

S31 Series



- 1/4" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Closed



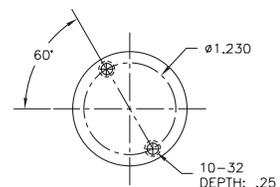
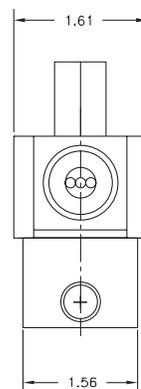
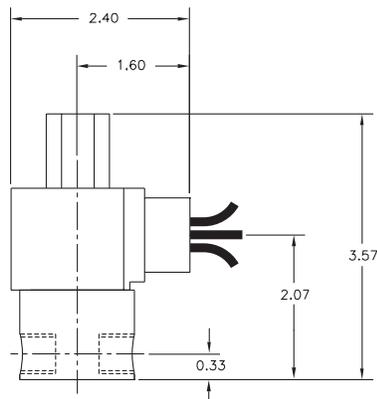
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices: Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual 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° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

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Dimensions/Weight

Weight (lbs.)
1.2



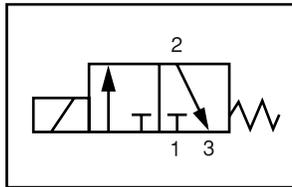
GC Valves Customer Service: 800-828-0484 (7:30am to 4pm ET) or 800-582-4232 (7:30am to 4pm PT)



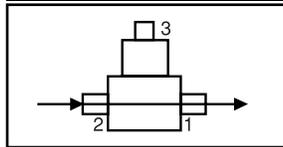
S313 – 1/4" NPT, Brass Body, Normally Closed

Valve Selection List

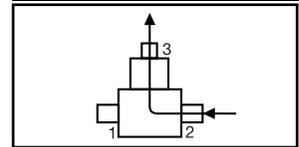
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C _v		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)	
	Main	Top	Main	Top	Maximum			AC	DC	AC			DC	AC		DC
					Air/Gas	Water	Light Oil									
	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC			Brass Body			
1/4	3/64	1/16	.05	.10	170	170	170	170	—	—	295	EPR	8	9	S313GF02C8BV1	
	1/16	1/16	.08	.10	120	120	120	120	—	—	295	EPR	8	9	S313GF02C8BC5	
	3/32	3/32	.20	.20	65	65	65	65	—	—	295	EPR	8	9	S313GF02C8BC9	
	1/8	3/32	.27	.20	40	40	40	40	—	—	295	EPR	8	9	S313GF02C8BV3	
	5/32	3/32	.41	.20	25	25	25	25	—	—	295	EPR	8	9	S313GF02C8BV7	
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	180	Nitrile	8	9	S313GF02N8BV1	
	1/16	1/16	.08	.10	120	120	120	120	120	120	180	Nitrile	8	9	S313GF02N8BC5	
	3/32	3/32	.20	.20	65	65	65	65	65	65	180	Nitrile	8	9	S313GF02N8BC9	
	1/8	3/32	.27	.20	40	40	40	40	40	40	180	Nitrile	8	9	S313GF02N8BV3	
	5/32	3/32	.41	.20	25	25	25	25	25	25	180	Nitrile	8	9	S313GF02N8BV7	
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	230	Viton	8	9	S313GF02V8BV1	
	1/16	1/16	.08	.10	120	120	120	120	120	120	230	Viton	8	9	S313GF02V8BC5	
	3/32	3/32	.20	.20	65	65	65	65	65	65	230	Viton	8	9	S313GF02V8BC9	
	1/8	3/32	.27	.20	40	40	40	40	40	40	230	Viton	8	9	S313GF02V8BV3	
	5/32	3/32	.41	.20	25	25	25	25	25	25	230	Viton	8	9	S313GF02V8BV7	
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	366*	Teflon	8	9	S313GF02T8BV1	
	1/16	1/16	.08	.10	120	120	120	120	120	120	366*	Teflon	8	9	S313GF02T8BC5	
	3/32	3/32	.20	.20	65	65	65	65	65	65	366*	Teflon	8	9	S313GF02T8BC9	
	1/8	3/32	.27	.20	40	40	40	40	40	40	366*	Teflon	8	9	S313GF02T8BV3	
	5/32	3/32	.41	.20	25	25	25	25	25	25	366*	Teflon	8	9	S313GF02T8BV7	

* Class H Coil Recommended for High Temperature Applications

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

S313 – 1/4" NPT, Brass Body, Normally Closed



Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
S	3	1	3	G	F	0	2	C	8	B	V	1
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

