## S31 Series

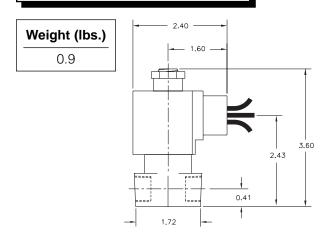


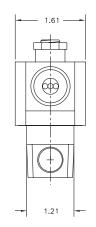
# 3/8" NPT Brass Body 2-Way Direct Acting Normally Open

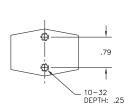


Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact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

<sup>\*</sup> Not available for all variations







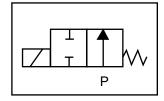
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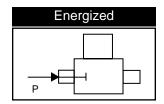


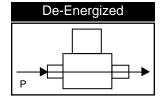
# S312 – 3/8" NPT, Brass Body, Normally Open

## **Valve Selection List**

Normally Open







Φ	Size		(	Opera	ating	Pres				al (psi	i)	np.	اھ	Po	wer	Model Code	
Size			_				Maxi	mum	l			lax Ter	teri	Consumption		(120V/60HZ — 110V/50HZ)	
Pipe	Orifice		imum	Air/	Gas	Wa	ater	Ligh	t Oil	Ste	am*	Max Fluid Temp.	al Material	(Wa	atts)	Shown	
NPT	in.	C <sub>v</sub>	Mini	AC	DC	AC	DC	AC	DC	AC	DC	°F	Seal	AC	DC	Brass Body	
3/8	1/8	.30	0	60	60	60	60	_	_	60*	60*	295	EPR	8	9	S312GF02C9CD5	
3/0	3/16	.65	0	30	30	30	30	_	_	30*	30*	295	EPR	8	9	S312GF02C9CE1	
3/8	1/8	.30	0	60	60	60	60	60	60	_		180	Nitrile	8	9	S312GF02N9CD5	
3/0	3/16	.65	0	30	30	30	30	30	30	_		180	Nitrile	8	9	S312GF02N9CE1	
3/8	1/8	.30	0	60	60	60	60	60	60	_		230	Viton	8	9	S312GF02V9CD5	
3/0	3/16	.65	0	30	30	30	30	30	30	_	_	230	Viton	8	9	S312GF02V9CE1	
3/8	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Rulon	8	9	S312GF02R9CD5	
3/0	3/16	.65	0	30	30	30	30	30	30	30*	30*	366	Rulon	8	9	S312GF02R9CE1	
3/8	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Teflon	8	9	S312GF02T9CD5	
3/6	3/16	.65	0	30	30	30	30	30	30	30*	30*	366	Teflon	8	9	S312GF02T9CE1	

<sup>\*</sup> Class H Coil Recommended for Steam and Other High Temperature Applications

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



## **Part Numbering**

1	2	3	4	5	6	7 8	9	10	11	12 13
S	3	1	2	G	F	02	C	9	C	<b>D</b> 5
	Series		Operating Mode	Housing*	Coil Class*	Voltage*	Seal Material	Body Material	Pipe Connection	Orifice Size
	S31		2: Normally Open		H: Class H	02: 120/60 110/50 " for additional v	C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	9: Forged Brass	C: 3/8" NPT	D5: 1/8" E1: 3/16"
			36	e ine Engine L	Jenny Guide	TOT AUGITIONAL V	l	alions and op I	l	

#### **Coil Data**

Coil Family									
Type	Size								
All	S3								

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

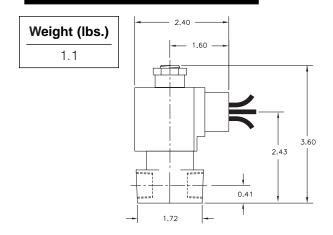


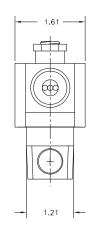
# 3/8" NPT Brass Body 2-Way Direct Acting Normally Open

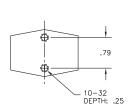


Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact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

<sup>\*</sup> Not available for all variations







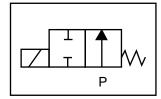
<sup>®</sup> Registered Trademark of DuPont Co.

