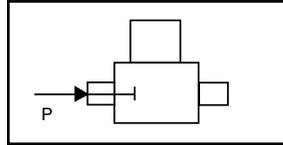
S212 – 1" NPT, Brass Body, Normally Open

Valve Selection List

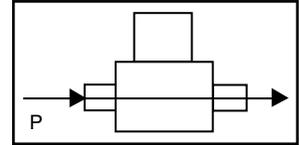
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)	
			Maximum										AC	DC		
			Air/Gas		Water		Light Oil		Steam*						Brass Body	
			AC	DC	AC	DC	AC	DC	AC	DC						
1	1	13	5	200	140	150	140	—	—	—	—	295	EPR	9	9	S212GF02C5FG9
	1	13	5	200	140	150	140	100	100	—	—	180	Nitrile	9	9	S212GF02N5FG9
	1	13	5	200	140	150	140	100	100	—	—	230	Viton	9	9	S212GF02V5FG9
	1	13	5	—	—	—	—	—	—	50*	50*	295	EPR	9	9	S212GH02C5FG9

* 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	1	2	G	F	0	2	C	5	F	G	9
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	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	S3

Frequency (Hz)	60	50
Nominal Power (VA)		
Inrush	36	36
Holding	18	22

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



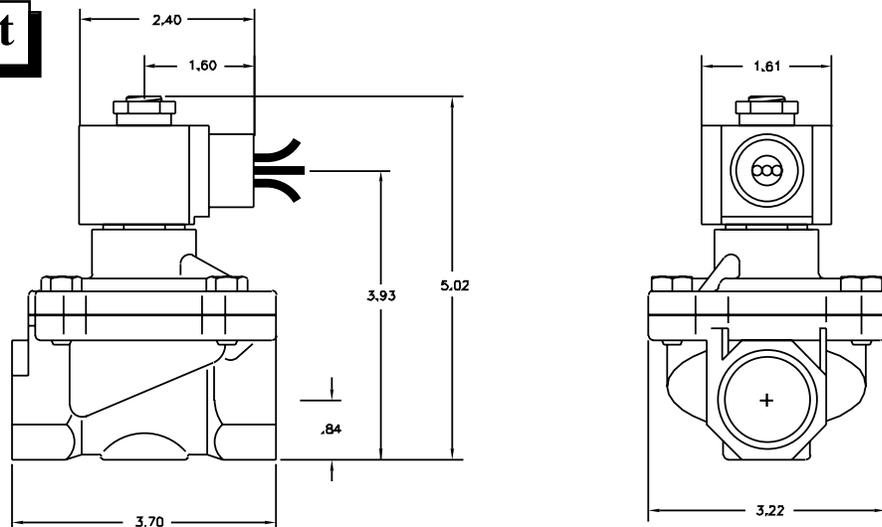
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Stainless Steel Ø 1"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), 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

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
6.4

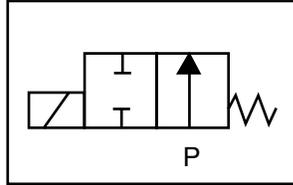




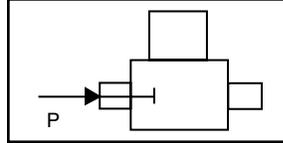
S212 – 1" NPT, Stainless Steel Body, Type 316, Normally Open

Valve Selection List

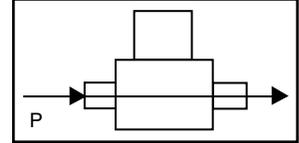
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)	
			Maximum										AC	DC		
			Air/Gas		Water		Light Oil		Steam*							
			AC	DC	AC	DC	AC	DC	AC	DC			AC	DC		
1	1	13	5	200	150	150	150	—	—	—	—	295	EPR	9	9	S212GF02E7FG9
	1	13	5	200	150	150	150	85	85	—	—	180	Nitrile	9	9	S212GF02J7FG9
	1	13	5	200	150	150	150	85	85	—	—	230	Viton	9	9	S212GF02L7FG9
	1	13	5	—	—	—	—	—	—	50*	50*	295	EPR	9	9	S212GH02E7FG9

* 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	1	2	G	F	0	2	E	7	F	G	9
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			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	F: 1" NPT	G9: 1"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
ALL	S3

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

- High Performance
- 1" NPT
- Stainless Steel Body
Type 316
- 2-Way Piloted
Diaphragm
- Normally Open



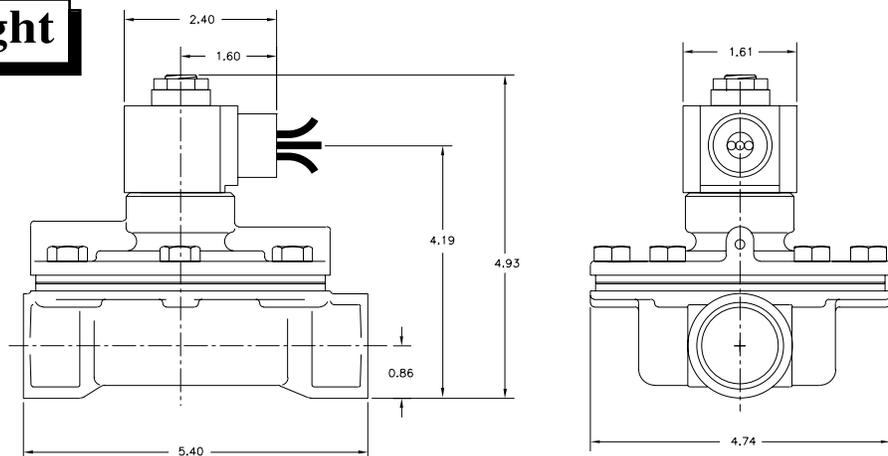
Materials	Seals:	Nitrile, Teflon®
	Orifice:	Pilot Main
		Stainless Steel Stainless Steel Ø 1"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact 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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
6.4

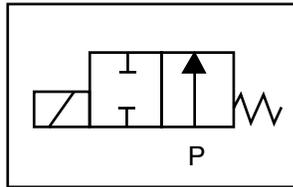




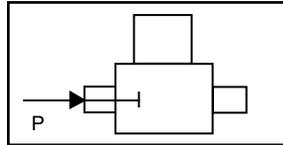
S212 – High Performance, 1" NPT, Stainless Steel Body- Type 316, Normally Open

Valve Selection List

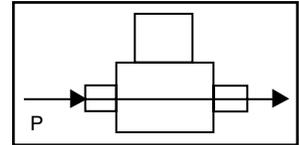
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						AC
AC	DC	AC	DC	AC	DC	AC	DC	AC	DC							
1	1/2	3.3	1	200	140	200	140	200	140	—	—	230	Nitrile	8	9	S212GF02N1FG9
	1/2	3.3	10	—	—	—	—	—	—	100*	100*	366	Teflon	8	9	S212GH02T1FG9

* 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	1	2	G	F	0	2	N	1	F	G	9
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	1: Stainless Steel	F: 1" NPT	G9: 1"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	36	36
	Holding	18	22



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



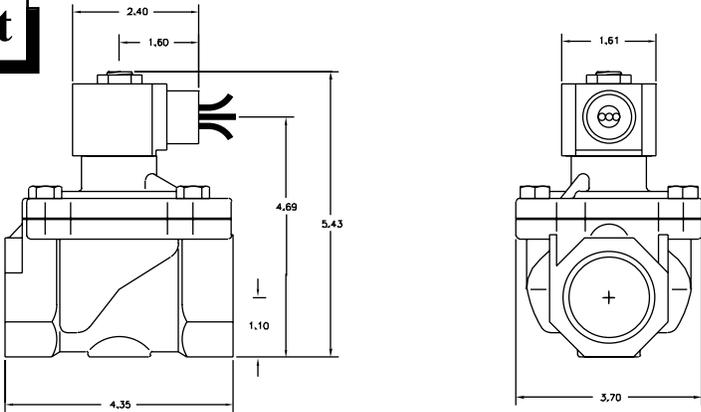
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 1 1/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts),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

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
10.5

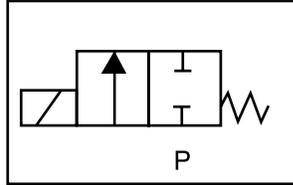




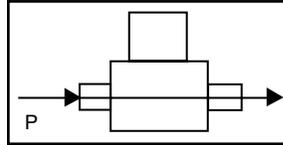
S211 – 1 1/4" NPT, Brass Body, Normally Closed

Valve Selection List

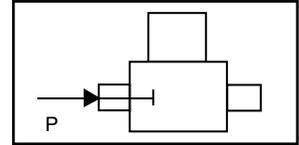
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	
1 1/4	1 1/4	19	5	200	150	150	150	—	—	—	—	295	EPR	8	9	S211GF02C5GJ2
	1 1/4	19	5	200	150	150	150	100	100	—	—	180	Nitrile	8	9	S211GF02N5GJ2
	1 1/4	19	5	200	150	150	150	100	100	—	—	230	Viton	8	9	S211GF02V5GJ2
	1 1/4	19	5	—	—	—	—	—	—	50*	50*	295	EPR	8	9	S211GH02C5GJ2

* 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	1	1	G	F	0	2	C	5	G	J	2
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			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	S3

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

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



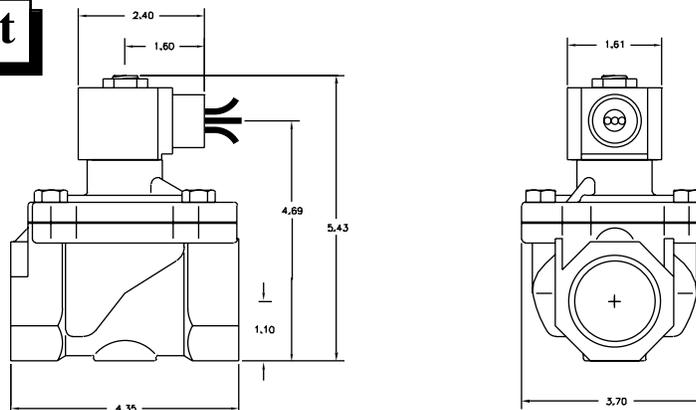
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Stainless Steel Ø 1 1/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual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

