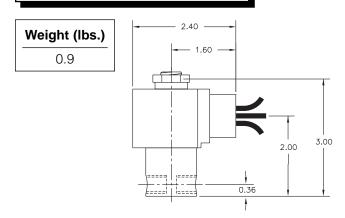


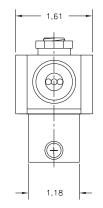
1/8" NPT Brass Body 2-Way Direct Acting Normally Open

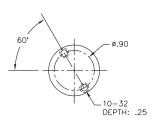


Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact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

^{*} Not available for all variations





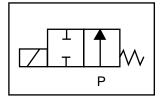


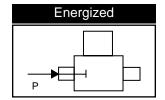
[®] Registered Trademark of DuPont Co.

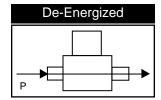


S312 – 1/8" NPT, Brass Body, Normally Open

Valve Selection List







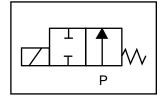
Size	Size		(Opera	ating	Pres	sure Maxi			al (psi	j)	k emp.	ial		wer	Model Code
Pipe Si	Orifice		Minimum	Air/	Gas	Wa	ater		t Oil	Ste	am*	Max Fluid Temp.	Seal Material		imption atts)	(120V/60HZ — 110V/50HZ) Shown
NPT	in.	C _v	Min	AC	DC	AC	DC	AC	DC	AC	DC	°F	Se	AC	DC	Brass Body
	1/32	.03	0	2000	2000	2000	2000	_	_	150*	150*	295	EPR	AC	AC	S312GF02C8AC1
	3/64	.05	0	350	350	350	350	_	_	150*	150*	295	EPR	8	9	S312GF02C8AC3
	1/16	.10	0	200	200	200	200	_	_	150*	150*	295	EPR	8	9	S312GF02C8AC5
	5/64	.15	0	140	140	140	140	_	_	140*	140*	295	EPR	8	9	S312GF02C8AC7
1/8	3/32	.20	0	105	105	105	105	_	_	105*	105*	295	EPR	8	9	S312GF02C8AC9
	7/64	.25	0	80	80	80	80	_	_	80*	80*	295	EPR	8	9	S312GF02C8AD3
	1/8	.30	0	60	60	60	60	_	_	60*	60*	295	EPR	8	9	S312GF02C8AD5
	5/32	.43	0	45	45	45	45	_	_	45*	45*	295	EPR	8	9	S312GF02C8AD7
	3/16		0	30	30	30	30	_	_	30*	30*	295	EPR	8	9	S312GF02C8AE1
	1/32	.03	0	2000	2000	2000	2000	2000	2000	_		180	Nitrile	8	9	S312GF02N8AC1
	3/64	.05	0	350	350	350	350	350	350	_		180	Nitrile	8	9	S312GF02N8AC3
	1/16	.10	0	200	200	200	200	200	200	_	l	180	Nitrile	8	9	S312GF02N8AC5
	5/64	.15	0	140	140	140	140	140	140	_	l	180	Nitrile	8	9	S312GF02N8AC7
1/8	3/32	.20	0	105	105	105	105	105	105	_	l	180	Nitrile	8	9	S312GF02N8AC9
	7/64	.25	0	80	80	80	80	80	80	_	l	180	Nitrile	8	9	S312GF02N8AD3
	1/8	.30	0	60	60	60	60	60	60	_	l	180	Nitrile	8	9	S312GF02N8AD5
	5/32	.43	0	45	45	45	45	45	45	_		180	Nitrile	8	9	S312GF02N8AD7
	3/16	.65	0	30	30	30	30	30	30	_		180	Nitrile	8	9	S312GF02N8AE1
	1/32	.03	0	2000	2000	2000	2000	2000	2000	_	_	230	Viton	8	9	S312GF02V8AC1
	3/64	.05	0	350	350	350	350	350	350	_		230	Viton	8	9	S312GF02V8AC3
	1/16	.10	0	200	200	200	200	200	200	_		230	Viton	8	9	S312GF02V8AC5
	5/64	.15	0	140	140	140	140	140	140	_	_	230	Viton	8	9	S312GF02V8AC7
1/8	3/32	.20	0	105	105	105	105	105	105	_		230	Viton	8	9	S312GF02V8AC9
	7/64	.25	0	80	80	80	80	80	80	_	_	230	Viton	8	9	S312GF02V8AD3
	1/8	.30	0	60	60	60	60	60	60	_	_	230	Viton	8	9	S312GF02V8AD5
	5/32	.43	0	45	45	45	45	45	45	_	_	230	Viton	8	9	S312GF02V8AD7
	3/16	.65	0	30	30	30	30	30	30	_		230	Viton	8	9	S312GF02V8AE1

