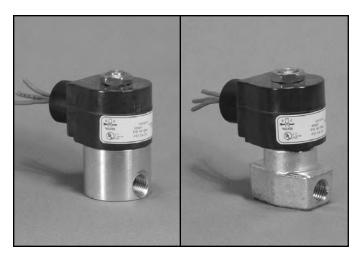




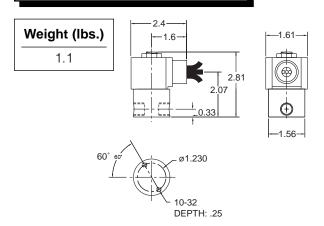
1/4" NPTBrass Body2-Way Direct ActingNormally Closed



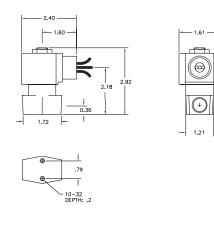
Materials	Seals:	Nitrile, Viton [®] , Ethylene Propylene, Teflon [®] , Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts),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

* Not availaale for all variations

Dimensions/Weight



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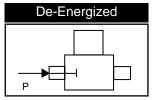




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	ze		Operating Pressure Differential (psi)									ġ.		Power		Model Code
Size	Size						Maxi	mum				Max Fluid Temp.	rial	-	wer mption	
e N	Orifice		Ε									Б Та	ate		atts)	(120V/60HZ — 110V/50HZ) Shown
Pipe	Ö		Б	Air/0	Gas	Wa	ater	Ligh	t Oil	Stea	am*	ЫЦ	Seal Material			
NPT	in.	Cv	Minimum	AC	DC	AC	DC	AC	DC	AC	DC	°F	Sea	AC	DC	Brass Body
	1/32	.03	0	2000	2000	2000	2000	_	_	150*	150*	295	EPR	8	9	S311GF02C8AC1
	3/64	.05	0			770		_		150*	150*	295	EPR	8	9	S311GF02C8BC3
	1/16	.10	0	560	185	560	185	_		150*	150*	295	EPR	8	9	S311GF02C8BC5
	5/64	.15	0	400	150	400	150	_		150*	150*	295	EPR	8	9	S311GF02C8BC7
	3/32	.21	0	300	130	300	130	_		150*	130*	295	EPR	8	9	S311GF02C8BC9
	7/64	.29	0	210	90	210	90	_		150*	90*	295	EPR	8	9	S311GF02C8BD3
1/4	1/8	.32	0	155	60	155	60	_		150*	60*	295	EPR	8	9	S311GF02C8BD5
	5/32	.43	0	105	35	105	35	_		105*	35*	295	EPR	8	9	S311GF02C8BD7
	3/16	.49	0	75	20	75	20	_		75*	20*	295	EPR	8	9	S311GF02C8BE1
-	1/4	.85	0	35	15	35	15			35*	15*	295	EPR	8	9	S311GF02C9BE7
-	9/32	1.0	0	20	10	20	10			20*	10*	295	EPR	8	9	S311GF02C9BF1
-	3/8	1.1	0	15	5	15	5			15*	5*	295	EPR	8	9	S311GF02C9BF5
	1/32	.03	0	2000				2000	2000	_	_	180	Nitrile	8	9	S311GF02N8AC1
	3/64	.05	0			770				_		180	Nitrile	8	9	S311GF02N8BC3
	1/16	.10	0			560			185	_	_	180	Nitrile	8	9	S311GF02N8BC5
-	5/64	.15	0	400	150			400	150	_	_	180	Nitrile	8	9	S311GF02N8BC7
	3/32	.21	0	300	130		130	300	130	_	_	180	Nitrile	8	9	S311GF02N8BC9
	7/64	.29	0	210	90	210	90	210	90	_	_	180	Nitrile	8	9	S311GF02N8BD3
1/4	1/8	.32	0	155	60	155	60	155	60	_	_	180	Nitrile	8	9	S311GF02N8BD5
	5/32	.43	0	105	35	105	35	105	35	_	_	180	Nitrile	8	9	S311GF02N8BD7
	3/16	.49	0	75	20	75	20	75	20	_	-	180	Nitrile	8	9	S311GF02N8BE1
	1/4	.85	0	35	15	35	15	35	15	_	_	180	Nitrile	8	9	S311GF02N9BE7
	9/32	1.0	0	20	10	20	10	20	10	_	_	180	Nitrile	8	9	S311GF02N9BF1
	3/8	1.1	0	15	5	15	5	15	5	_	_	180	Nitrile	8	9	S311GF02N9BF5
	1/32	.03	0	2000							_	230	Viton	8	9	S311GF02V8AC1
-	3/64	.05	0			770				_	_	230	Viton	8	9	S311GF02V8BC3
-	1/16	.10	0			560				_	_	230	Viton	8	9	S311GF02V8BC5
-	5/64	.15	0			400				_	_	230	Viton	8	9	S311GF02V8BC7
	3/32	.21	0			300						230	Viton	8	9	S311GF02V8BC9
	7/64	.29		210								230	Viton	8	9	S311GF02V8BD3
1/4	1/8	.32	0	155	60	155		155		— <u> </u>		230	Viton	8	9	S311GF02V8BD5
	5/32	.43	0	105	35	105		105		— <u> </u>		230	Viton	8	9	S311GF02V8BD7
	3/16	.49	0	75	20	75	20	75	20			230	Viton	8	9	S311GF02V8BE1
	1/4	.85	0	35	15	35	15	35	15			230	Viton	8	9	S311GF02V9BE7
	9/32	1.0	0	20	10	20	10	20	10			230	Viton	8	9	S311GF02V9BF1
	3/8	1.1	0	15	5	15	5	15	5			230	Viton	8	9	S311GF02V9BF5
	5,0		0	10	5					_						igh Temperature Applications