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
10.5

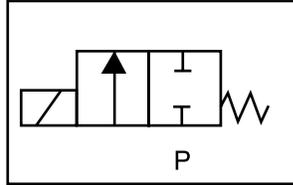




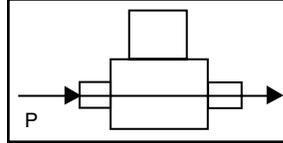
S211 – 1 1/4" NPT, Stainless Steel Body, Type 316, Normally Closed

Valve Selection List

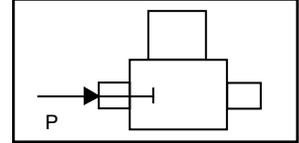
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
1 1/4	1 1/4	19	10	200	150	150	150	—	—	—	—	295	EPR	8	9	S211GF02E7GJ2
	1 1/4	19	5	200	150	150	150	85	85	—	—	180	Nitrile	8	9	S211GF02J7GJ2
	1 1/4	19	10	200	150	150	150	85	85	—	—	230	Viton	8	9	S211GF02L7GJ2
	1 1/4	19	5	—	—	—	—	—	—	50*	50*	295	EPR	8	9	S211GH02E7GJ2

* 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	1	1	G	F	0	2	E	7	G	J	2
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			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	S3

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



- High Performance
- 1 1/4" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Closed



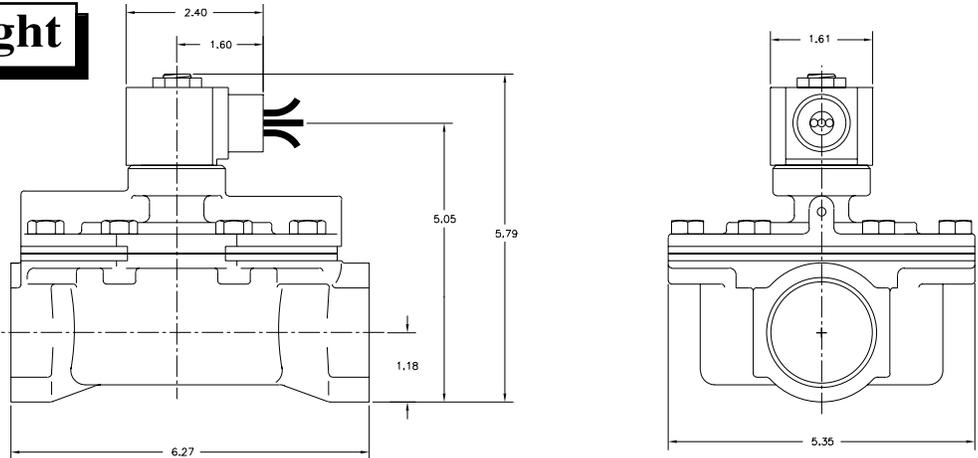
Materials	Seals:	Nitrile®, Teflon®
	Orifice:	Pilot Main
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

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Dimensions/Weight

Weight (lbs.)
10.5

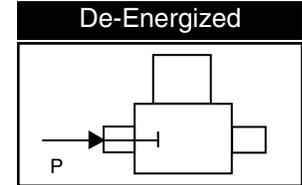
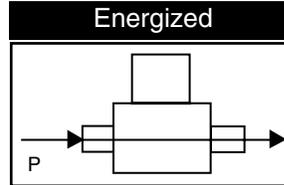
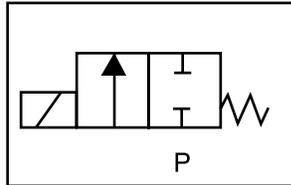




S211 – High Performance, 1 1/4" NPT, Brass Body, Normally Closed

Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
1 1/4	1 1/2	22	10	250	150	250	150	250	150	—	—	180	Nitrile	8	9	S211GF02N4GJ5
	1 1/2	22	10	—	—	—	—	—	—	150*	150*	366	Teflon	8	9	S211GH02T2GJ5

* 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	1	1	G	F	0	2	N	4	G	J	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	4: Brass 2: Brass	G: 1 1/4" NPT	J5: 1 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

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



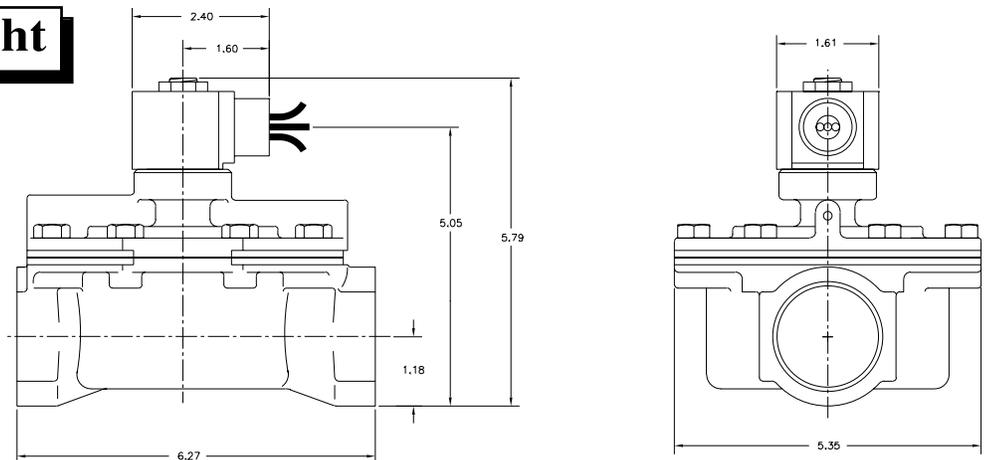
Materials	Seals:	Nitrile, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1 1/2"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact 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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
10.5

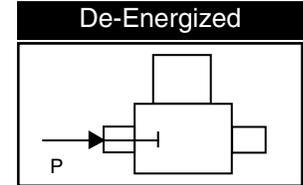
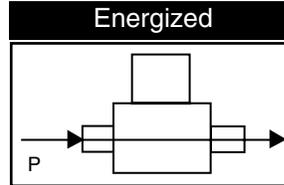
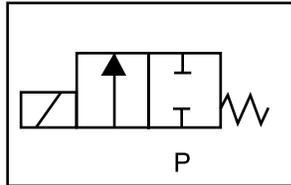




S211 – High Performance, 1 1/4" NPT, Stainless Steel Body- Type 316, Normally Closed

Valve Selection List

Normally Closed



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
1 1/4	1 1/2	22	10	250	150	250	150	250	150	—	—	180	Nitrile	8	9	S211GF02N1GJ5
	1 1/2	22	10	—	—	—	—	—	—	—	150*	150*	366	Teflon	8	9

* 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	1	1	G	F	0	2	N	1	G	J	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	1: Stainless Steel	G: 1 1/4" NPT	J5: 1 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

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



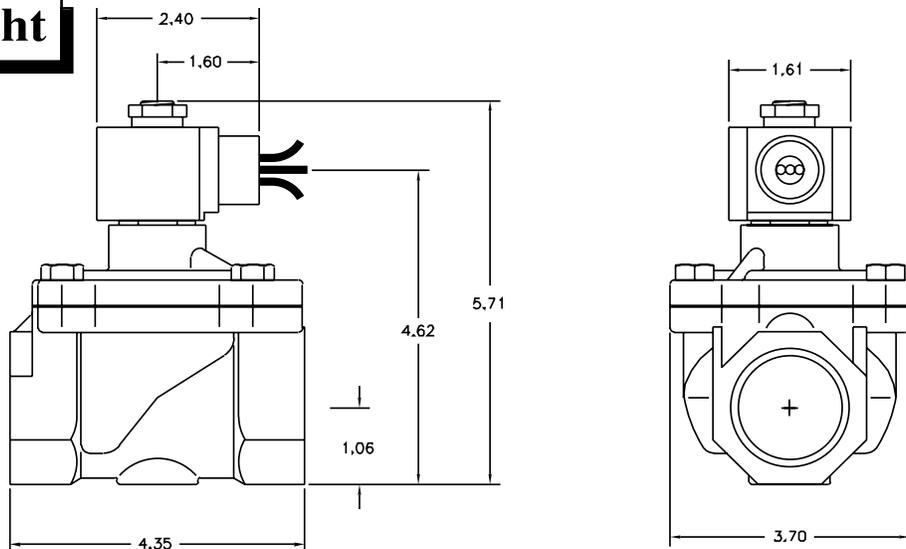
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 1 1/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts),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

Weight (lbs.)
10.5

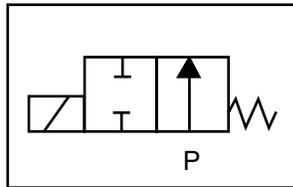




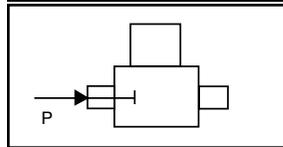
S212 – 1 1/4" NPT, Brass Body, Normally Open

Valve Selection List

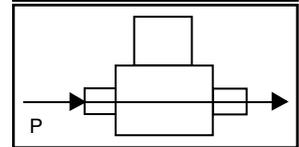
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)	
			Maximum										AC	DC		
			Air/Gas		Water		Light Oil		Steam*							
			AC	DC	AC	DC	AC	DC	AC	DC			AC	DC		
1 1/4	1 1/4	19	5	200	140	140	140	—	—	—	—	295	EPR	9	9	S212GF02C5GJ2
	1 1/4	19	5	200	140	140	140	85	85	—	—	180	Nitrile	9	9	S212GF02N5GJ2
	1 1/4	19	5	200	140	140	140	85	85	—	—	230	Viton	9	9	S212GF02V5GJ2
	1 1/4	19	5	—	—	—	—	—	—	50*	50*	295	EPR	9	9	S212GH02C5GJ2