S31 Series



- 1/4" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Closed
- Free Exhaust

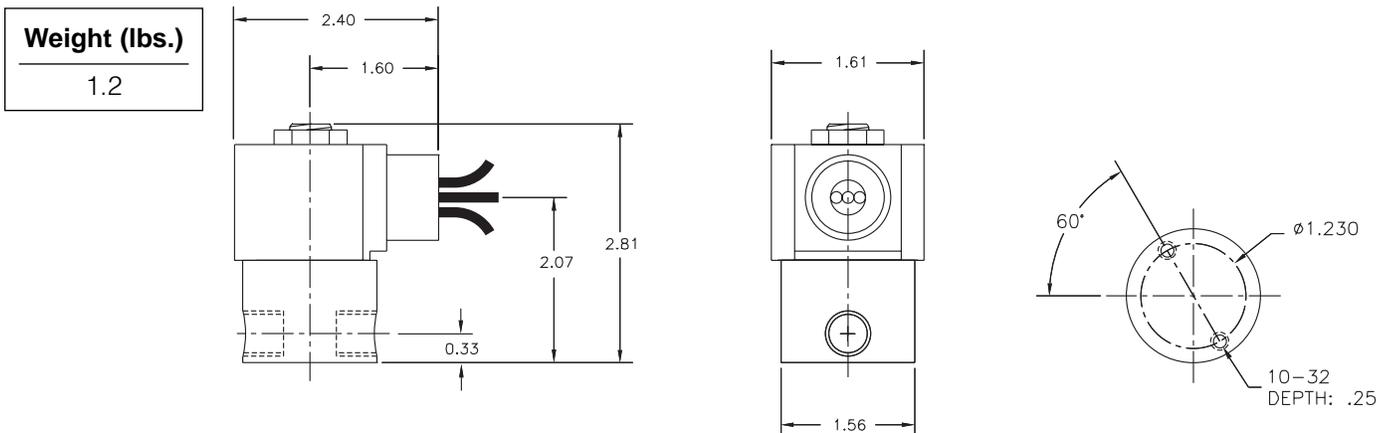


Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices: Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual 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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Dimensions/Weight



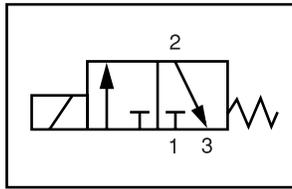
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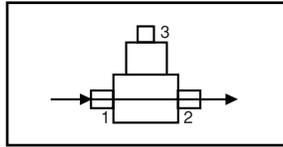
S317 – 1/4" NPT, Brass Body, Normally Closed, Free Exhaust

Valve Selection List

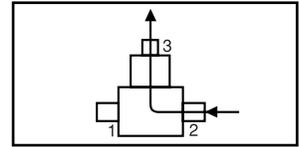
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C _v		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC			Brass Body		
1/4	3/64	1/16	.05	.10	170	170	170	170	—	—	295	EPR	8	9	S317GF02C8BV1
	1/16	1/16	.08	.10	120	120	120	120	—	—	295	EPR	8	9	S317GF02C8BC5
	3/32	3/32	.20	.20	65	65	65	65	—	—	295	EPR	8	9	S317GF02C8BC9
	1/8	3/32	.27	.20	40	40	40	40	—	—	295	EPR	8	9	S317GF02C8BV3
	5/32	3/32	.41	.20	25	25	25	25	—	—	295	EPR	8	9	S317GF02C8BV7
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	180	Nitrile	8	9	S317GF02N8BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	180	Nitrile	8	9	S317GF02N8BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	180	Nitrile	8	9	S317GF02N8BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	180	Nitrile	8	9	S317GF02N8BV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	180	Nitrile	8	9	S317GF02N8BV9
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	230	Viton	8	9	S317GF02V8BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	230	Viton	8	9	S317GF02V8BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	230	Viton	8	9	S317GF02V8BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	230	Viton	8	9	S317GF02V8BV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	230	Viton	8	9	S317GF02V8BV7
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	366*	Teflon	8	9	S317GF02T8BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	366*	Teflon	8	9	S317GF02T8BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	366*	Teflon	8	9	S317GF02T8BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	366*	Teflon	8	9	S317GF02T8BV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	366*	Teflon	8	9	S317GF02T8BV7x

* Class H Coil Recommended for High Temperature Applications

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

S317 – 1/4" NPT, Brass Body, Normally Closed, Free Exhaust



Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
S	3	1	7	G	F	0	2	T	8	B	V	1
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			7: Normally Closed (Free Exhaust)	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