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

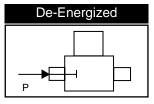
GC Valves Customer Service: 800-828-0484 (7:30am to 4pm ET) or 800-582-4232 (7:30am to 4pm PT) ^{1/4-B-311-2}



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

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



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

Part Numbering 2 3 7 10 12 13 1 4 5 6 8 9 11 3 2 1 8 1 Β 1 G F 0 Body Pipe Operating Seal Series Housing* Coil Class' Voltage* Orifice Size Mode Material Material Connection C1: 1/32" C3: 3/64" C5: 1/16" C7: 5/64" C9: 3/32" S31 F: Class F 02: 120/60 C: EPR 8: Brass B: 1/4" NPT 1: Normally G: Conduit Closed H: Class H 110/50 N: Nitrile 9: Forged V: Viton Brass R: Rulon C9: 3/32 D3: 7/64" D5: 1/8" D7: 5/32" E1: 3/16" E7: 1/4" F1: 9/32" F5: 3/8"® T: Teflon * See the "Engineering Guide" for additional voltages, variations and options. Brass

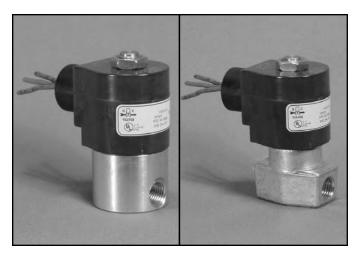
Coil Data

Coil FamilyTypeSizeAllS3S3InrushHolding13





1/4" NPTBrass Body2-Way Direct ActingNormally Closed

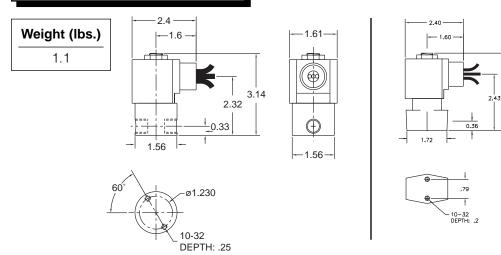


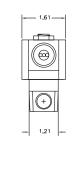
Materials	Seals:	Nitrile, Viton [®] , Ethylene Propylene, Teflon [®] , Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts),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

® Registered Trademark of DuPont Co.