* 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	1	2	G	F	0	2	C	5	G	J	2
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	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	S3

Frequency (Hz)	60	50
Nominal Power (VA)		
Inrush	36	36
Holding	18	22



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



Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel 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

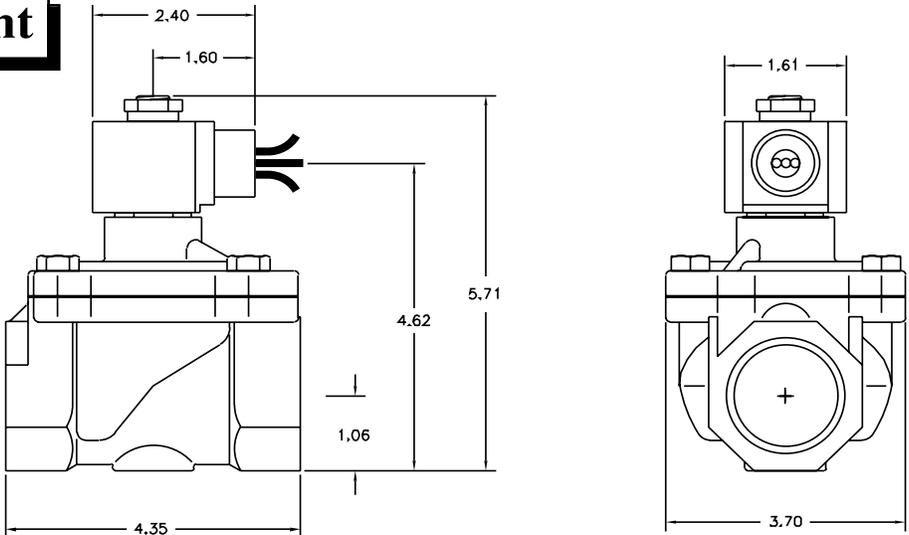
* Not available for all variations

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Dimensions/Weight

Weight (lbs.)

10.5

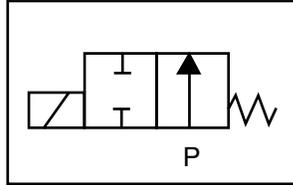




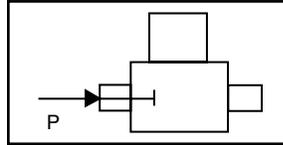
S212 – 1 1/4" NPT, Stainless Steel Body, Type 316, Normally Open

Valve Selection List

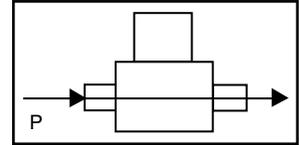
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown	
			Maximum										AC	DC		
			Air/Gas		Water		Light Oil		Steam*							
			AC	DC	AC	DC	AC	DC	AC	DC			AC	DC		
1 1/4	1 1/4	19	5	200	150	150	150	85	85	—	—	295	EPR	9	9	S212GF02E7GJ2
	1 1/4	19	5	200	150	150	150	85	85	—	—	180	Nitrile	9	9	S212GF02J7GJ2
	1 1/4	19	5	200	150	150	150	85	85	—	—	230	Viton	9	9	S212GF02L7GJ2
	1 1/4	19	5	—	—	—	—	—	—	50*	50*	295	EPR	9	9	S212GH02E7GJ2

* 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	1	2	G	F	0	2	E	7	G	J	2
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			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	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	S3

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

- High Performance
- 1 1/4" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Open



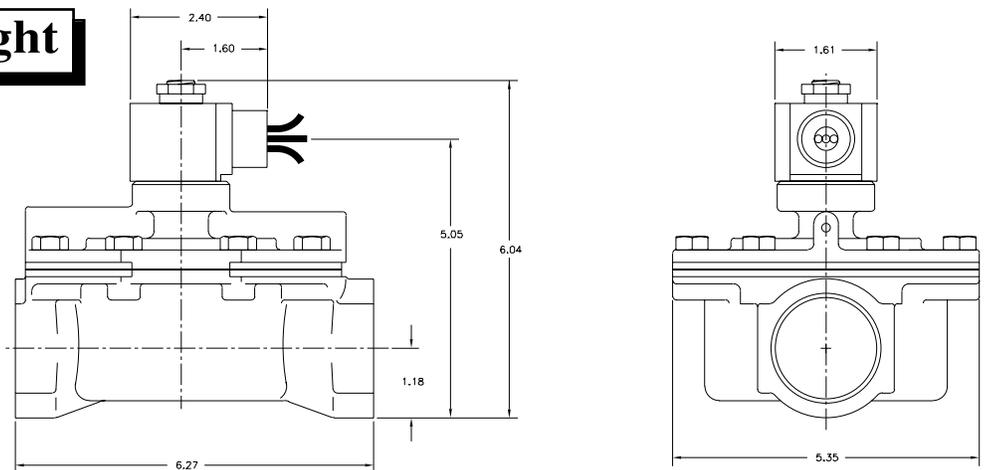
Materials	Seals:	Nitrile, Teflon®
	Orifice: Pilot Main	Stainless Steel Brass Ø 1 1/2" - #4 Body; Stainless Steel Ø 1 1/2" - #2 Body
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

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Dimensions/Weight

Weight (lbs.)
10.5

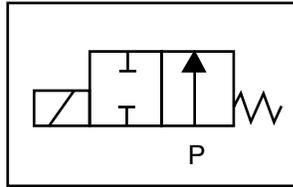




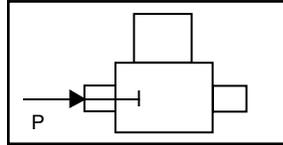
S211 – High Performance, 1 1/4" NPT, Brass Body, Normally Open

Valve Selection List

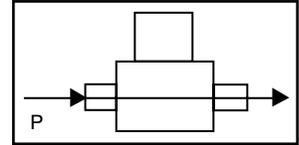
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)	
			Maximum										AC	DC		
			Air/Gas		Water		Light Oil		Steam*						Brass Body	
			AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC	DC
1 1/4	1 1/2	22	10	200	140	200	140	200	140	—	—	180	Nitrile	8	9	S212GF02N4GJ5
	1 1/2	22	10	—	—	—	—	—	—	100*	100*	366	Teflon	8	9	S212GH02T2GJ5

* 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	1	2	G	F	0	2	N	4	G	J	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	4: Forged Brass 2: Brass	G: 1 1/4" NPT	J5: 1 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

- High Performance
- 1 1/4" NPT
- Stainless Steel Body
Type 316
- 2-Way Piloted
Diaphragm
- Normally Open



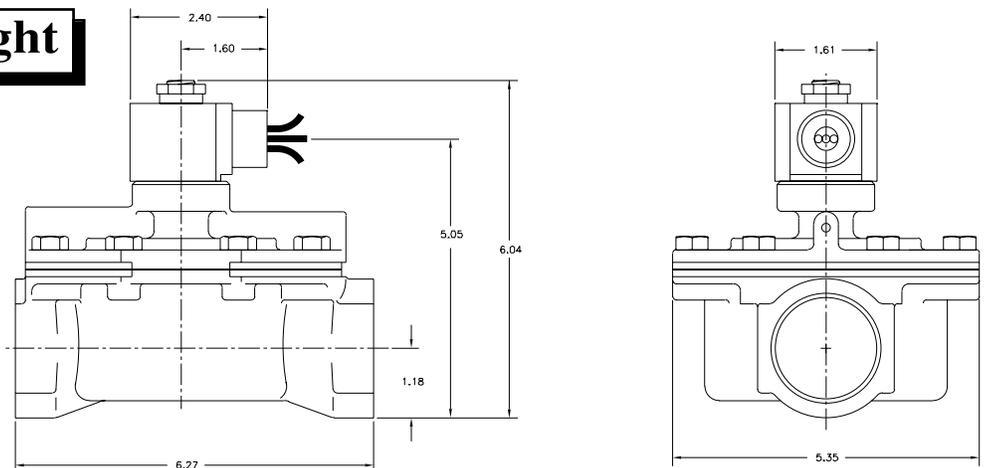
Materials	Seals:	Nitrile, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1 1/2"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact 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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
10.5

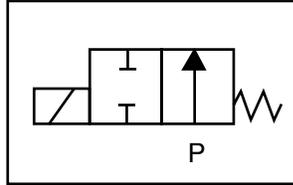




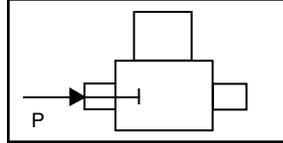
S212 – High Performance, 1 1/4" NPT, Stainless Steel Body-Type 316, Normally Open

Valve Selection List

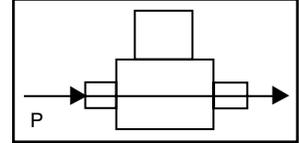
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
1 1/4	1 1/2	22	10	200	140	200	140	200	140	—	—	180	Nitrile	8	9	S212GF02N1GJ5
	1 1/2	22	10	—	—	—	—	—	—	100*	100*	366	Teflon	8	9	S212GH02T1GJ5

* 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	1	2	G	F	0	2	N	1	G	J	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	1: Stainless Steel	G: 1 1/4" NPT	J5: 1 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