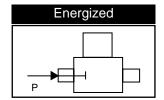


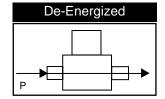
# S302 – 3/8" NPT, Brass Body, Normally Open

## Valve Selection List

Normally Open







Size	e Size			Opera	ating			Diffe imum		al (psi	i)	Max Fluid Temp.	Material	Power Consumption		Model Code  120V/60HZ — 110V/50HZ	
Pipe	Orifice		Minimum	Air/	Gas	Wa	ater	Ligh	t Oil	Ste	am*	Fluid		(Wa	atts)	Shown Shown	
NPT	in.	C <sub>V</sub>	Min	AC	DC	AC	DC	AC	DC	AC	DC	°F	Seal	AC	DC	Brass Body	
3/8	1/8	.30	0	100	100	100	100	_	_	100*	100*	295	EPR	11	10	S302GF02C9CD5	
3/0	3/16	.65	0	40	40	40	40	_	_	40*	40*	295	EPR	11	10	S302GF02C9CE1	
3/8	1/8	.30	0	100	100	100	100	100	100	_	_	180	Nitrile	11	10	S302GF02N9CD5	
3/0	3/16	.65	0	40	40	40	40	40	40	_	_	180	Nitrile	11	10	S302GF02N9CE1	
3/8	1/8	.30	0	100	100	100	100	100	100	_	_	230	Viton	11	10	S302GF02V9CD5	
3/0	3/16	.65	0	40	40	40	40	40	40	_	_	230	Viton	11	10	S302GF02V9CE1	
3/8	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Rulon	11	10	S302GF02R9CD5	
3/0	3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Rulon	11	10	S302GF02R9CE1	
3/8	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Teflon	11	10	S302GF02T9CD5	
3/0	3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Teflon	11	10	S302GF02T9CE1	

<sup>\*</sup> Class H Coil Recommended for Steam and Other High Temperature Applications

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



## **Part Numbering**

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

#### **Coil Data**

Coil Family								
Type Size								
All	S4							

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

## S20 Series



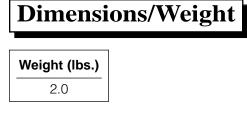
- 3/8" NPT
- Brass Body
- 2-Way Zero DifferentialPiloted Diaphragm
- Normally Open

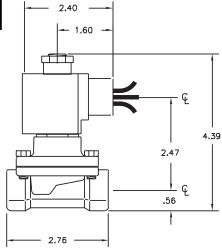


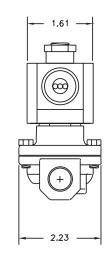
Materials	Seals:		Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot Main	Stainless Steel Brass Ø 5/8"
Electrical	Standard Ho	ousing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Ho	usings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Vo	oltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tole	rance:	±10% of applicable voltage
	Coil Classes	S:	F, H, N
	Standard Le	ad Length:	24 inch
Operating Temperature	Ambient (No	ominal):	32°F to 125°F
Mounting	Position:		Any
Approvals*	Agency:		UL Listed, UL Recognized, CSA Approved

<sup>\*</sup> Not available for all variations

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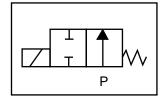


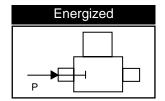


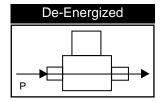
# S202 – 3/8" NPT, Brass Body, Normally Open

#### **Valve Selection List**

Normally Open







Size	Size		Operating Pressure Differential (ps Maximum								kmp.	rial	Power Consumption		Model Code	
Pipe Si	Orifice		imum	Air/	Gas	Wa	ater	Ligh	t Oil	Steam*	Max Iuid Temp.	Materi		atts)	( 120V/60HZ — 110V/50HZ Shown	
NPT	IN	C <sub>v</sub>	Minim	AC	DC	AC	DC	AC	DC	AC	°F	Seall	AC	DC	Brass Body	
	5/8	3.3	0	200	125	200	125	_	_	_	295	EPR	11	10	S202GF02C5CG4	
0.40	5/8	3.3	0	200	125	200	125	200	125	_	180	Nitrile	11	10	S202GF02N5CG4	
3/8	5/8	3.3	0	200	125	200	125	200	125	_	230	Viton	11	10	S202GF02V5CG4	
	5/8	3.3	0	_	_	_	_	_	_	50*	295	EPR	11	_	S202GH02C5CG4	