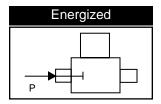
^{*} Class H Coil Recommended for Steam and Other High Temperature Applications

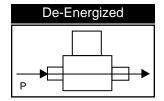
S312 – 1/8" NPT, Brass Body, Normally Open



Valve Selection List







	Size		(Opera	ating	Pres	sure	Diffe	rentia	al (ps	i)	р.		Power		Model Code
Size			_				Maxi	mum				ax Tem	erial		mption	(120V/60HZ — 110V/50HZ)
Pipe	Orifice		Minimum	Air/	Gas	Wa	ater	Ligh	t Oil	Ste	am*	Max Fluid Temp.	Seal Material	(Wa	atts)	Shown
NPT	in.	C _v	Min	AC	DC	AC	DC	AC	DC	AC	DC	°F	Se	AC	DC	Brass Body
	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Rulon	8	9	S312GF02R8AC1
	3/64	.05	0	350	350	350	350	350	350	150*	150*	366	Rulon	8	9	S312GF02R8AC3
	1/16	.10	0	200	200	200	200	200	200	150*	150*	366	Rulon	8	9	S312GF02R8AC5
4.0	5/64	.15	0	140	140	140	140	140	140	140*	140*	366	Rulon	8	9	S312GF02R8AC7
1/8	3/32	.20	0	105	105	105	105	105	105	105*	105*	366	Rulon	8	9	S312GF02R8AC9
	7/64	.25	0	80	80	80	80	80	80	80*	80*	366	Rulon	8	9	S312GF02R8AD3
	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Rulon	8	9	S312GF02R8AD5
	5/32	.43	0	45	45	45	45	45	45	45*	45*	366	Rulon	8	9	S312GF02R8AD7
	3/16	.65	0	30	30	30	30	30	30	30*	30*	366	Rulon	8	9	S312GF02R8AE1
	1/32	.03	0	2000	2000	2000	2000	2000	2000	150*	150*	366	Teflon	8	9	S312GF02T8AC1
	3/64	.05	0	350	350	350	350	350	350	150*	150*	366	Teflon	8	9	S312GF02T8AC3
	1/16	.10	0	200	200	200	200	200	200	150*	150*	366	Teflon	8	9	S312GF02T8AC5
4./0	5/64	.15	0	140	140	140	140	140	140	140*	140*	366	Teflon	8	9	S312GF02T8AC7
1/8	3/32	.22	0	105	105	105	105	105	105	105*	105*	366	Teflon	8	9	S312GF02T8AC9
	7/64	.25	0	80	80	80	80	80	80	80*	80*	366	Teflon	8	9	S312GF02T8AD3
	1/8	.30	0	60	60	60	60	60	60	60*	60*	366	Teflon	8	9	S312GF02T8AD5
	5/32	32 .43		45	45	45	45	45	45	45*	45*	366	Teflon	8	9	S312GF02T8AD7
	3/16	.65	0	30	30	30	30	30	30	30*	30*	366	Teflon	8	9	S312GF02T8AE1

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



S312 – 1/8" 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	8	Α	C 1		
	Series		Operating Mode	Housing*	Coil Class*	Voltage*	Seal Material	Body Material	Pipe Connection	Orifice Size		
	S31		2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50	C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	8: Brass	A: 1/8" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C9: 3/32" D5: 1/8" E1: 3/16"		
			* See the "Engineering Guide" for additional voltages, variations and options.									