* Not available for all variations

Dimensions/Weight





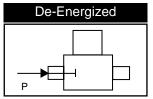
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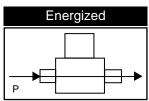
	Size			Opera	ating	Pres	sure	Diffe	rentia	al (ps	i)	ġ		De	wer	Model Code
Size	Si						Maxi	mum				Max Fluid Temp.	erial		mption	
e O	Orifice		ξ		_							Σ	late		atts)	(120V/60HZ — 110V/50HZ) Shown
Pipe	Öri		٦ <u>ق</u>	Air/	Gas	Wa	ater	Ligh	t Oil	Ste	am*	믭	Seal Material			
NPT	in.	Cv	Minimum	AC	DC	AC	DC	AC	DC	AC	DC	°F	Se	AC	DC	Brass Body
	1/32	.03	0	2400	2400	2400	2400	_	_	150*	150*	295	EPR	10	10	S301GF02C8BC1
	3/64	.05	0	1050	1000	1050	1000	—	—	150*	150*	295	EPR	10	10	S301GF02C8BC3
	1/16	.10	0	700	300	700	300	_	_	150*	150*	295	EPR	10	10	S301GF02C8BC5
	5/64	.15	0	500	240	500	240	_	_	150*	150*	295	EPR	10	10	S301GF02C8BC7
	3/32	.21	0	400	200	400	200	—	—	150*	150*	295	EPR	10	10	S301GF02C8BC9
A / A	7/64	.29	0	350	170	350	170	—	—	150*	150*	295	EPR	10	10	S301GF02C8BD3
1/4	1/8	.36	0	200	140	200	140	—	—	150*	140*	295	EPR	10	10	S301GF02C8BD5
	5/32	.44	0	150	100	150	100	—	—	150*	100*	295	EPR	10	10	S301GF02C8BD7
	3/16	.65	0	100	70	100	70	—	—	100*	70*	295	EPR	10	10	S301GF02C8BE1
	1/4	.85	0	50	20	50	20	—	—	50*	20*	295	EPR	10	10	S301GF02C9BE7
	9/32	1.0	0	35	15	34	15	_	_	35*	15*	295	EPR	10	10	S301GF02C9BF1
	3/8	1.1	0	20	5	20	5	_	_	20*	5*	295	EPR	10	10	S301GF02C9BF5
	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	_	180	Nitrile	10	10	S301GF02N8BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	_	_	180	Nitrile	10	10	S301GF02N8BC3
	1/16	.10	0	700	300	700	300	700	300	_	_	180	Nitrile	10	10	S301GF02N8BC5
	5/64	.15	0	500	240	500	240	500	240	_	_	180	Nitrile	10	10	S301GF02N8BC7
	3/32	.21	0	400	200	400	200	400	200	_	_	180	Nitrile	10	10	S301GF02N8BC9
	7/64	.29	0	350	170	350	170	350	170	_	_	180	Nitrile	10	10	S301GF02N8BD3
1/4	1/8	.36	0	200	140	200	140	200	140		_	180	Nitrile	10	10	S301GF02N8BD5
	5/32	.44	0	150	100	150	100	150	100	_	_	180	Nitrile	10	10	S301GF02N8BD7
	3/16	.65	0	100	70	100	70	100	70	_	_	180	Nitrile	10	10	S301GF02N8BE1
	1/4	.85	0	50	20	50	20	50	20		_	180	Nitrile	10	10	S301GF02N9BE7
	9/32	1.0	0	35	15	35	15	35	15			180	Nitrile	10	10	S301GF02N9BF1
	3/8	1.1	0	20	5	20	5	20	5	_	_	180	Nitrile	10	10	S301GF02N9BF5
	1/32	.03	0	2400	2400	2400	2400	2400	2400	_	_	230	Viton	10	10	S301GF02V8BC1
	3/64	.05	0					1050			_	230	Viton	10	10	S301GF02V8BC3
	1/16	.10	0	700	300	700	300	700	300	_	_	230	Viton	10	10	S301GF02V8BC5
	5/64	.15	0					500	240		_	230	Viton	10	10	S301GF02V8BC7
	3/32	.21	0		200	400		400	200		_	230	Viton	10	10	S301GF02V8BC9
	7/64	.29	0					350			_	230	Viton	10	10	S301GF02V8BD3
1/4	1/8	.36	0	200				200	140		—	230	Viton	10	10	S301GF02V8BD5
	5/32	.44	0	150	100			150	100		_	230	Viton	10	10	S301GF02V8BD7
	3/16	.65	0	100	70	100	70	100	70		_	230	Viton	10	10	S301GF02V8BE1
	1/4	.85	0	50	20	50	20	50	20			230	Viton	10	10	S301GF02V9BE7
	9/32	1.0	0	35	15	35	15	35	15		_	230	Viton	10	10	S301GF02V9BF1
	3/8	1.1	0	20	0	20	5	20	5		_	230	Viton	10	10	S301GF02V9BF5
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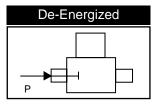
* Class H Coil Recommended for Steam and Other High Temperature Applications