<sup>\*</sup> Class H Coil Recommended for Steam and Other High Temperature Applications

#### **Part Numbering**

1 2 3	4	5	6	7 8	9	10	11	12 13
<b>S</b> 2 0	2	G	F	0 2	C	5	C	<b>G</b> 4
Series	Operating Mode	Housing*	Coil Class*	Voltage*	Seal Material	Body Material	Pipe Connection	Orifice Size
S20	2: Normally Open * Se		F: Class F H: Class H O2: 120/60 N: Nitrile V: Viton C: EPR N: Nitrile V: Viton C: 3/8" NPT G4: 5				G4: 5/8"	

#### Coil Data

Туре	Size
All	S4

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



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

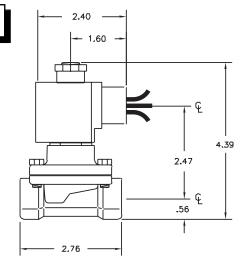


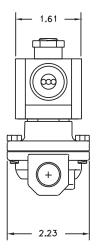
Materials	Seals:		Nitrile, Viton®, Ethylene Propylene					
	Orifice:	Pilot Main	Stainless Steel Brass Ø 5/8"					
Electrical	Standard Ho	ousing:	Encapsulated Waterproof Conduit (NEMA 4/4X)					
	Optional Ho	usings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.					
	Standard Vo	oltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.					
	Voltage Tole	rance:	±10% of applicable voltage					
	Coil Classes	S:	F, H, N					
	Standard Le	ad Length:	24 inch					
Operating Temperature	Ambient (No	ominal):	32°F to 125°F					
Mounting	Position:		Any					
Approvals*	Agency:		UL Listed, UL Recognized, CSA Approved					

<sup>\*</sup> Not available for all variations

# **Dimensions/Weight**

Weight (lbs.)





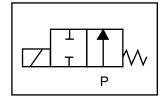
<sup>®</sup> Registered Trademark of DuPont Co.

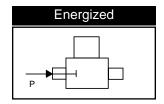


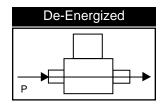
# S212 – 3/8" NPT, Brass Body, Normally Open

#### **Valve Selection List**

Normally Open







Size	Size		Operating Pressure Differential (psi)  Maximum						i)	emp.	a	Power Consumption		Model Code			
Pipe Si	Orifice		imum	Air/	Gas	Wa	ater	Ligh	t Oil	Ste	am*	Max Fluid Temp.	Materi	(Watts)		( 120V/60HZ — 110V/50HZ ) Shown	
NPT	IN	C <sub>V</sub>	Minim	AC	DC	AC	DC	AC	DC	AC	DC		a   a		DC	Brass Body	
	5/8	3.3	3	200	140	200	125	_	_	_	_	295	EPR	11	10	S212GF02C5CG4	
0/0	5/8	3.3	3	200	140	200	125	200	125	_	_	180	Nitrile	11	10	S212GF02N5CG4	
3/8	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	

<sup>\*</sup> 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	02	C	5	C	<b>G</b> 4	
	Series		Operating Mode	Housing*	Coil Class*	Voltage*	Seal Material	Body Material	Pipe Connection	Orifice Size	
	S21		2: Normally Open		F: Class F 02: 120/60 C: EPR N: Nitrile V: Viton S: Brass C: 3/8" NPT G4: 5/8"						
			* See the "Engineering Guide" for additional voltages, variations and options.								

#### **Coil Data**

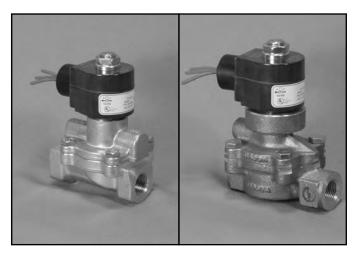
	<u> </u>
Type	Size
ALL	S4

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

#### **S21 Series**

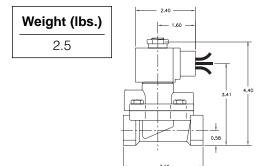


- High Performance
- 3/8" NPT
- Brass Body
- 2-Way Piloted Diaphragm
- Normally Open

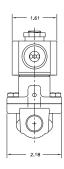


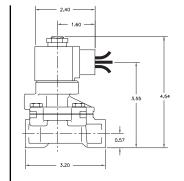
Materials	Seals:	Viton®, Teflon®
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 1/2"
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact 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

<sup>\*</sup> Not available for all variations

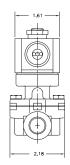


Body Code 4









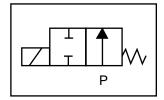
<sup>®</sup> Registered Trademark of DuPont Co.