S30 Series



- 1/4" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Closed



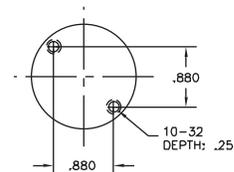
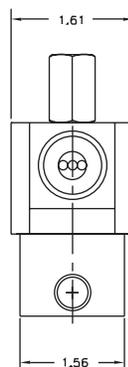
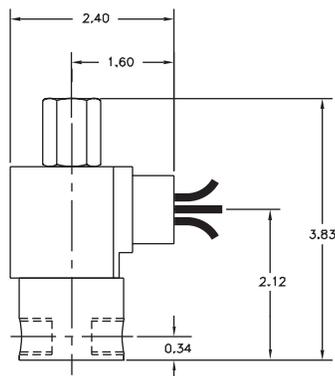
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices: Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual 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° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

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Dimensions/Weight

Weight (lbs.)
1.2



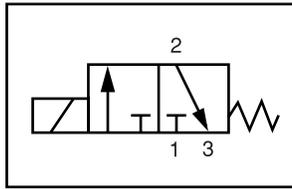
GC Valves Customer Service: 800-828-0484 (7:30am to 4pm ET) or 800-582-4232 (7:30am to 4pm PT)



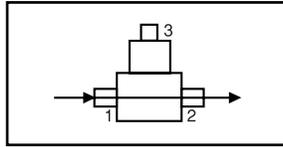
S303 – 1/4" NPT, Brass Body, Normally Closed

Valve Selection List

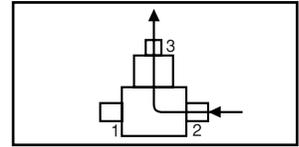
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C _v		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
	Main	Top	Main	Top	Maximum					AC			DC		
					AC	DC	AC	DC	AC					DC	Brass Body
1/4	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S303GF02C8BV1
	1/16	1/16	.08	.10	150	150	150	150	—	—	295	EPR	10	10	S303GF02C8BC5
	3/32	3/32	.18	.23	100	100	100	100	—	—	295	EPR	10	10	S303GF02C8BC9
	1/8	3/32	.30	.23	75	75	75	75	—	—	295	EPR	10	10	S303GF02C8BV3
	5/32	3/32	.41	.23	50	50	50	50	—	—	295	EPR	10	10	S303GF02C8BV7
	3/16	3/32	.53	.23	30	30	30	30	—	—	295	EPR	10	10	S303GF02C8BV9
	1/4	3/32	.83	.23	15	15	15	15	—	—	295	EPR	10	10	S303GF02C8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S303GF02N8BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	180	Nitrile	10	10	S303GF02N8BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	180	Nitrile	10	10	S303GF02N8BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	180	Nitrile	10	10	S303GF02N8BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	180	Nitrile	10	10	S303GF02N8BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	180	Nitrile	10	10	S303GF02N8BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	180	Nitrile	10	10	S303GF02N8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S303GF02V8BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	230	Viton	10	10	S303GF02V8BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	230	Viton	10	10	S303GF02V8BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	230	Viton	10	10	S303GF02V8BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	230	Viton	10	10	S303GF02V8BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	230	Viton	10	10	S303GF02V8BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	230	Viton	10	10	S303GF02V8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S303GF02T8BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	366*	Teflon	10	10	S303GF02T8BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	366*	Teflon	10	10	S303GF02T8BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	366*	Teflon	10	10	S303GF02T8BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	366*	Teflon	10	10	S303GF02T8BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	366*	Teflon	10	10	S303GF02T8BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	366*	Teflon	10	10	S303GF02T8BW1

* Class H Coil Recommended for High Temperature Applications

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

S303 – 1/4" NPT, Brass Body, Normally Closed



Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
S	3	0	3	G	F	0	2	C	8	B	V	1
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

S30 Series



- 1/4" NPT
- Brass Body
- 3-Way Direct Acting
- Normally Closed
- Free Exhaust



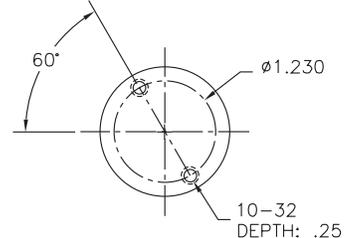
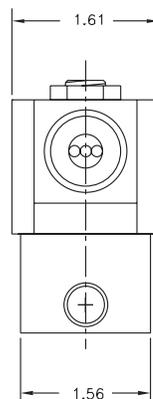
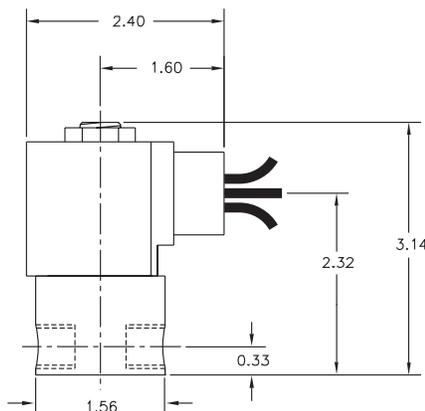
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices: Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual 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° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