Normally Closed

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Size	e Size			Opera	ating		sure Maxi			al (ps	i)	Max Fluid Temp.	erial	Power Consumption		Model Code (120V/60HZ — 110V/50HZ)	
Pipe 8	Orifice		Minimum	Air/	Gas	Wa	ater	Ligh	t Oil	Ste	am*	Fluid	Seal Material		atts)	(Shown)	
NPT	in.	Cv	Min	AC	DC	AC	DC	AC	DC	AC	DC	°F	Se	AC	DC	Brass Body	
	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Rulon	10	10	S301GF02R8BC1	
	3/64	.05	0	1050	1000	1050	1000	1050	1000	150*	150*	366	Rulon	10	10	S301GF02R8BC3	
	1/16	.10	0	700	300	700	300	700	300	150*	150*	366	Rulon	10	10	S301GF02R8BC5	
	5/64	.15	0	500	240	500	240	500	240	150*	150*	366	Rulon	10	10	S301GF02R8BC7	
	3/32	.21	0	400	200	400	200	400	200	150*	150*	366	Rulon	10	10	S301GF02R8BC9	
4/4	7/64	.29	0	350	170	350	170	350	170	150	150	366	Rulon	10	10	S301GF02R8BD3	
1/4	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Rulon	10	10	S301GF02R8BD5	
	5/32	.44	0	150	100	150	100	150	100	150*	100*	366	Rulon	10	10	S301GF02R8BD7	
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Rulon	10	10	S301GF02R8BE1	
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Rulon	10	10	S301GF02R9BE7	
	9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Rulon	10	10	S301GF02R9BF1	
	3/8	1.1	0	20	5	20	5	20	5	20*	5*	366	Rulon	10	10	S301GF02R9BF5	
	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Teflon	10	10	S301GF02T8BC1	
	3/64	.05	0	1050	1000	1050	1000	1050	1000	150*	150*	366	Teflon	10	10	S301GF02T8BC3	
	1/16	.10	0	700	300	700	300	700	300	150*	150*	366	Teflon	10	10	S301GF02T8BC5	
	5/64	.15	0	500	240	500	240	500	240	150*	150*	366	Teflon	10	10	S301GF02T8BC7	
	3/32	.21	0	400	200	400	200	400	200	150*	150*	366	Teflon	10	10	S301GF02T8BC9	
1/4	7/64	.29	0	350	170	350	170	350	170	150	150	366	Teflon	10	10	S301GF02T8BD3	
1/4	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Teflon	10	10	S301GF02T8BD5	
	5/32	.44	0	150	100	150	100	150	100	150*	100*	366	Teflon	10	10	S301GF02T8BD7	
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Teflon	10	10	S301GF02T8BE1	
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Teflon	10	10	S301GF02T9BE7	
	9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Teflon	10	10	S301GF02T9BF1	
	3/8	1.1	0	20	5	20	5	20	5	20*	5*	366	Teflon	10	10	S301GF02T9BF5	

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



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

Part Nu	mberi	ng						
1 2 3	4	5	6	7 8	9	10	11	12 13
S 3 0	1	G	F	02	N	8	B	C 1
Series	Operating Mode	Housing*	Coil Class*	Voltage*	Seal Material	Body Material	Pipe Connection	Orifice Size
S30	1: Normally Closed * 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, var	8: Brass 9: Forged Brass	B: 1/4" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C7: 5/64" C9: 3/32" D5: 1/8" D7: 5/32" E1: 3/16" E7: 1/4" F1: 9/32" F5: 3/8"®

Coil Data

Coil F	amily
Туре	Size
All	S4

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

[®]Brass



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

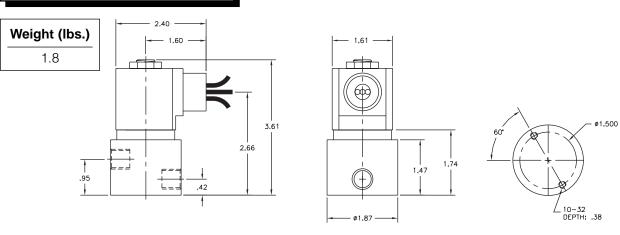


Materials	Seals:	Nitrile, Viton [®] , Teflon [®] , Ethylene Propylene					
	Orifice: Pilot Main	Stainless Steel Stainless Steel Ø 3/8"					
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)					
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.					
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.					
	Voltage Tolerance:	±10% of applicable voltage					
	Coil Classes:	F, H, N					
	Standard Lead Length:	24 inch					
Operating Temperature	Ambient (Nominal):	32°F to 125°F					
Mounting	Position:	Any					
Approvals*	Agency:	UL Safety Shutoff, UL Listed, UL Recognized, CSA Approved, FM Certified					