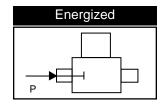


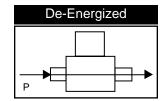
#### S211 – High Performance, 3/8" NPT, Brass Body, Normally Open

## Valve Selection List

Normally Open







Size	Size		0	pera	ting F		ure [ Maxir			al (ps	i)	k emp.	al	Power Consumption (Watts)		Model Code  120V/60HZ — 110V/50HZ	
Pipe Si	Orifice		imum	Air/	Gas	Wa	ater	Ligh	ıt Oil	Stea	am*	Max Fluid Temp	Material			( 120V/60HZ — 110V/50HZ ) Shown	
NPT	IN	C <sub>v</sub>	Minim	AC	DC	AC	DC	AC	DC	AC	DC		Seall	AC	DC	Brass Body	
	1/2	3.3	1	150	140	150	140	150	140	_	_	230	Viton	8	9	S212GF02K4CG1	
3/8	1/2	3.3	1	_	_	_	l	_	_	100*	100*	338	Teflon	8	9	S212GH02T4CG1	
	1/2	3.3	10		_	_				150*	140*	366	Teflon	8	9	S212GH02T2CG1	

<sup>\*</sup> 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 * Se		F: Class F H: Class H eering Guide	02: 120/60 110/50 " for additional v	K: Viton T: Teflon oltages, vari	4: Forged Brass 2: Brass ations and or	C: 3/8" NPT	G1: 1/2"

#### **Coil Data**

Coll Family							
Type	Size						
All	S3						

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

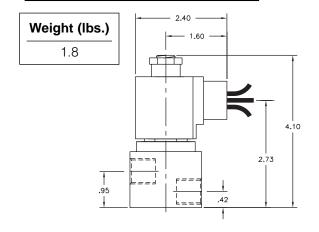


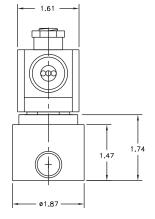
- 3/8" NPT
- Brass Body
- 2-Way Piloted Piston
- Normally Open

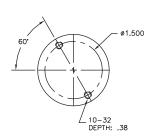


Materials	Seals:		Nitrile, Viton®, Teflon®, Ethylene Propylene
	Orifice:	Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Ho	using:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Hou	isings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Vol	tages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Toler	ance:	±10% of applicable voltage
	Coil Classes:		F, H, N
	Standard Lea	ad Length:	24 inch
Operating Temperature	Ambient (Nor	minal):	32°F to 125°F
Mounting	Position:		Any
Approvals*	Agency:		UL Listed, UL Recognized, CSA Approved

<sup>\*</sup> Not available for all variations







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

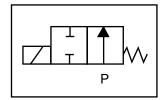
<sup>®</sup> Registered Trademark of DuPont Co.

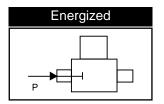


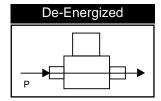
# S402 – 3/8" NPT, Brass Body, Normally Open