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Dimensions/Weight

Weight (lbs.)
1.2



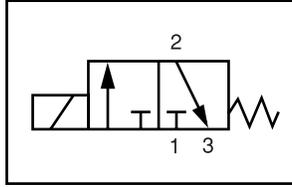
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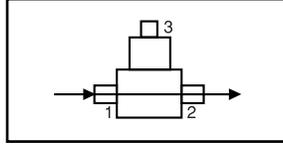
S307 – 1/4" NPT, Brass Body, Normally Closed, Free Exhaust

Valve Selection List

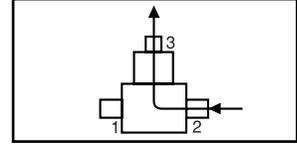
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C _v		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
	AC	DC	AC	DC	AC	DC									
1/4	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S307GF02C8BV1
	1/16	1/16	.08	.10	150	150	150	150	—	—	295	EPR	10	10	S307GF02C8BC5
	3/32	3/32	.18	.23	100	100	100	100	—	—	295	EPR	10	10	S307GF02C8BC9
	1/8	3/32	.30	.23	75	75	75	75	—	—	295	EPR	10	10	S307GF02C8BV3
	5/32	3/32	.41	.23	50	50	50	50	—	—	295	EPR	10	10	S307GF02C8BV7
	3/16	3/32	.53	.23	30	30	30	30	—	—	295	EPR	10	10	S307GF02C8BV9
	1/4	3/32	.83	.23	15	15	15	15	—	—	295	EPR	10	10	S307GF02C8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S307GF02N8BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	180	Nitrile	10	10	S307GF02N8BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	180	Nitrile	10	10	S307GF02N8BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	180	Nitrile	10	10	S307GF02N8BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	180	Nitrile	10	10	S307GF02N8BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	180	Nitrile	10	10	S307GF02N8BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	180	Nitrile	10	10	S307GF02N8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S307GF02V8BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	230	Viton	10	10	S307GF02V8BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	230	Viton	10	10	S307GF02V8BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	230	Viton	10	10	S307GF02V8BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	230	Viton	10	10	S307GF02V8BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	230	Viton	10	10	S307GF02V8BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	230	Viton	10	10	S307GF02V8BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S307GF02T8BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	366*	Teflon	10	10	S307GF02T8BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	366*	Teflon	10	10	S307GF02T8BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	366*	Teflon	10	10	S307GF02T8BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	366*	Teflon	10	10	S307GF02T8BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	366*	Teflon	10	10	S307GF02T8BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	366*	Teflon	10	10	S307GF02T8BW1

* Class H Coil Recommended for High Temperature Applications

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

S307 – 1/4" NPT, Brass Body, Normally Closed, Free Exhaust



1	2	3	4	5	6	7	8	9	10	11	12	13
S	3	0	7	G	F	0	2	C	8	B	V	1
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			7: Normally Closed (Free Exhaust)	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- **1/4" NPT**
- **Brass Body**
- **3-Way Direct Acting**
- **Normally Closed**



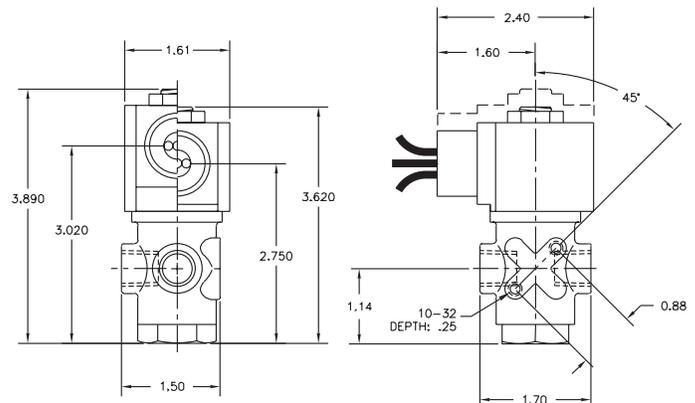
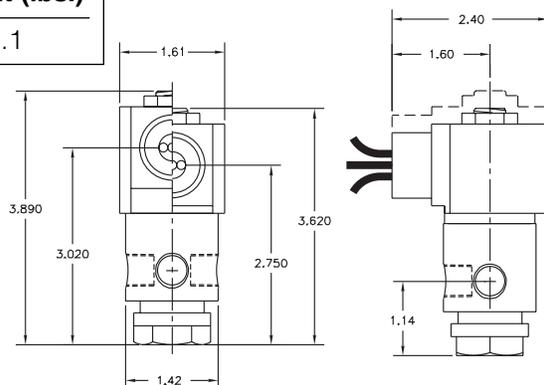
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifices:	Brass
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer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