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



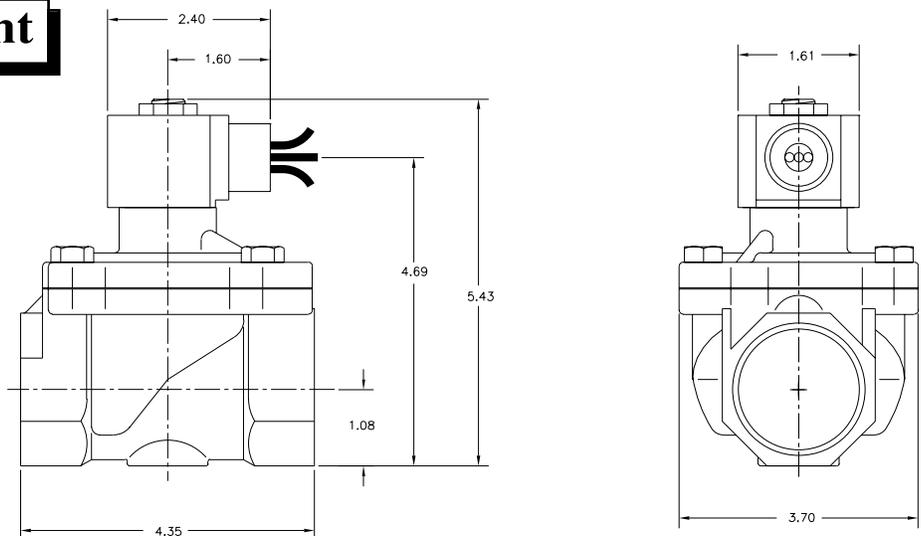
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 1 1/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts),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

Weight (lbs.)
10.5

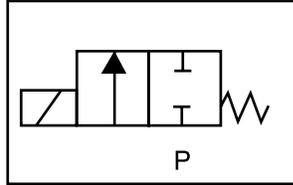




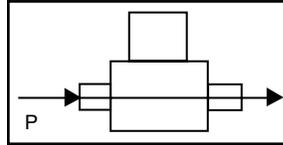
S211 – 1 1/2" NPT, Brass Body, Normally Closed

Valve Selection List

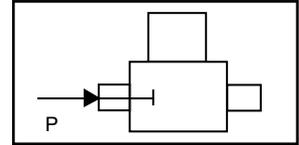
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)	
			Maximum										AC	DC		
			Air/Gas		Water		Light Oil		Steam*						Brass Body	
			AC	DC	AC	DC	AC	DC	AC	DC						
1 1/2	1 1/4	25	5	200	150	150	150	—	—	—	—	295	EPR	8	9	S211GF02C5HJ2
	1 1/4	25	5	200	150	150	150	85	85	—	—	180	Nitrile	8	9	S211GF02N5HJ2
	1 1/4	25	5	200	150	150	150	85	85	—	—	230	Viton	8	9	S211GF02V5HJ2
	1 1/4	25	5	—	—	—	—	—	—	50*	50*	295	EPR	8	9	S211GH02C5HJ2

* 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	1	1	G	F	0	2	C	5	H	J	2
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			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	S3

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

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



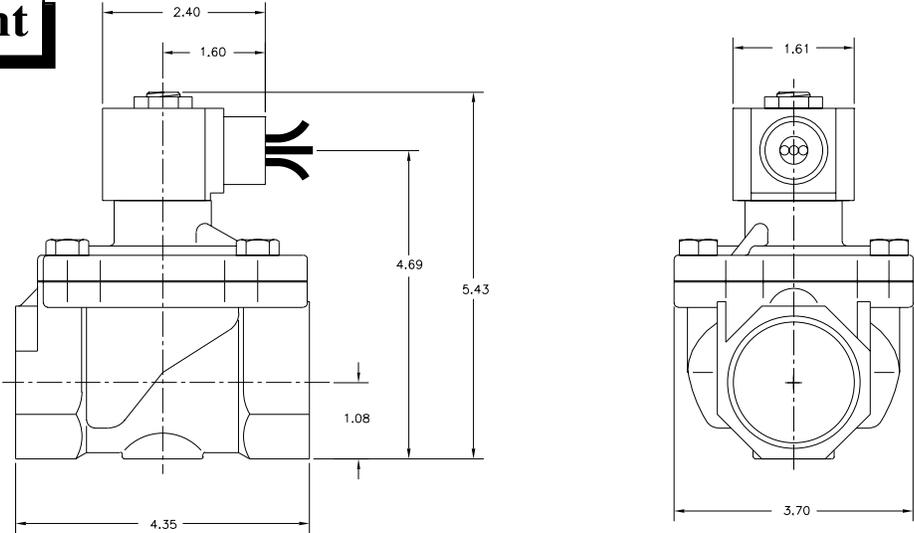
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Stainless Steel Ø 1 1/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual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

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
10.5

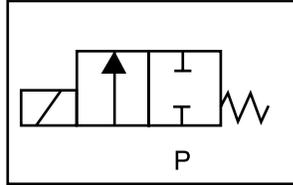




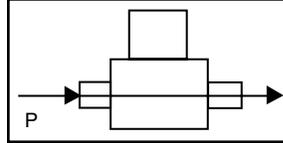
S211 – 1 1/2" NPT, Stainless Steel Body, Type 316, Normally Closed

Valve Selection List

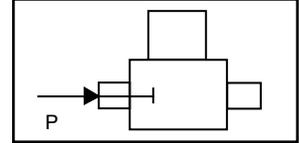
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	
1 1/2	1 1/4	25	5	200	150	150	150	—	—	—	—	295	EPR	8	9	S211GF02E7HJ2
	1 1/4	25	5	200	150	150	150	85	85	—	—	180	Nitrile	8	9	S211GF02J7HJ2
	1 1/4	25	5	200	150	150	150	85	85	—	—	230	Viton	8	9	S211GF02L7HJ2
	1 1/4	25	5	—	—	—	—	—	—	50*	50*	295	EPR	8	9	S211GH02E7HJ2

* 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	1	1	G	F	0	2	E	7	H	J	2
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			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	S3

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

- High Performance
- 1 1/2" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Closed



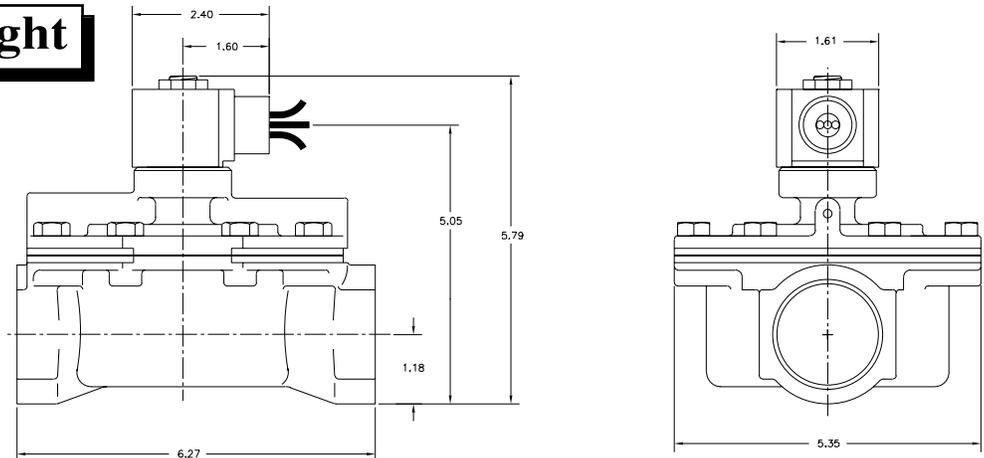
Materials	Seals:	Nitrile®, Teflon®
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 1 1/2" - #4 Body; Stainless Steel Ø 1 1/2" - #2" Body
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction 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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
10.5

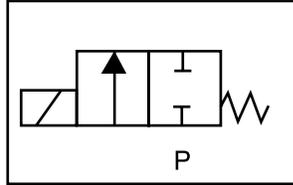




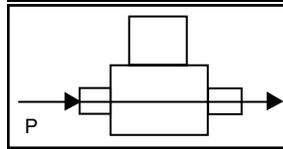
S211 – High Performance, 1 1/2" NPT, Brass Body, Normally Closed

Valve Selection List

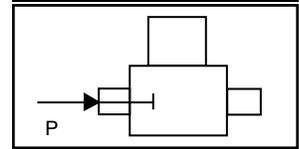
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)	
			Maximum										AC	DC		
			Air/Gas		Water		Light Oil		Steam*						Brass Body	
			AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC	DC
1 1/2	1 1/2	28	10	250	150	250	150	250	150	—	—	180	Nitrile	8	9	S211GF02N4HJ5
	1 1/2	28	10	—	—	—	—	—	—	150*	150*	366	Teflon	8	9	S211GH02T2HJ5

* 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	1	1	G	F	0	2	N	4	H	J	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	4: Brass 2: Brass	H: 1 1/2" NPT	J5: 1 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

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



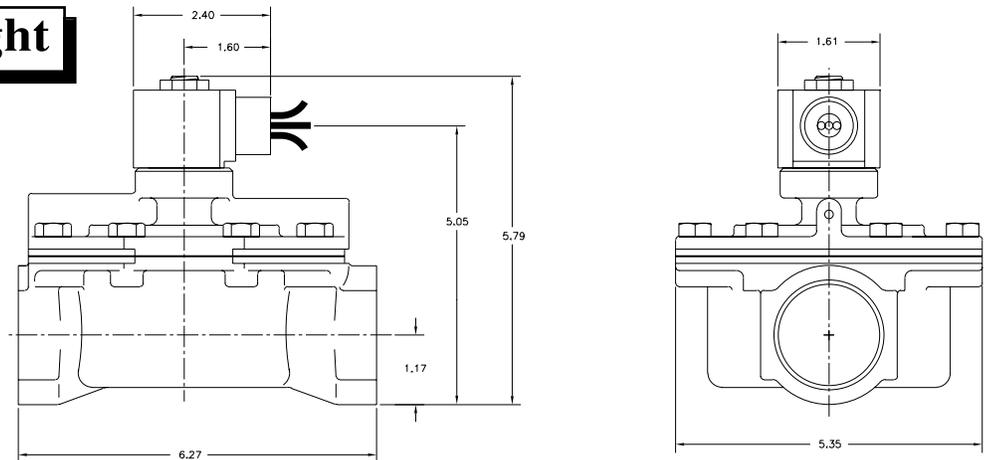
Materials	Seals:	Nitrile, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1 1/2"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact 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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
10.5