#### **Valve Selection List**

Normally Open







Size	Size		C	Operating Pressure D Maxim					ential	(psi	)	Max Iuid Temp.	rial	_	wer mption	Model Code  120V/60HZ — 110V/50HZ		
Pipe S	Orifice		mnı	Air/	Gas	Wa	ater	Hea	ated I Oil	Steam*		Steam*		Ma Fluid F	Material	(Wa	atts)	Shown )
NPT	IN	C <sub>v</sub>	Minimum	AC	DC	AC	DC	AC	DC	AC	DC	°F	Seal	AC	DC	Brass Body		
	3/8	1.0	0	300	150	300	150	_	_	_	_	295	EPR	10	10	S402GF02C9CF5		
	3/8	1.0	0	300	150	300	150	300	150	_		180	Nitrile	10	10	S402GF02N9CF5		
3/8	3/8	1.0	0	300	150	300	150	300	150			230	Viton	10	10	S402GF02V9CF5		
3/0	3/8	1.0	0	300	150	300	150	300	150	_		366	Teflon	10	10	S402GF02T9CF5		
	3/8	1.0	0	_	_	_		_	_	50*	50*	295	EPR**	10	10	S402GH02E9CF5		
	3/8	1.0	0	_	_	_		_		150*	150*	366	Teflon**	10	9	S402GH02S9CF5		

<sup>\*</sup> Class H Coil Recommended for Steam and Other High Temperature Applications

## **Part Numbering**

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

<sup>\*\*</sup>For Steam Service

#### **Coil Data**

00111	
Type	Size
All	S4

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

#### S31 Series

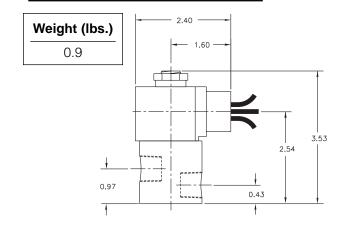


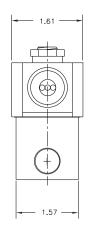
# 3/8" NPT Stainless Steel 2-Way Direct Acting Normally Open

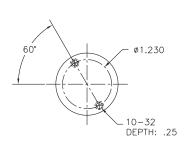


Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact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

<sup>\*</sup> Not available for all variations







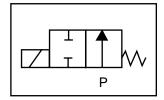
<sup>®</sup> Registered Trademark of DuPont Co.

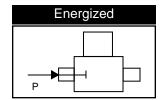


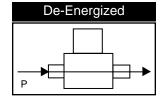
# S312 – 3/8" NPT, Stainless Steel Body, Normally Open

## Valve Selection List

Normally Open







Size	Size		(	Operating Pressure Differential (p						al (psi	i)	Max Fluid Temp.	erial	Power Consumption		Model Code  120V/60HZ — 110V/50HZ		
Pipe (	Orifice		inimum	Air/	Gas	Wa	ater	Ligh	ht Oil Steam*		Steam*		Steam*		Mat	1	atts)	(120V/60HZ — 110V/50HZ) Shown
NPT	in.	C <sub>V</sub>	Min	AC	DC	AC	DC	AC	DC	AC	DC	°F	Seal	AC	DC	Stainless Steel Body		
2/0	1/8	.30	0	60	60	60	60	_	_	60*	60*	295	EPR	8	9	S312GF02C3CD5		
3/8	3/16	.65	0	30	30	30	30	_	_	30*	30*	295	EPR	8	9	S312GF02C3CE1		
3/8	1/8	.30	0	60	60	60	60	60	60	_		180	Nitrile	8	9	S312GF02N3CD5		
3/0	3/16	.65	0	30	30	30	30	30	30	_		180	Nitrile	8	9	S312GF02N3CE1		
3/8	1/8	.30	0	60	60	60	60	60	60	_		230	Viton	8	9	S312GF02V3CD5		
3/0	3/16	.65	0	30	30	30	30	30	30	_		230	Viton	8	9	S312GF02V3CE1		
3/8	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Rulon	8	9	S312GF02R3CD5		
3/0	3/16	.65	0	30	30	30	30	30	30	30*	30*	366	Rulon	8	9	S312GF02R3CE1		
3/8	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Teflon	8	9	S312GF02T3CD5		
3/6	3/16	.65	0	30	30	30	30	30	30	30*	30*	366	Teflon	8	9	S312GF02T3CE1		

<sup>\*</sup> Class H Coil Recommended for Steam and Other High Temperature Applications

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



## **Part Numbering**

1	2	3	4	5	6	7 8	9	10	11	12 13
S	3	1	2	G	F	0 2	C	3	C	<b>D</b> 5
	Series		Operating Mode	Housing*	Coil Class*	Voltage*	Seal Material	Body Material	Pipe Connection	Orifice Size
	S31		2: Normally Open * Se		H: Class H	02: 120/60 110/50 " for additional v	C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	3: Stainless Steel	C: 3/8" NPT	D5: 1/8" E1: 3/16"
				L Lingiin			L	L		

#### **Coil Data**

Coil Family						
Type	Size					
All	S3					

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



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



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

<sup>\*</sup> Not available for all variations

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#### **Dimensions/Weight**

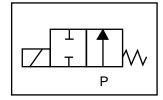
Weight (lbs.)