Coi	l Fa	amı	ly

Type	Size
All	S3

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

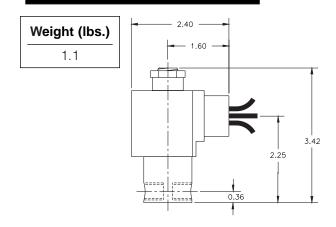


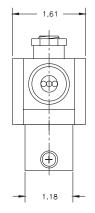
1/8" NPT Brass Body 2-Way Direct Acting Normally Open

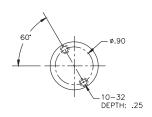


Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact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

^{*} Not available for all variations





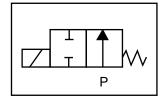


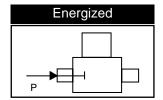
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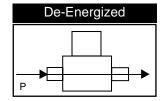


S302 – 1/8" NPT, Brass Body, Normally Open

Valve Selection List







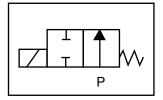
Φ	Size		(Opera	ating	Pres	sure	Diffe	rentia	al (psi	i)	υþ.		Po	wer	Model Code	
Size	Θ O		_				Maxi	mum	1			E _{la}	eris	Consu	mption	(120V/60HZ — 110V/50HZ) Shown	
Pipe	Orifice		Minimum	Air/	Gas	Wa	ater	Ligh	t Oil	Ste	am*	Max Fluid Temp.	Seal Material	(Wa	atts)		
NPT	in.	C _V	Min	AC	DC	AC	DC	AC	DC	AC	DC	°F	Se	AC	DC	Brass Body	
	1/32	.03	0	2400	2400	2400	2400	_	_	150*	150*	295	EPR	11	10	S302GF02C8AC1	
	3/64	.05	0	600	600	600	600	_	_	150*	150*	295	EPR	11	10	S302GF02C8AC3	
	1/16	.10	0	325	325	325	325	_	_	150*	150*	295	EPR	11	10	S302GF02C8AC5	
4 /0	5/64	.15	0	235	235	235	235	_	_	150*	150*	295	EPR	11	10	S302GF02C8AC7	
1/8	3/32	.20	0	150	150	150	150	_	_	150*	150*	295	EPR	11	10	S302GF02C8AC9	
	7/64	.25	0	125	125	125	125	_	_	125*	125*	295	EPR	11	10	S302GF02C8AD3	
	1/8	.30	0	100	100	100	100	_	_	100*	100*	295	EPR	11	10	S302GF02C8AD5	
	5/32	.43	0	60	60	60	60	_	_	60*	60*	295	EPR	11	10	S302GF02C8AD7	
	3/16	.65	0	40	40	40	40	_	_	40*	40*	295	EPR	11	10	S302GF02C8AE1	
	1/32	.03	0	2400	2400	2400	2400	2400	2400	_	_	180	Nitrile	11	10	S302GF02N8AC1	
	3/64	.05	0	600	600	600	600	600	600		_	180	Nitrile	11	10	S302GF02N8AC3	
	1/16	.10	0	325	325	325	325	325	325		_	180	Nitrile	11	10	S302GF02N8AC5	
4 (0	5/64	.15	0	235	235	235	235	235	235	_	_	180	Nitrile	11	10	S302GF02N8AC7	
1/8	3/32	.20	0	150	150	150	150	150	150		_	180	Nitrile	11	10	S302GF02N8AC9	
	7/64	.25	0	125	125	125	125	125	125	_	_	180	Nitrile	11	10	S302GF02N8AD3	
	1/8	.30	0	100	100	100	100	100	100	_	_	180	Nitrile	11	10	S302GF02N8AD5	
	5/32	.43	0	60	60	60	60	60	60		_	180	Nitrile	11	10	S302GF02N8AD7	
	3/16	.65	0	40	40	40	40	40	40		_	180	Nitrile	11	10	S302GF02N8AE1	
	1/32	.03	0	2400	2400	2400	2400	2400	2400	_	_	230	Viton	11	10	S302GF02V8AC1	
	3/64	.05	0	600	600	600	600	600	600	_	_	230	Viton	11	10	S302GF02V8AC3	
	1/16	.10	0	325	325	325	325	325	325	_	_	230	Viton	11	10	S302GF02V8AC5	
4/0	5/64	.15	0	235	235	235	235	235	235	_	_	230	Viton	11	10	S302GF02V8AC7	
1/8	3/32	.20	0	150	150	150	150	150	150	_	_	230	Viton	11	10	S302GF02V8AC9	
	7/64	.25	0	125	125	125	125	125	125	_		230	Viton	11	10	S302GF02V8AD3	
	1/8	.30	0	100	100	100	100	100	100	_		230	Viton	11	10	S302GF02V8AD5	
	5/32	.43	0	60	60	60	60	60	60	_	_	230	Viton	11	10	S302GF02V8AD7	
	3/16 .65			40	40	40	40	40	40		_	230	Viton	11	10	S302GF02V8AE1	