* Not available for all variations

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Dimensions/Weight

Weight (lbs.)
1.1



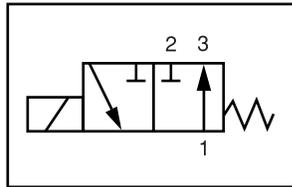
GC Valves Customer Service: 800-828-0484 (7:30am to 4pm ET) or 800-582-4232 (7:30am to 4pm PT)



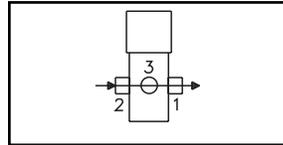
S333 – 1/4" NPT, Brass Body, Normally Closed

Valve Selection List

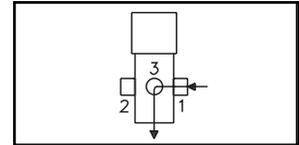
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown	
				Maximum								AC	DC		
				Air/Gas		Water		Light Oil							
				AC	DC	AC	DC	AC	DC			AC	DC	Brass Body	
Reduced Power	1/4	1/16	.09	0	160	100	160	100	—	—	295	EPR	8	9	S333GF02C3BC5
	3/32	.15	0	100	50	100	50	—	—	295	EPR	8	9	S333GF02C3BC9	
	1/8	.26	0	50	30	50	30	—	—	295	EPR	8	9	S333GF02C3BD5	
1/4	1/16	.09	0	200	160	200	160	—	—	295	EPR	10	10	S333GF02C4BC5	
	3/32	.15	0	150	114	150	114	—	—	295	EPR	10	10	S333GF02C4BC9	
	1/8	.31	0	84	60	84	60	—	—	295	EPR	10	10	S333GF02C4BD5	
	11/64	.38	0	45	24	45	24	—	—	295	EPR	10	10	S333GF02C4BD8	
Reduced Power	1/4	1/16	.09	0	160	100	160	100	160	100	180	Nitrile	8	9	S333GF02N3BC5
	3/32	.15	0	100	50	100	50	100	50	180	Nitrile	8	9	S333GF02N3BC9	
	1/8	.26	0	50	30	50	30	50	30	180	Nitrile	8	9	S333GF02N3BD5	
1/4	1/16	.09	0	200	160	200	160	200	160	180	Nitrile	10	10	S333GF02N4BC5	
	3/32	.15	0	150	114	150	114	150	114	180	Nitrile	10	10	S333GF02N4BC9	
	1/8	.31	0	84	60	84	60	84	60	180	Nitrile	10	10	S333GF02N4BD5	
	11/64	.38	0	45	24	45	24	45	24	180	Nitrile	10	10	S333GF02N4BD8	
Reduced Power	1/4	1/16	.09	0	160	100	160	100	160	100	230	Viton	8	9	S333GF02V3BC5
	3/32	.15	0	100	50	100	50	100	50	230	Viton	8	9	S333GF02V3BC9	
	1/8	.26	0	50	30	50	30	50	30	230	Viton	8	9	S333GF02V3BD5	
1/4	1/16	.09	0	200	160	200	160	200	160	230	Viton	10	10	S333GF02V4BC5	
	3/32	.15	0	150	114	150	114	150	114	230	Viton	10	10	S333GF02V4BC9	
	1/8	.31	0	84	60	84	60	84	60	230	Viton	10	10	S333GF02V4BD5	
	11/64	.38	0	45	24	45	24	45	24	230	Viton	10	10	S333GF02V4BD8	

* Class H Coil Recommended for High Temperature Applications

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

S333 – 1/4" NPT, Brass Body, Normally Closed



Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
S	3	3	3	G	F	0	2	C	3	B	C	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S33			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	3: Brass 4: Brass	B: 1/4" NPT	C5: 1/16" C9: 3/32" D5: 1/8" D8: 11/64	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