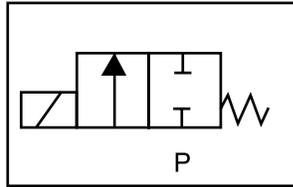




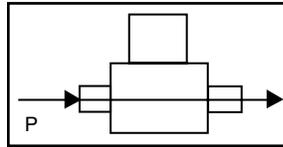
S211 – High Performance, 1 1/2" NPT, Stainless Steel Body- Type 316, Normally Closed

Valve Selection List

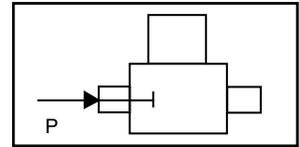
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	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*						Stainless Steel Body Type 316	
			AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC	DC
1 1/2	1 1/2	28	10	250	150	250	150	250	150	—	—	180	Nitrile	8	9	S211GF02N1HJ5
	1 1/2	28	10	—	—	—	—	—	—	150*	150*	366	Teflon	8	9	S211GH02T1HJ5

* 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	1	1	G	F	0	2	N	1	H	J	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	1: Stainless Steel	H: 1 1/2" NPT	J5: 1 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

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



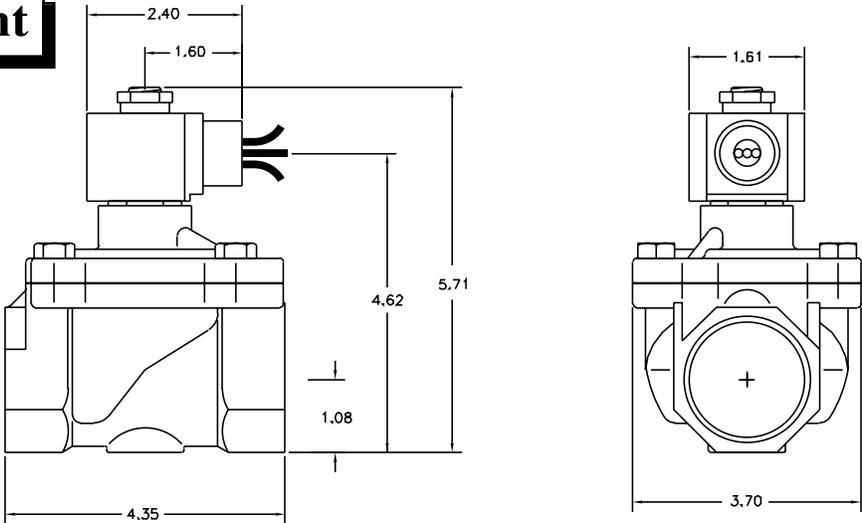
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 1 1/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts),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

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
10.5

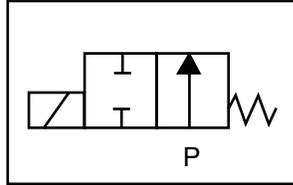




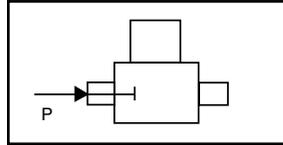
S212 – 1 1/2" NPT, Brass Body, Normally Open

Valve Selection List

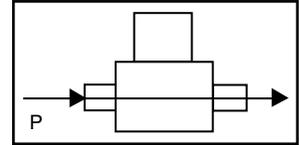
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC
1 1/2	1 1/4	25	3	200	140	140	140	—	—	—	—	295	EPR	9	9	S212GF02C5HJ2
	1 1/4	25	3	200	140	140	140	85	85	—	—	180	Nitrile	9	9	S212GF02N5HJ2
	1 1/4	25	3	200	140	140	140	85	85	—	—	230	Viton	9	9	S212GF02V5HJ2
	1 1/4	25	3	—	—	—	—	—	—	50*	50*	295	EPR	9	9	S212GH02C5HJ2

* 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	1	2	G	F	0	2	C	5	H	J	2
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	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	S3

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	36	36
	Holding	18	22

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



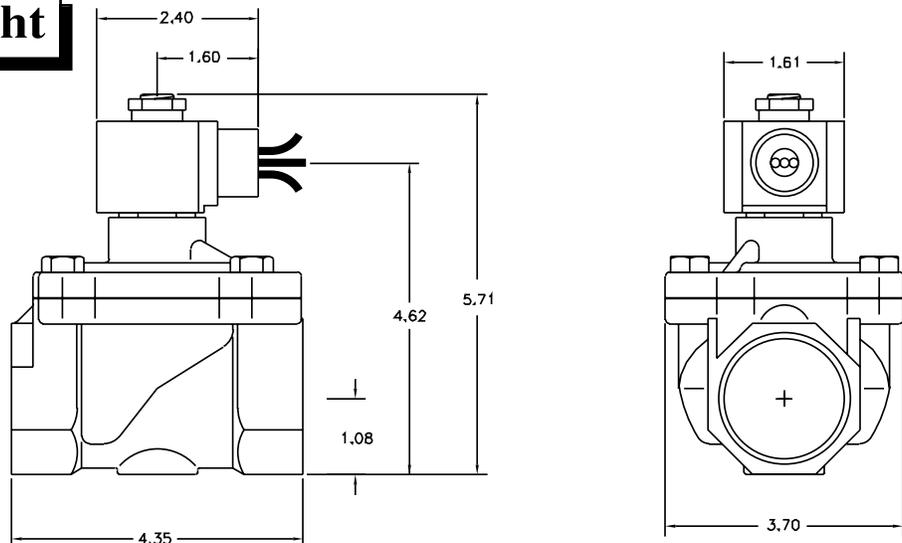
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1 1/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual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

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
10.5

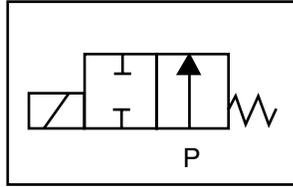




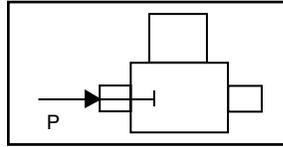
S212 – 1 1/2" NPT, Stainless Steel Body, Type 316, Normally Open

Valve Selection List

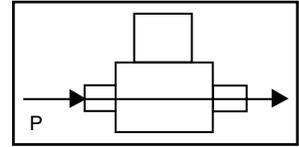
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)	
			Maximum										AC	DC		
			Air/Gas		Water		Light Oil		Steam*							
			AC	DC	AC	DC	AC	DC	AC	DC					Stainless Steel Body Type 316	
1 1/2	1 1/4	25	5	200	150	150	150	—	—	—	—	295	EPR	9	9	S212GF02E7HJ2
	1 1/4	25	5	200	150	150	150	85	85	—	—	180	Nitrile	9	9	S212GF02J7HJ2
	1 1/4	25	5	200	150	150	150	85	85	—	—	230	Viton	9	9	S212GF02L7HJ2
	1 1/4	25	5	—	—	—	—	—	—	50*	50*	295	EPR	9	9	S212GH02E7HJ2

* 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	1	2	G	F	0	2	E	7	H	J	2
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			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	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	S3

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

- High Performance
- 1 1/2" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Open



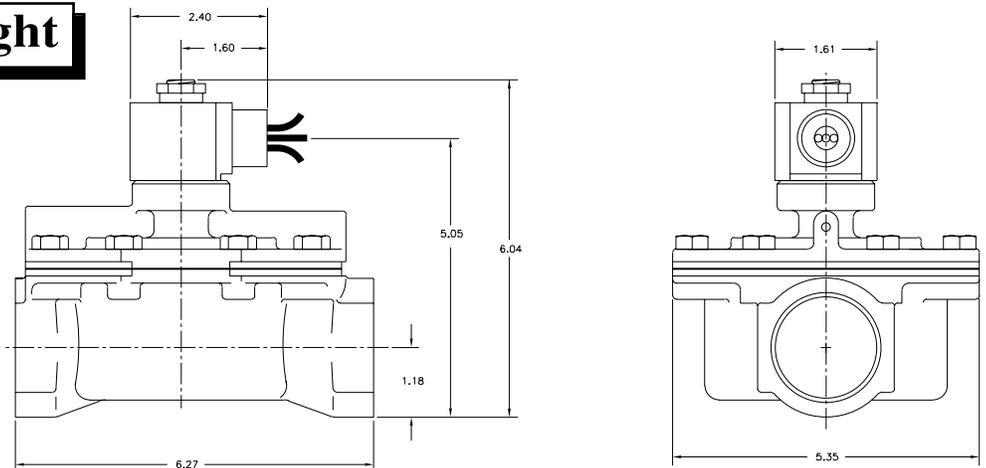
Materials	Seals:	Nitrile, Teflon®
	Orifice: Pilot Main	Stainless Steel Brass Ø 1 1/2" - #4 Body; Stainless Steel Ø 1 1/2" - #2 Body
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
10.5

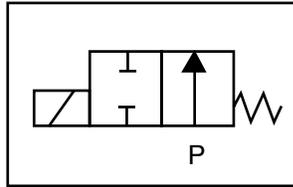




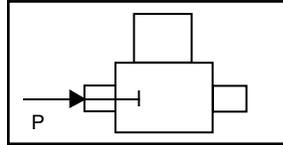
S211 – High Performance, 1 1/2" NPT, Brass Body, Normally Open

Valve Selection List

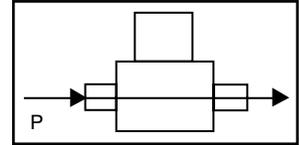
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	
1 1/2	1 1/2	28	10	200	140	200	140	200	140	—	—	180	Nitrile	8	9	S212GF02N4HJ5
	1 1/2	28	10	—	—	—	—	—	—	100*	100*	366	Teflon	8	9	S212GH02T2HJ5