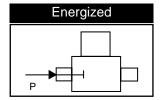
^{*} Class H Coil Recommended for Steam and Other High Temperature Applications

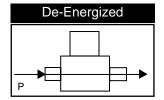
S302 – 1/8" NPT, Brass Body, Normally Open



Valve Selection List







0	Size		(Opera	ating	Pres	sure	Diffe	rentia	al (ps	i)	Ģ.	_	Po	wer	Model Code	
Size							Maxi	mum	l			EL Leu	eria		mption	(120V/60HZ — 110V/50HZ)	
Pipe	Orifice		Minimum	Air/Gas		Water		Light Oil		Steam*		Max Fluid Temp.	Seal Material	(Watts)		Shown	
NPT	in.	C _v	Min	AC DC		AC	DC	AC	DC	AC	DC	°F	Sei	AC	DC	Brass Body	
	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Rulon	11	10	S302GF02R8AC1	
	3/64	.05	0	600	600	600	600	600	600	150*	150*	366	Rulon	11	10	S302GF02R8AC3	
	1/16	.10	0	325	325	325	325	325	325	150*	150*	366	Rulon	11	10	S302GF02R8AC5	
4 /0	7/64	.15	0	235	235	235	235	235	235	150*	150*	366	Rulon	11	10	S302GF02R8AC7	
1/8	3/32	.20	0	150	150	150	150	150	150	150*	150*	366	Rulon	11	10	S302GF02R8AC9	
	7/64	.25	0	125	125	125	125	125	125	125*	125*	366	Rulon	11	10	S302GF02R8AD3	
	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Rulon	11	10	S302GF02R8AD5	
	5/32	.43	0	60	60	60	60	60	60	60*	60*	366	Rulon	11	10	S302GF02R8AD7	
	3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Rulon	11	10	S302GF02R8AE1	
	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Teflon	11	10	S302GF02T8AC1	
	3/64	.05	0	600	600	600	600	600	600	150*	150*	366	Teflon	11	10	S302GF02T8AC3	
	1/16	.10	0	325	325	325	325	325	325	150*	150*	366	Teflon	11	10	S302GF02T8AC5	
4./0	5/64	.15	0	235	235	235	235	235	235	150*	150*	366	Teflon	11	10	S302GF02T8AC7	
1/8	3/32	.20	0	150	150	150	150	150	150	150*	150*	366	Teflon	11	10	S302GF02T8AC9	
	7/64	.25	0	125	125	125	125	125	125	125*	125*	366	Teflon	11	10	S302GF02T8AD3	
	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Teflon	11	10	S302GF02T8AD5	
	5/32	.43	0	60	60	60	60	60	60	60*	60*	366	Teflon	11	10	S302GF02T8AD7	
	3/16 .	.65	0	40	40	40	40	40	40	40*	40*	366	Teflon	11	10	S302GF02T8AE1	