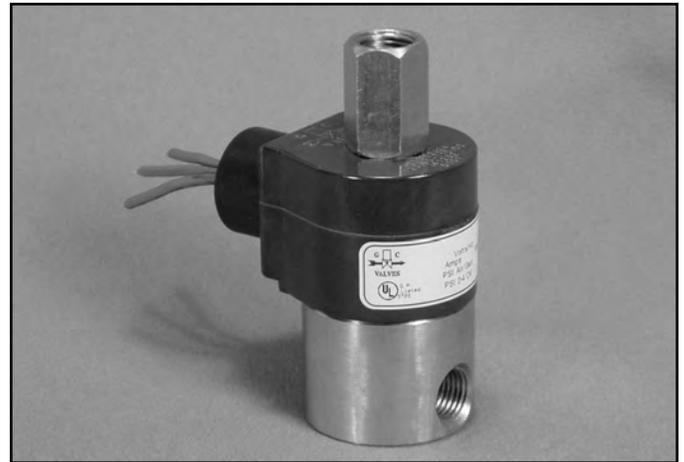
Coil Family	
Type	Size
(Body Code)	
3	S3
4	S4

Frequency (Hz)	60		50	
	3	4	3	4
Body				
Nominal Power (VA)				
Inrush	36	46	36	46
Holding	13	18	14	

S31 Series



- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Closed



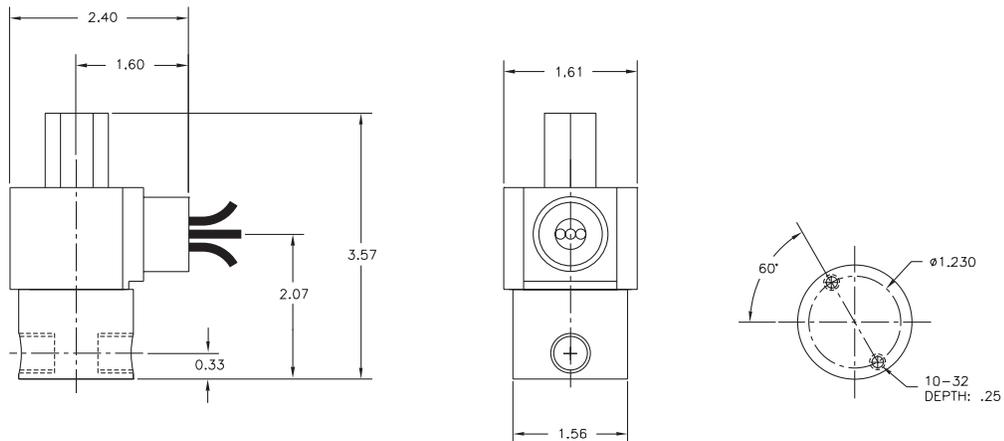
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices: Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual 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° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

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Dimensions/Weight

Weight (lbs.)
1.2



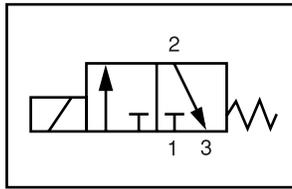
GC Valves Customer Service: 800-828-0484 (7:30am to 4pm ET) or 800-582-4232 (7:30am to 4pm PT)



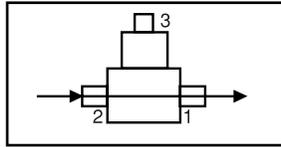
S313 – 1/4" NPT, Stainless Steel Body, Normally Closed

Valve Selection List

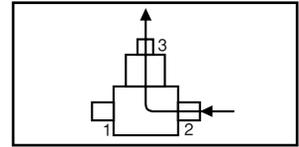
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C _v		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/4	3/64	1/16	.05	.10	170	170	170	170	—	—	295	EPR	8	9	S313GF02C3BV1
	1/16	1/16	.08	.10	120	120	120	120	—	—	295	EPR	8	9	S313GF02C3BC5
	3/32	3/32	.20	.20	65	65	65	65	—	—	295	EPR	8	9	S313GF02C3BC9
	1/8	3/32	.27	.20	40	40	40	40	—	—	295	EPR	8	9	S313GF02C3BV3
	5/32	3/32	.41	.20	25	25	25	25	—	—	295	EPR	8	9	S313GF02C3BV7
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	180	Nitrile	8	9	S313GF02N3BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	180	Nitrile	8	9	S313GF02N3BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	180	Nitrile	8	9	S313GF02N3BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	180	Nitrile	8	9	S313GF02N3BV3
	5/32	3/32	.20	.23	25	25	25	25	25	25	180	Nitrile	8	9	S313GF02N3BV7
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	230	Viton	8	9	S313GF02V3BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	230	Viton	8	9	S313GF02V3BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	230	Viton	8	9	S313GF02V3BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	230	Viton	8	9	S313GF02V3BV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	230	Viton	8	9	S313GF02V3BV7
1/4	3/64	1/16	.05	.10	170	170	170	170	170	170	366*	Teflon	8	9	S313GF02T3BV1
	1/16	1/16	.08	.10	120	120	120	120	120	120	366*	Teflon	8	9	S313GF02T3BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	366*	Teflon	8	9	S313GF02T3BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	366*	Teflon	8	9	S313GF02T3BV3
	5/32	3/32	.41	.20	25	25	25	25	25	25	366*	Teflon	8	9	S313GF02T3BV7