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* Not available for all variations

Dimensions/Weight





Normall	y Close	d		Operating Pressure Differential (psi)									F	→ [-	De-Energized	
Size	te Size				<u> </u>		Ma	aximı	um	#5 ar	nd #6	,		Max Fluid Temp.			mption		
Pipe	Orifice		mu	Air/	Gas	Wa	ater	Ligh	t Oil	Hea Fue	ated I Oil	Stea	am*	-Iuid	Material	(Watts)		Shown /	
NPT	IN	cv	Minimum	AC	DC	AC	DC	AC	DC	AC	DC	AC		°F	Seal	AC	DC	Brass Body	
	3/8	1.1	0	300	150	300	150	_	_	—	-	—	_	295	EPR	10	10	S401GF02C9BF5	
	3/8	1.1	0	300	150	300	150	300	150	300	150	—	_	180	Nitrile	10	10	S401GF02N9BF5	
4/4	3/8	1.1	0	300	150	300	150	300	150	300	150	_	_	230	Viton	10	10	S401GF02V9BF5	
1/4	3/8	1.1	0	300	150	300	150	300	150	300	150	_	—	366	Teflon	10	10	S401GF02T9BF5	
	3/8	1.1	0	—		—	_	—	_	—	_	50*	50*	295	EPR**	10	10	S401GH02E9BF5	
	3/8	1.1	0	—	—	_	—		_	—		150*	150*	366	Teflon**	10	9	S401GH02S9BF5	

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

Part Numbering 1 2 3 10 11 12 13 4 5 6 8 9 7 5 G 2 9 0 1 ()В Seal Body Pipe Operating Coil Class' Series Housing* Voltage* Orifice Size Material Material Connection Mode S40 G: Conduit F: Class F 02: 120/60 9: Brass B: 1/4" NPT F5: 3/8" 1: Normally C: EPR H: Class H 110/50 Closed N: Nitrile V: Viton T: Teflon E: EPR** S: Teflon** * See the "Engineering Guide" for additional voltages, variations and options. **For Steam Service

Coil Data

Coil	Family	Frequency (Hz)		60	50	
Туре	Size		lanush	40	40	
All	S4	Nominal Power (VA)	Inrush	46	46	
			Holding	20	21	





1/4" NPTStainless Steel Body2-Way Direct ActingNormally Closed

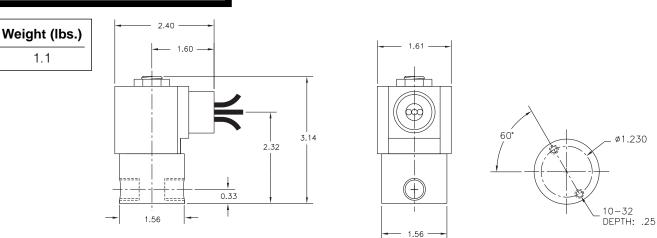


Materials	Seals:	Nitrile, Viton [®] , Ethylene Propylene, Teflon [®] , Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts),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

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* Not available for all variations