* 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	1	2	G	F	0	2	N	4	H	J	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	4: Forged Brass 2: Brass	H: 1 1/2" NPT	J5: 1 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

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



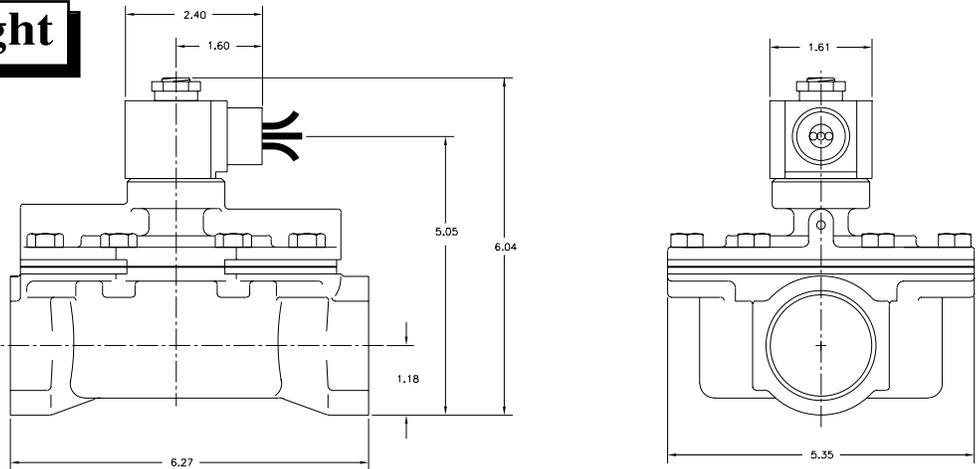
Materials	Seals:	Nitrile, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1 1/2"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact 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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
10.5

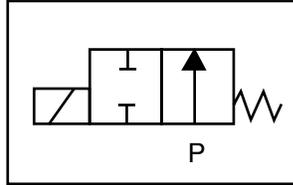




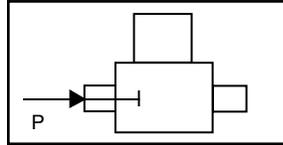
S212 – High Performance, 1 1/2" NPT, Stainless Steel Body-Type 316, Normally Open

Valve Selection List

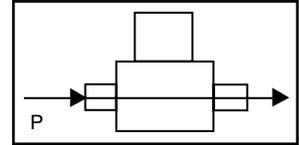
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	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*						Stainless Steel Body Type 316	
			AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC	DC
1 1/2	1 1/2	28	10	200	140	200	140	200	140	—	—	180	Nitrile	8	9	S212GF02N1HJ5
	1 1/2	28	10	—	—	—	—	—	—	100*	100*	366	Teflon	8	9	S212GH02T1HJ5

* 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	1	2	G	F	0	2	N	1	H	J	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	1: Stainless Steel	H: 1 1/2" NPT	J5: 1 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

- 2" NPT
- Brass Body
- 2-Way 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

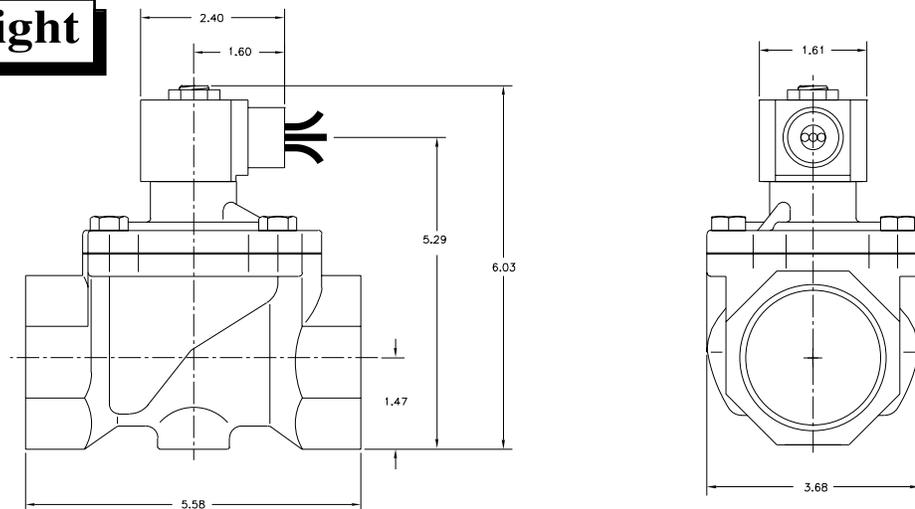
* Not available for all variations

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)

13.5

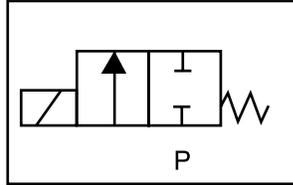




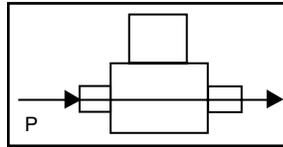
S211 – 2" NPT, Brass Body, Normally Closed

Valve Selection List

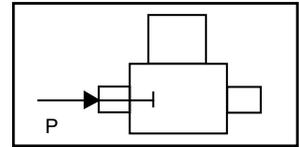
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)	
			Maximum										AC	DC		
			Air/Gas		Water		Light Oil		Steam*						Brass Body	
			AC	DC	AC	DC	AC	DC	AC	DC						
2	1 1/4	28	5	200	150	150	150	—	—	—	—	295	EPR	8	9	S211GF02C5JJ2
	1 1/4	28	5	200	150	150	150	85	85	—	—	180	Nitrile	8	9	S211GF02N5JJ2
	1 1/4	28	5	200	150	150	150	85	85	—	—	230	Viton	8	9	S211GF02V5JJ2
	1 1/4	28	5	—	—	—	—	—	—	50*	50*	295	EPR	8	9	S211GH02C5JJ2

* 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	1	1	G	F	0	2	C	5	J	J	2
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: 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	S3

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



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



Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel 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

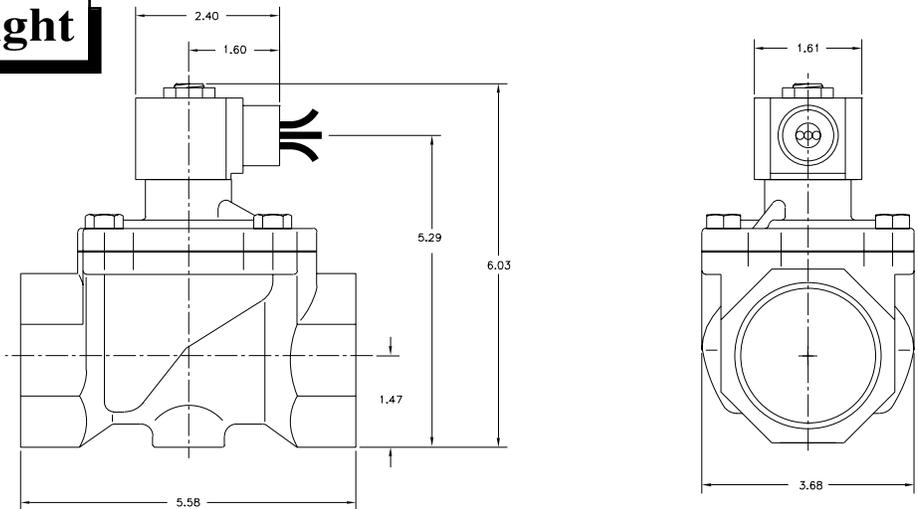
* Not available for all variations

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)

13.5

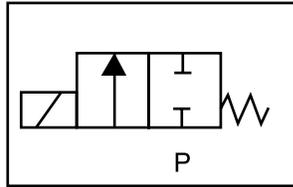




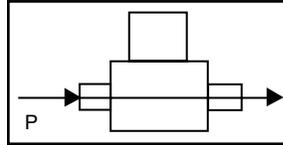
S211 – 2" NPT, Stainless Steel Body, Type 316, Normally Closed

Valve Selection List

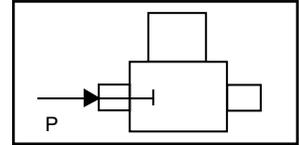
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
2	1 1/4	28	5	200	150	150	150	—	—	—	—	295	EPR	8	9	S211GF02E7JJ2
	1 1/4	28	5	200	150	150	150	85	85	—	—	180	Nitrile	8	9	S211GF02J7JJ2
	1 1/4	28	5	200	150	150	150	85	85	—	—	230	Viton	8	9	S211GF02L7JJ2
	1 1/4	28	5	—	—	—	—	—	—	50*	50*	295	EPR	8	9	S211GH02E7JJ2

* 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	1	1	G	F	0	2	E	7	J	J	2
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			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	J: 2" NPT	J2: 1 1/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
ALL	S3

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

- High Performance
- 2" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Closed