* Class H Coil Recommended for High Temperature Applications

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

S313 – 1/4" NPT, Stainless Steel Body, Normally Closed



Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
S	3	1	3	G	F	0	2	C	3	B	V	1
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	3: Stainless Steel	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

S31 Series



- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Closed
- Free Exhaust



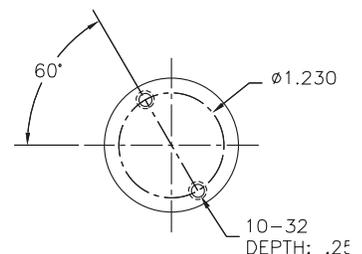
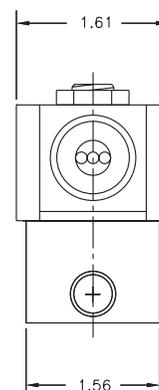
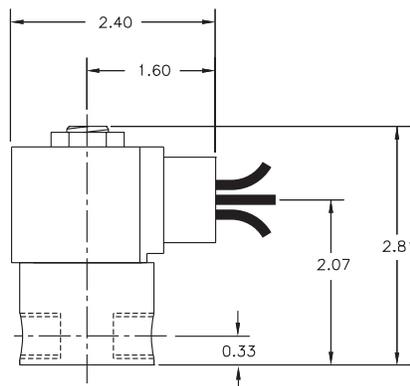
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices: Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual 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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Dimensions/Weight

Weight (lbs.)
1.2



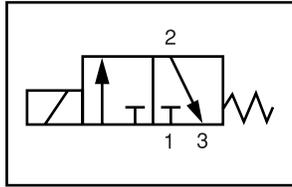
GC Valves Customer Service: 800-828-0484 (7:30am to 4pm ET) or 800-582-4232 (7:30am to 4pm PT)



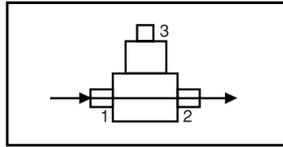
S317 – 1/4" NPT, Stainless Steel Body, Normally Closed, Free Exhaust

Valve Selection List

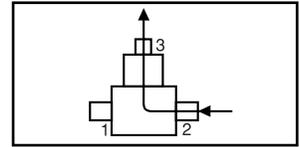
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C _v		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
	AC	DC	AC	DC	AC	DC	AC	DC							
1/4	3/64	3/64	.05	.05	170	170	170	170	—	—	295	EPR	8	9	S317GF02C3BC3
	1/16	1/16	.05	.08	120	120	120	120	—	—	295	EPR	8	9	S317GF02C3BC5
	3/32	3/32	.08	.08	65	65	65	65	—	—	295	EPR	8	9	S317GF02C3BC9
	1/8	3/32	.30	.05	40	40	40	40	—	—	295	EPR	8	9	S317GF02C3BV3
	5/32	3/32	.36	.30	25	25	25	25	—	—	295	EPR	8	9	S317GF02C3BV7
1/4	3/64	3/64	.05	.10	170	170	170	170	170	170	180	Nitrile	8	9	S317GF02N3BC3
	1/16	1/16	.08	.10	120	120	120	120	120	120	180	Nitrile	8	9	S317GF02N3BC5
	3/32	3/32	.20	.20	65	65	65	65	65	65	180	Nitrile	8	9	S317GF02N3BC9
	1/8	3/32	.27	.20	40	40	40	40	40	40	180	Nitrile	8	9	S317GF02N3BV3
	5/32	3/32	.41	.23	25	25	25	25	25	25	180	Nitrile	8	9	S317GF02N3BV7
1/4	1/16	3/64	.05	.05	170	170	170	170	170	170	230	Viton	8	9	S317GF02V3BC3
	3/64	1/16	.05	.08	120	120	120	120	120	120	230	Viton	8	9	S317GF02V3BC5
	3/32	3/32	.08	.08	65	65	65	65	65	65	230	Viton	8	9	S317GF02V3BC9
	1/8	3/32	.30	.05	40	40	40	40	40	40	230	Viton	8	9	S317GF02V3BV3
	5/32	3/32	.36	.30	25	25	25	25	25	25	230	Viton	8	9	S317GF02V3BV7
1/4	3/64	3/64	.05	.05	170	170	170	170	170	170	366*	Teflon	8	9	S317GF02T3BC3
	1/16	1/16	.05	.08	120	120	120	120	120	120	366*	Teflon	8	9	S317GF02T3BC5
	3/32	3/32	.08	.08	65	65	65	65	65	65	366*	Teflon	8	9	S317GF02T3BC9
	1/8	3/32	.30	.05	40	40	40	40	40	40	366*	Teflon	8	9	S317GF02T3BV3
	5/32	3/32	.36	.30	25	25	25	25	25	25	366*	Teflon	8	9	S317GF02T3BV7