Dimensions/Weight

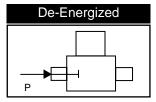




Normally Closed

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	Ρ		

Energized								
P								



	Ð		(Opera	ating	Pres	sure	Diffe	rentia	al (psi)	ġ				Model Code
ize	Size						Maxi	mum				emp	rial	-	wer Imption	
Pipe Size	Orifice		Minimum	Air/	Gas	Wa	ater	Ligh		Ste	am*	Max Fluid Temp.	Seal Material		atts)	(120V/60HZ — 110V/50HZ) Shown
NPT	in.	Cv	Minii	AC	DC	AC	DC	AC	DC	AC	DC	°F	Sea	AC	DC	Stainless Steel Body
	1/32	.03	0	2400	2400	2400	2400	_	_	150*	150*	295	EPR	10	10	S301GF02C3BC1
	3/64	.05	0	1050	1000	1050	1000	_	_	150*	150*	295	EPR	10	10	S301GF02C3BC3
	1/16	.10	0	700	300	700	300	—	_	150*	150*	295	EPR	10	10	S301GF02C3BC5
	5/64	.15	0	500	240	500	240	—	_	150*	150*	295	EPR	10	10	S301GF02C3BC7
	3/32	.21	0	400	200	400	200	—	_	150*	150*	295	EPR	10	10	S301GF02C3BC9
1/4	7/64	.29	0	350	170	350	170	—	_	150*	150*	295	EPR	10	10	S301GF02C3BD3
	1/8	.36	0	200	140	200	140	—	—	150*	140*	295	EPR	10	10	S301GF02C3BD5
	5/32	.44	0	150	100	150	100	—	_	150*	100*	295	EPR	10	10	S301GF02C3BD7
	3/16	.65	0	100	70	100	70	—	_	100*	70*	295	EPR	10	10	S301GF02C3BE1
	1/4	.85	0	50	20	50	20	—	—	50*	20*	295	EPR	10	10	S301GF02C3BE7
	9/32	1.0	0	35	15	35	15	—	_	35*	15*	295	EPR	10	10	S301GF02C3BF1
	1/32	.03	0	2400	2400	2400	2400	2400	2400	—	_	180	Nitrile	10	10	S301GF02N3BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000			180	Nitrile	10	10	S301GF02N3BC3
	1/16	.10	0	700	300	700	300	700	300	_	_	180	Nitrile	10	10	S301GF02N3BC5
	5/64	.15	0	500	240	500	240	500	240	—	_	180	Nitrile	10	10	S301GF02N3BC7
	3/32	.21	0	400	200	400	200	400	200	—	_	180	Nitrile	10	10	S301GF02N3BC9
1/4	7/64	.29	0	350	170	350	170	350	170	—		180	Nitrile	10	10	S301GF02N3BD3
	1/8	.36	0	200	140	200	140	200	140	—	_	180	Nitrile	10	10	S301GF02N3BD5
	5/32	.44	0	150	100	150	100	150	100	—	_	180	Nitrile	10	10	S301GF02N3BD7
	3/16	.65	0	100	70	100	70	100	70	_	_	180	Nitrile	10	10	S301GF02N3BE1
	1/4	.85	0	50	20	50	20	50	20	—		180	Nitrile	10	10	S301GF02N3BE7
	9/32	1.0	0	35	15	35	15	35	15	—	_	180	Nitrile	10	10	S301GF02N3BF1
	1/32	.03	0	2400	2400	2400	2400	2400	2400	—		230	Viton	10	10	S301GF02V3BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	—	_	230	Viton	10	10	S301GF02V3BC3
	1/16	.10	0	700	300	700	300	700	300	_	_	230	Viton	10	10	S301GF02V3BC5
	5/64	.15	0	500	240	500	240	500	240	—	_	230	Viton	10	10	S301GF02V3BC7
	3/32	.21	0	400	200	400	200	400	200	—	_	230	Viton	10	10	S301GF02V3BC9
1/4	7/64	.29	0	350	170	350	170	350	170	_	_	230	Viton	10	10	S301GF02V3BD3
	1/8	.36	0	200			140			_	—	230	Viton	10	10	S301GF02V3BD5
	5/32	.44	0	150	100	150	100	150	100		_	230	Viton	10	10	S301GF02V3BD7
	3/16	.65	0	100	70	100	70	100	70		—	230	Viton	10	10	S301GF02V3BE1
	1/4	.85	0	50	20	50	20	50	20	_	_	230	Viton	10	10	S301GF02V3BE7
	9/32	1.0	0	35	15	35	15	35	15	—	—	230	Viton	10	10	S301GF02V3BF1

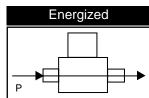
* Class H Coil Recommended for Steam and Other High Temperature Applications

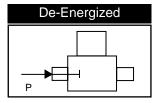
GC Valves Customer Service: 800-828-0484 (7:30am to 4pm ET) or 800-582-4232 (7:30am to 4pm PT) ^{1/4-S-301-2}