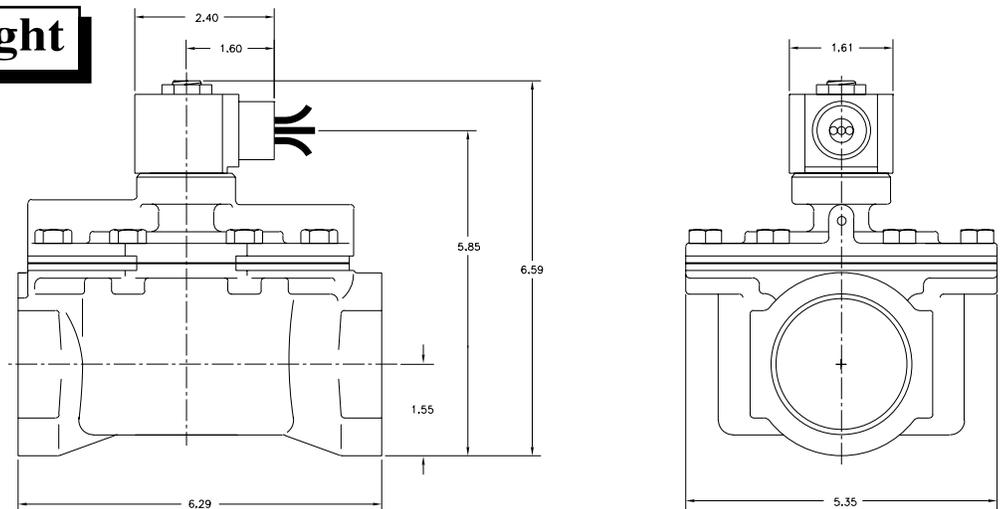
Materials	Seals:	Nitrile®, Teflon®
	Orifice: Pilot Main	Stainless Steel Brass Ø 1 1/2" - #4 Body; Stainless Steel Ø 1 1/2" - #2 Body
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
10.5

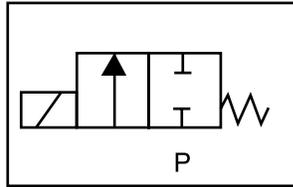




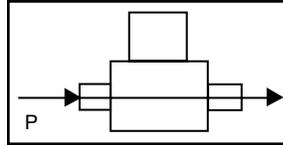
S211 – High Performance, 2" NPT, Brass Body, Normally Closed

Valve Selection List

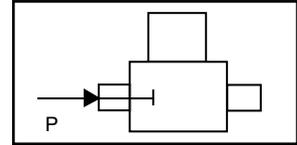
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
2	1 1/2	29	10	250	150	250	150	250	150	—	—	180	Nitrile	8	9	S211GF02N4JJ5
	1 1/2	29	10	—	—	—	—	—	—	150*	150*	366	Teflon	8	9	S211GH02T2JJ5

* 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	1	1	G	F	0	2	N	4	J	J	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	4: Brass 2: Brass	J: 2" NPT	J5: 1 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

- High Performance
- 2" NPT
- Stainless Steel Body
Type 316
- 2-Way Piloted
Diaphragm
- Normally Closed



Materials	Seals:	Nitrile, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1 1/2"
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 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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

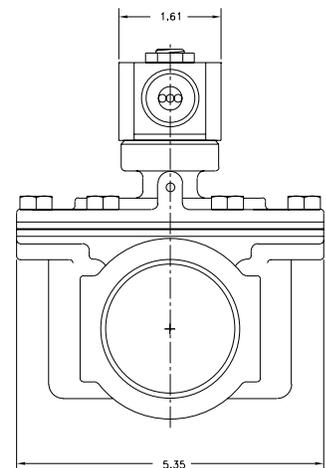
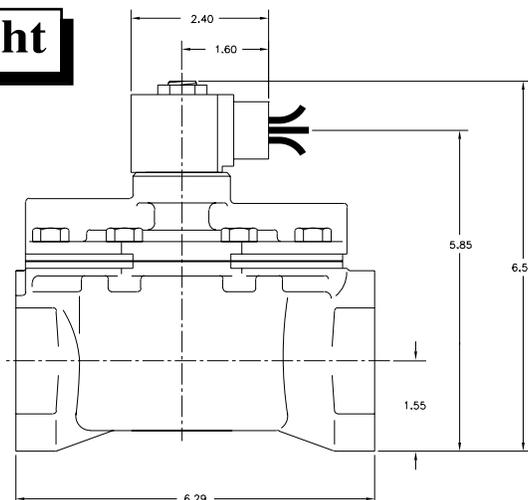
* Not available for all variations

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)

10.5

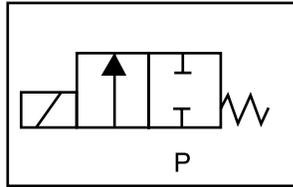




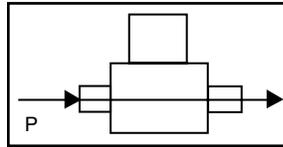
S211 – High Performance, 2" NPT, Stainless Steel Body- Type 316, Normally Closed

Valve Selection List

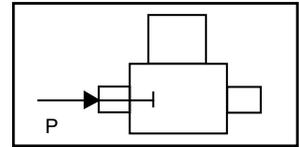
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
2	1 1/2	29	10	250	150	250	150	250	150	—	—	180	Nitrile	8	9	S211GF02N1JJ5
	1 1/2	29	10	—	—	—	—	—	—	150*	150*	366	Teflon	8	9	S211GH02T1JJ5

* 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	1	1	G	F	0	2	N	1	J	J	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			1: Normally Closed	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	1: Stainless Steel	J: 2" NPT	J5: 1 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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



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



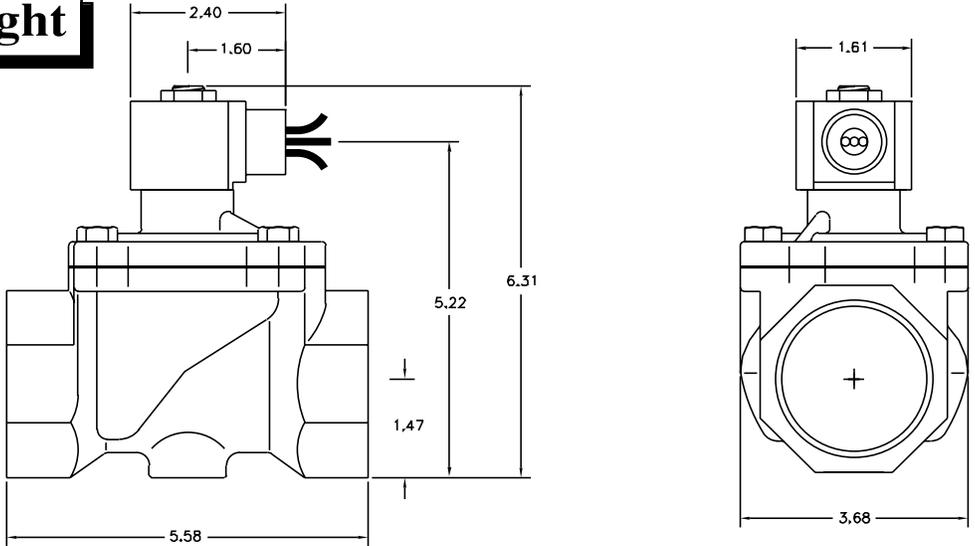
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot: Stainless Steel Main: Brass Ø 1 1/4"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts),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

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)
13.5

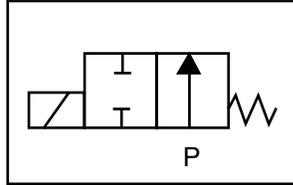




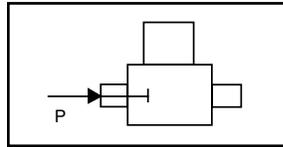
S212 – 2" NPT, Brass Body, Normally Open

Valve Selection List

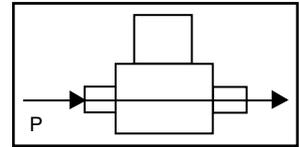
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC					
2	1 1/4	28	5	200	140	140	140	—	—	—	—	295	EPR	9	9	S212GF02C5JJ2
	1 1/4	28	5	200	140	140	140	85	85	—	—	180	Nitrile	9	9	S212GF02N5JJ2
	1 1/4	28	5	200	140	140	140	85	85	—	—	230	Viton	9	9	S212GF02V5JJ2
	1 1/4	28	5	—	—	—	—	—	—	—	50* 50*	295	EPR	9	9	S212GH02C5JJ2

* 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	1	2	G	F	0	2	C	5	J	J	2
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: 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	S3

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	36	36
	Holding	18	22



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



Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifice: Pilot Main	Stainless Steel 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

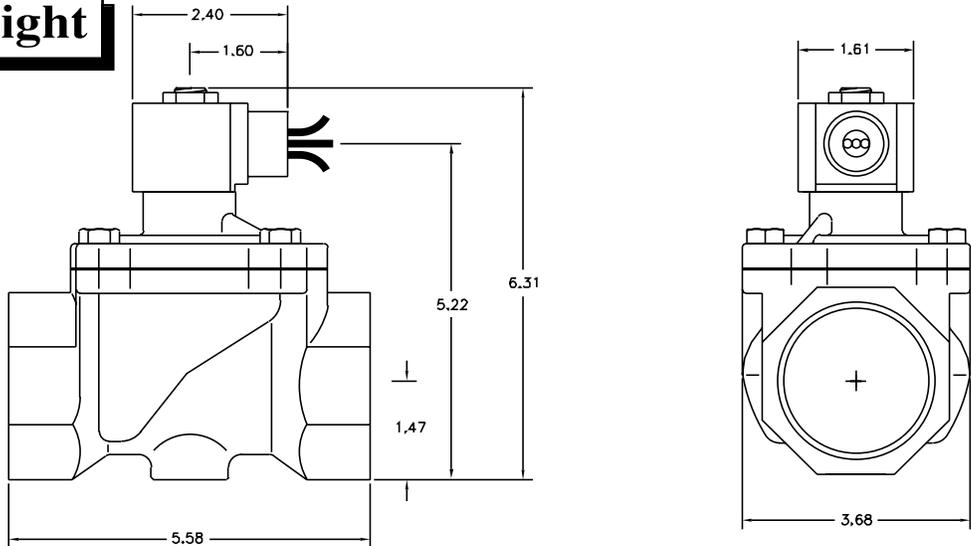
* Not available for all variations

® Registered Trademark of DuPont Co.

Dimensions/Weight

Weight (lbs.)