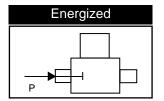


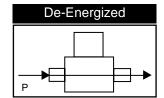
# S302 – 3/8" NPT, Stainless Steel Body, Normally Open

#### **Valve Selection List**

Normally Open







-	Size		(	Oper	ating	Pres	sure	Diffe	rentia	al (psi	i)	p.	_	Po	wer	Model Code
Size			_			Maximum					lax Tem	teria	1	mption	(120V/60HZ — 110V/50HZ)	
Pipe	Orifice		Minimum	Air/Gas		Water		Light Oil		Steam*		Max Fluid Temp.	Seal Material	(Wa	atts)	Shown
NPT	in.	C <sub>V</sub>	Min	AC	DC	AC	DC	AC	DC	AC	DC	°F	Se	AC	DC	Stainless Steel Body
3/8	1/8	.36	0	100	100	100	100	_	_	100*	100*	295	EPR	11	10	S302GF02C3CD5
	3/16	.65	0	40	40	40	40	_	_	40*	40*	295	EPR	11	10	S302GF02C3CE1
3/8	1/8	.36	0	100	100	100	100	100	100	_	_	180	Nitrile	11	10	S302GF02N3CD5
3/6	3/16	.65	0	40	40	40	40	40	40	_	_	180	Nitrile	11	10	S302GF02N3CE1
3/8	1/8	.36	0	100	100	100	100	100	100	_		230	Viton	11	10	S302GF02V3CD5
	3/16	.65	0	40	40	40	40	40	40	_	_	230	Viton	11	10	S302GF02V3CE1
3/8	1/8	.36	0	100	100	100	100	100	100	100*	100*	366	Rulon	11	10	S302GF02R3CD5
3/6	3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Rulon	11	10	S302GF02R3CE1
3/8	1/8	.36	0	100	100	100	100	100	100	100*	100*	366	Teflon	11	10	S302GF02T3CD5
3/0	3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Teflon	11	10	S302GF02T3CE1

<sup>\*</sup> Class H Coil Recommended for Steam and Other High Temperature Applications

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



## **Part Numbering**

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

#### **Coil Data**

Coll F	amily
Type	Size
All	S4

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

#### S20 Series



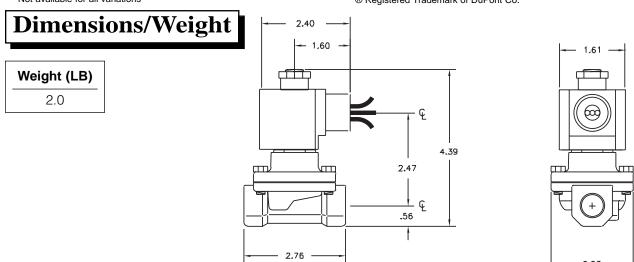
- 3/8" NPT
- Stainless Steel Body Type 316
- 2-Way Zero DifferentialPiloted Diaphragm
- Normally Open



Materials	Seals:		Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot Main	Stainless Steel Stainless Steel Ø 5/8"
Electrical	Standard Ho	ousing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Ho	usings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Vo	ltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tole	rance:	±10% of applicable voltage
	Coil Classes	::	F, H, N
	Standard Le	ad Length:	24 inch
Operating Temperature	Ambient (No	minal):	32°F to 125°F
Mounting	Position:		Any
Approvals*	Agency:		UL Listed, UL Recognized, CSA Approved

<sup>\*</sup> Not available for all variations

<sup>®</sup> Registered Trademark of DuPont Co.