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



S302 – 1/8" 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	8	A	C 1		
	Series		Operating Mode	Housing*	Coil Class*	Voltage*	Seal Material	Body Material	Pipe Connection	Orifice Size		
	S30		2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50	C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	8: Brass	A: 1/8" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C9: 3/32" D5: 1/8" E1: 3/16"		
			* See the "Engineering Guide" for additional voltages, variations and options.									

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(, VII	-	\sim 1	۱ ١ /
Coil	Гаі	111	ıv
			.,

Туре	Size
All	S4

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

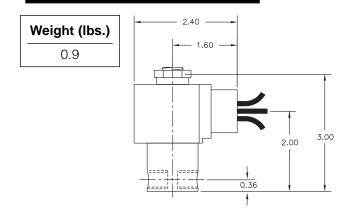


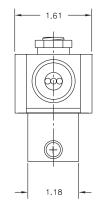
1/8" NPT Stainless Steel 2-Way Direct Acting Normally Open

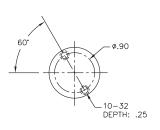


Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact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

^{*} Not available for all variations







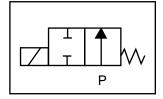
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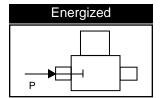


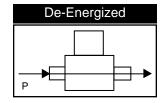
S312 – 1/8" NPT, Stainless Steel Body, Normally Open