13.5

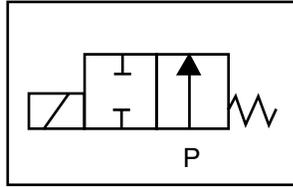




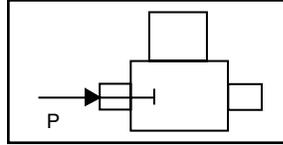
S212 – 2" NPT, Stainless Steel Body, Type 316, Normally Open

Valve Selection List

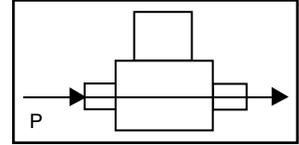
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	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*						Stainless Steel Body Type 316	
2	1 1/4	28	5	200	150	150	150	—	—	—	—	295	EPR	9	9	S212GF02E7JJ2
	1 1/4	28	5	200	150	150	150	85	85	—	—	180	Nitrile	9	9	S212GF02J7JJ2
	1 1/4	28	5	200	150	150	150	85	85	—	—	230	Viton	9	9	S212GF02L7JJ2
	1 1/4	28	5	—	—	—	—	—	—	—	50*	50*	295	EPR	9	9

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

Part Numbering

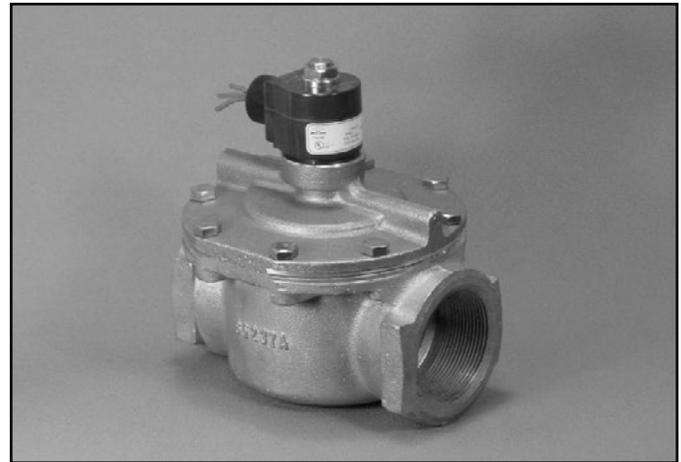
1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	1	2	G	F	0	2	E	7	J	J	2
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		E: EPR J: Nitrile L: Viton	7: 316 SS	J: 2" NPT	J2: 1 1/4"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
ALL	S3

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

- High Performance
- 2" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Open



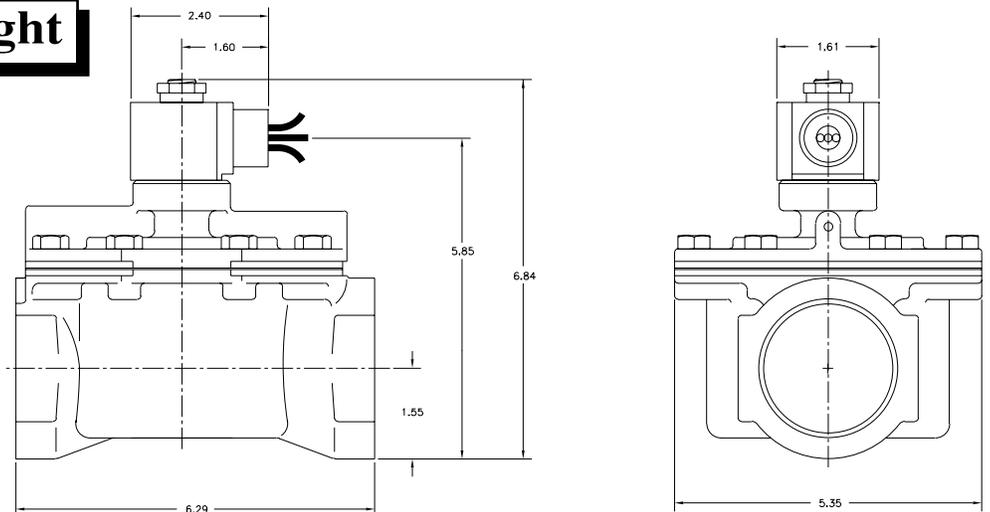
Materials	Seals:	Nitrile, Teflon®
	Orifice: Pilot Main	Stainless Steel Brass Ø 1 1/2" - #4 Body; Stainless Steel Ø 1 1/2" - #2 Body
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

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Dimensions/Weight

Weight (lbs.)
10.5

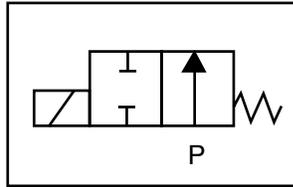




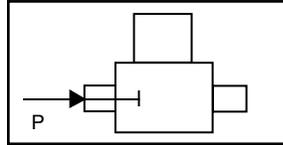
S211 – High Performance, 2" NPT, Brass Body, Normally Open

Valve Selection List

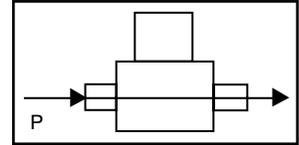
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)								Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
				Maximum										AC	DC	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC	DC			AC	DC	AC
2	1 1/2	28	10	200	140	200	140	200	140	—	—	180	Nitrile	8	9	S212GF02N4JJ5
	1 1/2	28	10	—	—	—	—	—	—	100*	100*	366	Teflon	8	9	S212GH02T2JJ5

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

Part Numbering

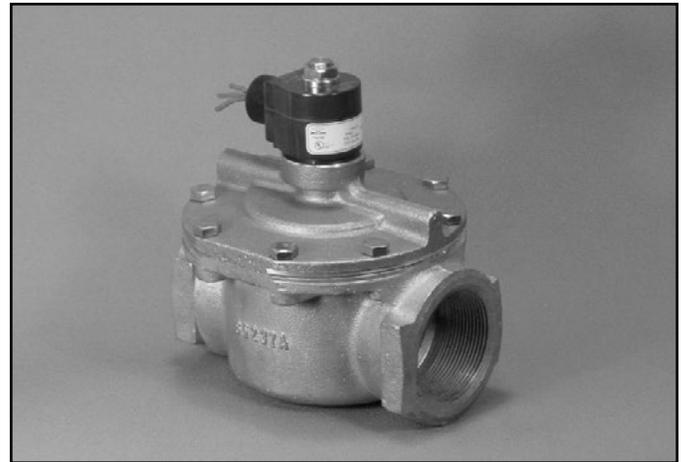
1	2	3	4	5	6	7	8	9	10	11	12	13
S	2	1	2	G	F	0	2	N	4	J	J	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	4: Forged Brass 2: Brass	J: 2" NPT	J5: 1 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

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

- High Performance
- 2" NPT
- Stainless Steel Body
Type 316
- 2-Way Piloted
Diaphragm
- Normally Open



Materials	Seals:	Nitrile, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1 1/2"
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 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:	±15° From Vertical
Approvals*	Agency:	UL Listed, UL Recognized, CSA Approved

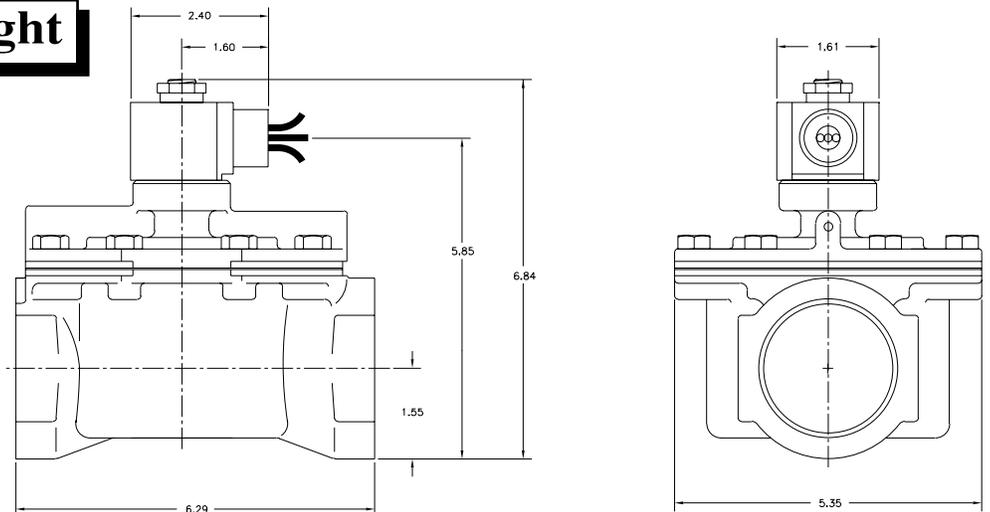
* Not available for all variations

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Dimensions/Weight

Weight (lbs.)

10.5

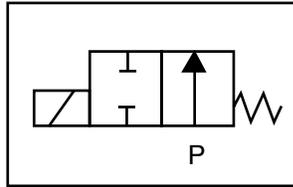




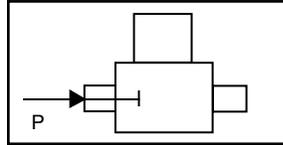
S212 – High Performance, 2" NPT, Stainless Steel Body- Type 316, Normally Open

Valve Selection List

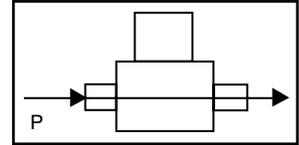
Normally Open



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	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		
2	1 1/2	28	10	200	140	200	140	200	140	—	—	180	Nitrile	8	9	S212GF02N1JJ5
	1 1/2	28	10	—	—	—	—	—	—	100*	100*	366	Teflon	8	9	S212GH02T1JJ5

* 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	1	2	G	F	0	2	N	1	J	J	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S21			2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50		N: Nitrile T: Teflon/ EPR	1: Stainless Steel	J: 2" NPT	J5: 1 1/2"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	22

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