Normally Closed

P





Size	Orifice Size			Opera	ating		sure Maxi			al (psi	i)	Max Fluid Temp.	erial		wer mption	Model Code (120V/60HZ — 110V/50HZ)
Pipe (Minimum	Air/	Gas	Wa	ater	Ligh	it Oil	Ste	am*	Fluid.	Seal Material	(Wa	atts)	(1207/00112 - 1107/30112) Shown
NPT	in.	Cv	Min	AC	DC	AC	DC	AC	DC	AC	DC	°F	Se	AC	DC	Stainless Steel Body
	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Rulon	10	10	S301GF02R3BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	150*	150*	366	Rulon	10	10	S301GF02R3BC3
	1/16	.10	0	700	300	700	300	700	300	150*	150*	366	Rulon	10	10	S301GF02R3BC5
	5/64	.15	0	500	240	500	240	500	240	150*	150*	366	Rulon	10	10	S301GF02R3BC7
	3/32	.21	0	400	200	400	200	400	200	150*	150*	366	Rulon	10	10	S301GF02R3BC9
1/4	7/64	.29	0	350	170	350	170	350	170	150*	150*	366	Rulon	10	10	S301GF02R3BD3
	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Rulon	10	10	S301GF02R3BD5
	5/32	.44	0	150	100	150	100	150	100	150*	100*	366	Rulon	10	10	S301GF02R3BD7
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Rulon	10	10	S301GF02R3BE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Rulon	10	10	S301GF02R3BE7
	9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Rulon	10	10	S301GF02R3BF1
	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Teflon	10	10	S301GF02T3BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	150*	150*	366	Teflon	10	10	S301GF02T3BC3
	1/16	.10	0	700	300	700	300	700	300	150*	150*	366	Teflon	10	10	S301GF02T3BC5
	5/64	.15	0	500	240	500	240	500	240	150*	150*	366	Teflon	10	10	S301GF02T3BC7
	3/32	.21	0	400	200	400	200	400	200	150*	150*	366	Teflon	10	10	S301GF02T3BC9
1/4	7/64	.29	0	350	170	350	170	350	170	150*	150*	366	Teflon	10	10	S301GF02T3BD3
	1/8	.36	0	200	140	200	140	200	140	150*	140*	366	Teflon	10	10	S301GF02T3BD5
	5/32	.44	0	150	100	150	100	150	100	150*	100*	366	Teflon	10	10	S301GF02T3BD7
	3/16	.65	0	100	70	100	70	100	70	100*	70*	366	Teflon	10	10	S301GF02T3BE1
	1/4	.85	0	50	20	50	20	50	20	50*	20*	366	Teflon	10	10	S301GF02T3BE7
	9/32	1.0	0	35	15	35	15	35	15	35*	15*	366	Teflon	10	10	S301GF02T3BF1

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



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

Part Nu	mberi	ng							
1 2 3 S 3 0	4 1	5 G	6 F	7 8 0 2	۹ С	10 3	¹¹	12 13 C 1	
Series	Operating Mode	Housing*	Coil Class*	Voltage*	Seal Material	Body Material	Pipe Connection	Orifice Size	
\$30	1: Normally Closed	G: Conduit	H: Class H	02: 120/60 110/50 " for additiona	N: Nitrile V: Viton R: Rulon T: Teflon	3: Stainless Steel	B: 1/4" NPT	 C1: 1/32" C3: 3/64" C5: 1/16" C7: 5/64" C9: 3/32" D5: 1/8" D7: 5/32" 	
						oltages, variations and options.			

Coil Data

Coil	Family	Frequency (Hz)	60	50	
Туре	Size	Nominal Power (VA)	Inrush	46	46
All	S4		Holding	18	19



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

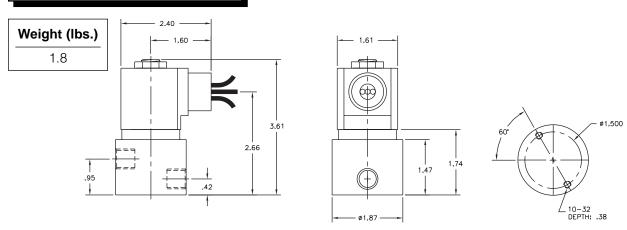


Materials	Seals:	Nitrile, Viton [®] , Teflon [®] , Ethylene Propylene
	Orifice: Pilo Ma	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Housing	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others.
	Standard Voltages	24, 120, 240 AC 60 Hz; 50 Hz available 6, 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.
	Voltage Tolerance	±10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Le	h: 24 inch
Operating Temperature	Ambient (Nominal	32°F to 125°F
Mounting	Position:	Any
Approvals*	Agency:	UL Safety Shutoff, UL Listed, UL Recognized, CSA Approved, FM Certified

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* Not available for all variations