Valve Selection List

Normally Open







0	Size			Opera	ating	Pres	sure	Diffe	rentia	al (ps	i)	.dı	_	Po	wer	Model Code
Size	S						Maxi	mum				<u>Te</u>	eria		mption	(120V/60HZ — 110V/50HZ)
Pipe	Orifice		unu	Air/	Gas	Wa	ater	Ligh	t Oil	Ste	am*	Max Fluid Temp.	Seal Material	(Wa	atts)	Shown
NPT	in.	C _V	Minimum	AC	DC	AC	DC	AC	DC	AC	DC	°F	Seal	AC	DC	Stainless Steel Body
	1/32	.03	0	2000	2000	2000	2000	_		150*	150*	295	EPR	8	9	S312GF02C2AC1
	3/64	.05	0	350	350		350	_	_	150*	150*	295	EPR	8	9	S312GF02C2AC3
	1/16	.10	0	200	200	200		_		150*	150*	295	EPR	8	9	S312GF02C2AC5
1/8	5/64	.15	0	140	140	140	140	_	_	140*	140*	295	EPR	8	9	S312GF02C2AC7
1/0	3/32	.22	0	105	105	105	105	_	_	105*	105*	295	EPR	8	9	S312GF02C2AC9
	7/64	.25	0	80	80	80	80	_		80*	80*	295	EPR	8	9	S312GF02C2AD3
	1/8	.30	0	60	60	60	60	_		60*	60*	295	EPR	8	9	S312GF02C2AD5
	3/16	.65	0	30	30	30	30	_	_	30*	30*	295	EPR	8	9	S312GF02C2AE1
	1/32	.03	0				2000	_		_	_	180	Nitrile	8	9	S312GF02N2AC1
	3/64	.05	0	350	350				350	_	_	180	Nitrile	8	9	S312GF02N2AC3
	1/16	.10	0						200	_	_	180	Nitrile	8	9	S312GF02N2AC5
1/8	5/64	.15	0	140	140		140		140	_	_	180	Nitrile	8	9	S312GF02N2AC7
., 0	3/32	.22	0	105	105		105	105	105	_	_	180	Nitrile	8	9	S312GF02N2AC9
	7/64	.25	0	80	80	80	80	80	80	_	_	180	Nitrile	8	9	S312GF02N2AD3
	1/8	.30	0	60	60	60	60	60	60	_	_	180	Nitrile	8	9	S312GF02N2AD5
	3/16	.65	0	30	30	30	30	30	30	_	_	180	Nitrile	8	9	S312GF02N2AE1
	1/32	.03	0			2000			2000	_	_	230	Viton	8	9	S312GF02V2AC1
	3/64	.05	0	350	350			350	350	_	_	230	Viton	8	9	S312GF02V2AC3
	1/16	.10	0			200			200	_	_	230	Viton	8	9	S312GF02V2AC5
1/8	5/64	.15	0	140			140		140	_	_	230	Viton	8	9	S312GF02V2AC7
	3/32	.22	0	105	105		105	105	105	_	_	230	Viton	8	9	S312GF02V2AC9
	7/64	.25	0	80	80	80	80	80	80	_	_	230	Viton	8	9	S312GF02V2AD3
	1/8	.30	0	60	60	60	60	60	60	_	_	230	Viton	8	9	S312GF02V2AD5
	3/16	.65	0	30	30	30	30	30	30			230	Viton	8	9	S312GF02V2AE1
	1/32	.03	0			2000					150*	366	Rulon	8	9	S312GF02R2AC1
	3/64	.05	0	350	350			350			150*	366	Rulon	8	9	S312GF02R2AC3
	1/16	.10	0						200		150*	366	Rulon	8	9	S312GF02R2AC5
1/8	5/64	.15	0	140			140	140	140		150*	366	Rulon	8	9	S312GF02R2AC7
	3/32	.22	0	105	105		105	105	105		150*	366	Rulon	8	9	S312GF02R2AC9
	7/64	.25	0	40	40	40	40	40	40	40*	40*	366	Rulon	8	9	S312GF02R2AD3
	1/8	.30	0	60 30	60 30	60 30	60 30	60 30	60 30	60* 30*	60* 30*	366 366	Rulon	8	9	S312GF02R2AD5
	3/16 1/32	.03	0			2000					30 150*	366	Rulon Teflon	8	9	S312GF02R2AE1 S312GF02T2AC1
		_												-	-	
	3/64 1/16	.05	0			600 200						366 366	Teflon Teflon	8	9	S312GF02T2AC3 S312GF02T2AC5
	5/64	.10	0			140						366	Teflon			S312GF02T2AC5 S312GF02T2AC7
1/8	3/32	.15	0			105				150*		366	Teflon	8 g	9	S312GF02T2AC7 S312GF02T2AC9
	7/64	.25		1										8		
	1/8	.25	0	80	80	80	80	80	80		80 60*	366 366	Teflon Teflon	8	9	S312GF02T2AD3 S312GF02T2AD5
	3/16	.65	0	30	30	60 30	60 30	60 30	60 30	60* 30*	60* 30*	366	Teflon	8	9	S312GF02T2AD5 S312GF02T2AE1
	3/10	.03	U	30	30	30	30	30	30	30	30	300	1611011	0	Э	SSIZGFUZIZAEI

* 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)

S312 – 1/8" 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	V	2	Α	C 1
	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	C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	2: Stainless Steel	A: 1/8" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C9: 3/32" D5: 1/8" E1: 3/16"
			* Se	e the "Engine I	eering Guide L	" for additional v	oltages, vari I	ations and op I	itions.	

Coil Family									
Type	Size								
All	S3								

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

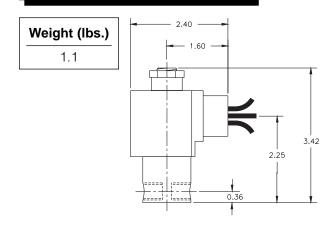


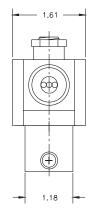
1/8" NPT Stainless Steel Body 2-Way Direct Acting Normally Open

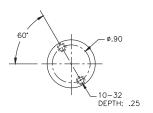


Materials	Seals:	Nitrile, Viton®, Ethylene Propylene, Teflon®, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact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