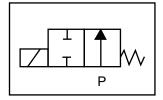


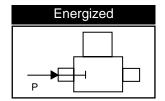


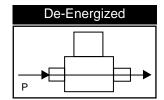
#### S202 – 3/8" NPT, Stainless Steel Body-Type 316, Normally Open

#### Valve Selection List

Normally Open







Size	Size		С	pera	ting F		ure E Maxin		ential	(psi)	ć mp.	rial	Po	wer mption	Model Code	
Pipe Si Orifice			imum	Air/	Gas	s Wat		er Light Oi		Steam*	Max luid Temp	Materi	(Watts)		( 120V/60HZ — 110V/50HZ ) Shown	
nPT_	IN	C <sub>V</sub>	Minim	AC	DC	AC	DC	AC	DC	AC	°F	Seal	AC	DC	Stainless Steel Body Type 316	
	5/8	3.3	0	200	125	200	125	_	_	_	295	EPR	11	10	S202GF02E7CG4	
3/8	5/8	3.3	0	200	125	200	125	200	125	_	180	Nitrile	11	10	S202GF02J7CG4	
3/0	5/8	3.3	0	200	125	200	125	200	125	_	230	Viton	11	10	S202GF02L7CG4	
	5/8	3.3	0					_	_	50*	295	EPR	11		S202GH02E7CG4	

<sup>\*</sup> 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	20		2	G	F	0 2	E	7	C	<b>G</b> 4				
	Series		Operating Mode	Housing*	Coil Class*	Voltage*	Seal Material	Body Material	Pipe Connection	Orifice Size				
	S20		2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50	E: EPR J: Nitrile L: Viton	7: 316 SS	C: 3/8" NPT	G4: 5/8"				
			* Se	* See the "Engineering Guide" for additional voltages, variations and options.										

#### Coil Data

Туре	Size
All	S4

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

## **S21 Series**



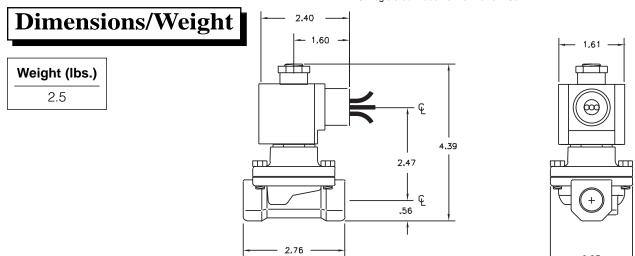
- 3/8" NPT
- Stainless Steel Body Type 316
- 2-Way Piloted Diaphragm
- Normally Open



Materials	Seals:		Nitrile, Viton®, Ethylene Propylene
	Orifice:	Pilot Main	Stainless Steel Stainless Steel Ø 5/8"
Electrical	Standard Ho	ousing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Ho	usings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Vo	ltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tole	rance:	±10% of applicable voltage
	Coil Classes	::	F, H, N
	Standard Le	ad Length:	24 inch
Operating Temperature	Ambient (No	minal):	32°F to 125°F
Mounting	Position:		Any
Approvals*	Agency:		UL Listed, UL Recognized, CSA Approved

<sup>\*</sup> Not available for all variations

<sup>®</sup> Registered Trademark of DuPont Co.

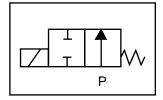


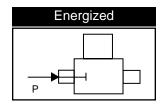


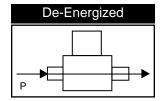
#### S212 – 3/8" NPT, Stainless Steel Body, Type 316, Normally Open

#### Valve Selection List

Normally Open







Size	Size		C	pera	ting F		ure [ Maxir		ential	(ps	i)	tmp.	<u> </u>	Pov	wer mption	Model Code	
Pipe Si	Orifice		un	Air/Gas		Water		Light Oil		Steam*		Max Fluid Temp.	Material	(Watts)		( 120V/60HZ — 110V/50HZ ) Shown	
n NPT	IN	C <sub>v</sub>	Minim	AC	DC	AC	DC	AC	DC	AC	DC	۴	Seal	AC	DC	Stainless Steel Body Type 316	
	5/8	3.3	3	200	140	200	125	_	_	_	_	295	EPR	11	10	S212GF02E7CG4	
2/0	5/8	3.3	3	250	140	200	125	200	125	_	_	180	Nitrile	11	10	S212GF02J7CG4	
3/8	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	