Dimensions/Weight





Valve Selection List Energized De-Energized Normally Closed Т Ρ Ρ Operating Pressure Differential (psi) Size Model Code Max Fluid Temp. Power Size Maximum Seal Material Consumption 120V/60HZ — 110V/50HZ Orifice #5 and #6 (Watts) Pipe ; Air/Gas Heated Fuel Oil Water Steam' Shown Minimum DC AC DC DC AC DC AC Stainless Steel Body AC AC DC Cv °F NPT IN 3/8 0 300 150 300 150 295 EPR 10 10 S401GF02C1BF5 1.1 3/8 1.1 0 300 150 300 150 300 150 180 Nitrile 10 10 S401GF02N1BF5 1.1 0 300 150 300 150 300 230 Viton 10 S401GF02V1BF5 3/8 150 10 1/4 3/8 1.1 0 300 150 300 150 300 150 366 10 10 S401GF02T1BF5 Teflon EPR** 3/8 1.1 0 50* 50* 295 10 10 S401GH02E1BF5 0 150*150* 3/8 1.1 366 Teflon*' 10 9 S401GH02S1BF5 Class H Coil Recommended for Steam and Other High Temperature Applications **Part Numbering** 1 2 3 10 12 13 4 5 6 9 11 8 5 G 2 0 1 B Body Seal Pipe Operating Series Housing* Coil Class' Voltage* Orifice Size Material Material Connection Mode S40 B: 1/4" NPT F5: 3/8" 1: Normally G: Conduit F: Class F 02: 120/60 C: EPR 1: Stainless Closed H: Class H 110/50 N: Nitrile Steel V: Viton T: Teflon E: EPR** S: Teflon* * See the "Engineering Guide" for additional voltages, variations and options. **For Steam Service

Coil Data

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





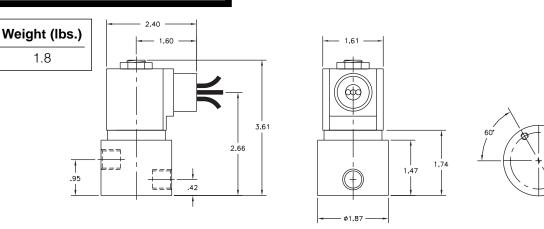
- High Pressure
- 1/4" NPT
- Stainless Steel Body
- 2-Way Piloted Piston
- Normally Closed



Materials	Seals:		Viton [®] and Teflon [®]
	Orifice:	Pilot Main	Stainless Steel Stainless Steel Ø 3/8"
Electrical	Standard Ho	ousing:	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.
	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 Recognized

* Not available for all variations

Dimensions/Weight



GC Valves Customer Service: 800-828-0484 (7:30am to 4pm ET) or 800-582-4232 (7:30am to 4pm PT) 1/4-VS-401-1

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10-32 DEPTH: .38

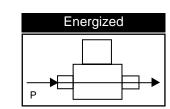


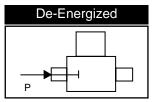
H401 – High Pressure, 1/4" NPT, Stainless Steel Body, Normally Closed

Valve Selection List

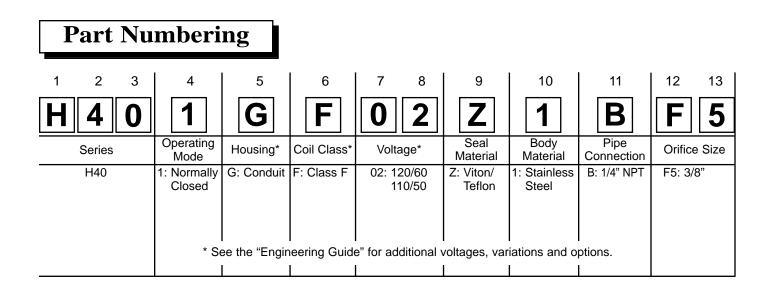
Normally Closed

L T P	





Size	Size		C	peratir	ng Pre		Differe mum	ntial (p	osi)	k emp.	rial	Pov Consu		Model Code (120V/60HZ — 110V/50HZ)
Pipe Si	Drifice		m	Air/0	Gas	Wa	ater	Ligh	t Oil	Max Iuid Temp.	Materi	(Watts)		(1207/60HZ — 1107/50HZ) Shown)
NPT	IN	Cv	Minim	AC	DC	AC	DC	AC	DC	۴	Seal I	AC	DC	Stainless Steel Body
1/4	3/8	1.1	0	2200	2200	2200	2200	2200	2200	230	Viton/ Teflon	10	10	H401GF02Z1BF5



Coil Data

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