^{*} Not available for all variations





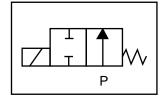


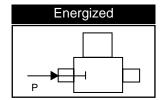
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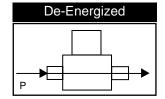


S302 – 1/8" NPT, Stainless Steel Body, Normally Open

Valve Selection List







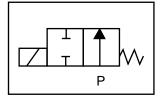
92	Size		(Opera	ating					al (psi	i)	mp.	a	Po	wer	Model Code
Pipe Size	Orifice (Minimum	Air/	Gas		Maxi ater		t Oil	Ste	am*	Max Fluid Temp.	Seal Material		mption atts)	(120V/60HZ — 110V/50HZ) Shown
NPT	in.	C _v	Mini	AC	DC	AC	DC	AC	DC	AC	DC	°F	Sea	AC	DC	Stainless Steel Body
	1/32	.03	0	2400	2400	2400	2400	_	_	150*	150*	295	EPR	11	10	S302GF02C2AC1
	3/64	.05	0	600	600	600	600	_	_	150*	150*	295	EPR	11	10	S302GF02C2AC3
	1/16	.10	0	325	325	325	325	_	_	150*	150*	295	EPR	11	10	S302GF02C2AC5
4 /0	5/64	.15	0	235	235	2235	235	_	_	150*	150*	295	EPR	11	10	S302GF02C2AC7
1/8	3/32	.20	0	150	150	150	150	_	_	150*	150*	295	EPR	11	10	S302GF02C2AC9
	7/64	.25	0	125	125	125	125	_	_	125*	125*	295	EPR	11	10	S302GF02C2AD3
	1/8	.30	0	100	100	100	100	_	_	100*	100*	295	EPR	11	10	S302GF02C2AD5
	5/32	.43	0	60	60	60	60	_	_	60*	60*	295	EPR	11	10	S302GF02C2AD7
	3/16	.65	0	40	40	40	40	_	_	40*	40*	295	EPR	11	10	S302GF02C2AE1
	1/32	.03	0	2400	2400	2400	2400	2400	2400	_		180	Nitrile	11	10	S302GF02N2AC1
	3/64	.05	0	600	600	600	600	600	600	_	_	180	Nitrile	11	10	S302GF02N2AC3
	1/16	.10	0	325	325	325	325	325	325	_		180	Nitrile	11	10	S302GF02N2AC5
4 /0	5/64	.15	0	235	235	235	235	235	235	_		180	Nitrile	11	10	S302GF02N2AC7
1/8	3/32	.20	0	150	150	150	150	150	150	_		180	Nitrile	11	10	S302GF02N2AC9
	7/64	.25	0	125	125	125	125	125	125	_		180	Nitrile	11	10	S302GF02N2AD3
	1/8	.30	0	100	100	100	100	100	100	_		180	Nitrile	11	10	S302GF02N2AD5
	5/32	.43	0	60	60	60	60	60	60	_		180	Nitrile	11	10	S302GF02N2AD7
	3/16	.65	0	40	40	40	40	40	40	_		180	Nitrile	11	10	S302GF02N2AE1
	1/32	.03	0	2400	2400	2400	2400	2400	2400	_	_	230	Viton	11	10	S302GF02V2AC1
	3/64	.05	0	600	600	600	600	600	600	_		230	Viton	11	10	S302GF02V2AC3
	1/16	.10	0	325	325	325	325	325	325	_		230	Viton	11	10	S302GF02V2AC5
4 /0	5/64	.15	0	235	235	235	235	235	235	_		230	Viton	11	10	S302GF02V2AC7
1/8	3/32	.20	0	150	150	150	150	150	150	_		230	Viton	11	10	S302GF02V2AC9
	7/64	.25	0	125	125	125	125	125	125	_		230	Viton	11	10	S302GF02V2AD3
	1/8	.30	0	100	100	100	100	100	100	_		230	Viton	11	10	S302GF02V2AD5
	5/32	.43	0	60	60	60	60	60	60	_		230	Viton	11	10	S302GF02V2AD7
	3/16	.65	0	40	40	40	40	40	40	_		230	Viton	11	10	S302GF02V2AE1