<sup>\*</sup> 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	<b>G</b> 4
	Series		Operating Mode	Housing*	Coil Class*	Voltage*	Seal Material	Body Material	Pipe Connection	Orifice Size
	S21		2: Normally Open * Se		H: Class H	02: 120/60 110/50 " for additional v	E: EPR J: Nitrile L: Viton oltages, vari	7: 316 SS ations and op	C: 3/8" NPT	G4: 5/8"

#### **Coil Data**

	<u> </u>
Type	Size
ALL	S4

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

## S40 Series

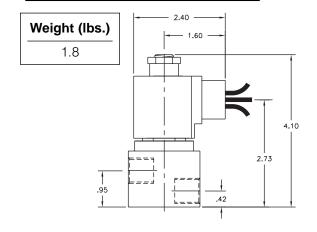


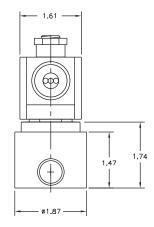
- 3/8" NPT
- Stainless Steel Body
- 2-Way Piloted Piston
- Normally Open

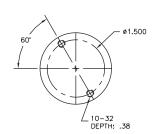


Materials	Seals:		Nitrile, Viton®, Teflon®, Ethylene Propylene						
	Orifice: Pilot Main		Stainless Steel Stainless Steel Ø 3/8"						
Electrical	Standard Ho	using:	Encapsulated Waterproof Conduit (NEMA 4/4X)						
	Optional Hou	usings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.  24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.  ±10% of applicable voltage F, H, N						
	Standard Vo	ltages:							
	Voltage Tole	rance:	±10% of applicable voltage						
	Coil Classes	:	F, H, N						
	Standard Le	ad Length:	24 inch						
Operating Temperature	Ambient (No	minal):	32°F to 125°F						
Mounting	Position:		Any						
Approvals*	Agency:		UL Listed, UL Recognized, CSA Approved						

<sup>\*</sup> Not available for all variations







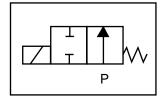
<sup>®</sup> Registered Trademark of DuPont Co.

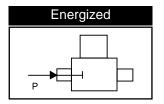


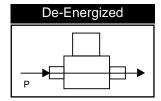
# S402 – 3/8" NPT, Stainless Steel Body, Normally Open

#### **Valve Selection List**

Normally Open







	Size		С	pera	ting F				ential	(psi	)			Po	wer	Model Code	
Size						<u> </u>	Maxin		nd #6			ax Tem	erial	Consumption (Watts)		( 120V/60HZ — 110V/50HZ ) Shown	
Pipe	Orifice		uni	Air/	Gas	Wa	ater		ated I Oil	Ste	am*	Max Fluid Temp.	Materia				
NPT	IN	C <sub>v</sub>	Minimum	AC	DC	AC	DC	AC	DC	AC	DC	°F	Seal	AC	DC	Stainless Steel Body	
11111		·	_														
	3/8	1.0	0	300	150	300	150	_	_	_	_	295	EPR	10	10	S402GF02C1CF5	
	3/8	1.0	0	300	150	300	150	300	150	_	_	180	Nitrile	10	10	S402GF02N1CF5	
0/0	3/8	1.0	0	300	150	300	150	300	150	_	_	230	Viton	10	10	S402GF02V1CF5	
3/8	3/8	1.0	0	300	150	300	150	300	150	_		366	Teflon	10	10	S402GF02T1CF5	
	3/8	1.0	0		_	_	_		_	50*	50*	295	EPR**	10	10	S402GH02E1CF5	
	3/8	1.0	0	_	_	_	_	_	_	150*	150*	366	Teflon**	10	9	S402GH02S1CF5	

<sup>\*</sup> 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	4	0	2	G	F	0 2	C	1	C	<b>F</b> 5
	Series		Operating Mode	Housing*	Coil Class*	Voltage*	Seal Material	Body Material	Pipe Connection	Orifice Size
	S40		2: Normally Open * Se		H: Class H	02: 120/60 110/50 e" for additional	C: EPR N: Nitrile V: Viton T: Teflon E: EPR** S: Teflon**	1: Stainless Steel	C: 3/8" NPT	F5: 3/8"

<sup>\*\*</sup>For Steam Service

#### **Coil Data**

Туре	Size
All	S4

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