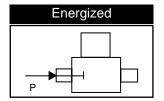
^{*} Class H Coil Recommended for Steam and Other High Temperature Applications

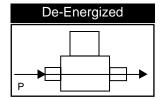
S302 – 1/8" NPT, Stainless Steel Body, Normally Open



Valve Selection List







0	Size		(Opera	ating	Pres	sure	Diffe	rentia	al (ps	i)	Ģ.	_	Po	wer	Model Code
Size							Maxi	mum				ax Tem	eria		mption	(120V/60HZ — 110V/50HZ)
Pipe	Orifice		Minimum	Air/	Gas	Wa	ater	Ligh	t Oil	Ste	am*	Max Fluid Temp.	Seal Material	(Wa	atts)	Shown Shown
NPT	in.	C _v	Min	AC	DC	AC	DC	AC	DC	AC	DC	°F	Sei	AC	DC	Stainless Steel Body
	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Rulon	11	10	S302GF02R2AC1
	3/64	.05	0	600	600	600	600	600	600	150*	150*	366	Rulon	11	10	S302GF02R2AC3
	1/16	.10	0	325	325	325	325	325	325	150*	150*	366	Rulon	11	10	S302GF02R2AC5
4 /0	7/64	.15	0	235	235	235	235	235	235	150*	150*	366	Rulon	11	10	S302GF02R2AC7
1/8	3/32	.20	0	150	150	150	150	150	150	150*	150*	366	Rulon	11	10	S302GF02R2AC9
	7/64	.25	0	125	125	125	125	125	125	125*	125*	366	Rulon	11	10	S302GF02R2AD3
	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Rulon	11	10	S302GF02R2AD5
	5/32	.43	0	60	60	60	60	60	60	60*	60*	366	Rulon	11	10	S302GF02R2AD7
	3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Rulon	11	10	S302GF02R2AE1
'	1/32	.03	0	2400	2400	2400	2400	2400	2400	150*	150*	366	Teflon	11	10	S302GF02T2AC1
	3/64	.05	0	600	600	600	600	600	600	150*	150*	366	Teflon	11	10	S302GF02T2AC3
	1/16	.10	0	325	325	325	325	325	325	150*	150*	366	Teflon	11	10	S302GF02T2AC5
4.10	5/64	.15	0	235	235	235	235	235	235	150*	150*	366	Teflon	11	10	S302GF02T2AC7
1/8	3/32	.20	0	150	150	150	150	150	150	150*	150*	366	Teflon	11	10	S302GF02T2AC9
	7/64	.25	0	125	125	125	125	125	125	125*	125*	366	Teflon	11	10	S302GF02T2AD3
	1/8	.30	0	100	100	100	100	100	100	100*	100*	366	Teflon	11	10	S302GF02T2AD5
	5/32	.43	0	60	60	60	60	60	60	60*	60*	366	Teflon	11	10	S302GF02T2AD7
	3/16	.65	0	40	40	40	40	40	40	40*	40*	366	Teflon	11	10	S302GF02T2AE1

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



S302 – 1/8" 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	2	Α	C 1
	Series		Operating Mode	Housing*	Coil Class*	Voltage*	Seal Material	Body Material	Pipe Connection	Orifice Size
	S30		2: Normally Open	G: Conduit	F: Class F H: Class H	02: 120/60 110/50	C: EPR N: Nitrile V: Viton R: Rulon T: Teflon	2: Stainless Steel	A: 1/8" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C9: 3/32" D5: 1/8" E1: 3/16"
			* Se	e the "Engine L	eering Guide	" for additional \	oltages, vari I	ations and op I	itions.	

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		,

Type	Size
All	S4

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