* Class H Coil Recommended for High Temperature Applications

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

S317 – 1/4" NPT, Stainless Steel Body, Normally Closed, Free Exhaust



Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
S	3	1	7	G	F	0	2	T	3	B	C	3
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			7: Normally Closed (Free Exhaust)	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	3: Stainless Steel	B: 1/4" NPT	C3: 3/64" x 3/64" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

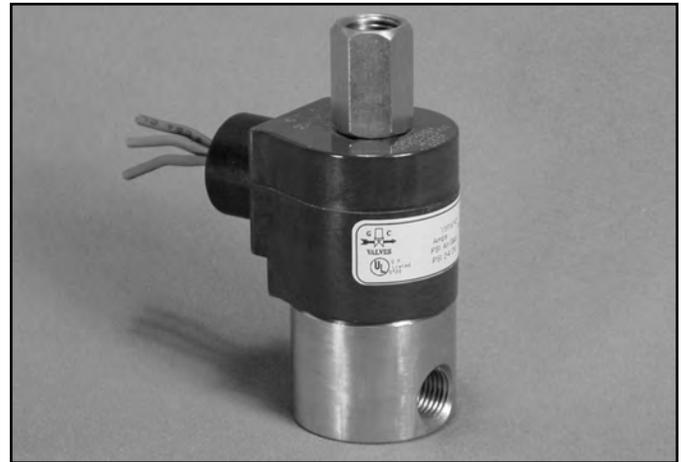
Coil Family	
Type	Size
All	S3

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	36
	Holding	16

S30 Series



- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Closed



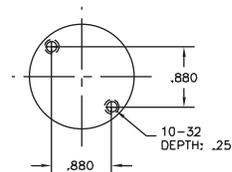
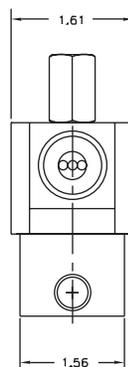
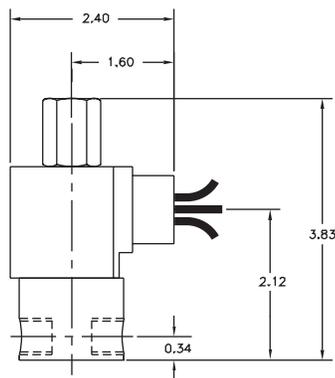
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices: Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual 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° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

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Dimensions/Weight

Weight (lbs.)
1.2



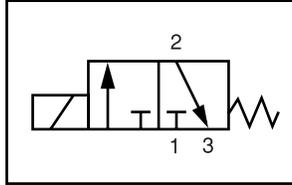
GC Valves Customer Service: 800-828-0484 (7:30am to 4pm ET) or 800-582-4232 (7:30am to 4pm PT)



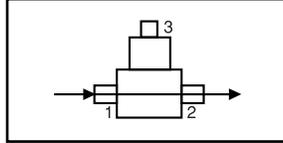
S303 – 1/4" NPT, Stainless Steel Body, Normally Closed

Valve Selection List

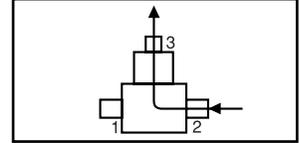
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C _v		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
	Main	Top	Main	Top	Maximum								AC	DC	
					Air/Gas		Water		Light Oil						
					AC	DC	AC	DC	AC	DC					
1/4	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S303GF02C3BV1
	1/16	1/16	.08	.10	150	150	150	150	—	—	295	EPR	10	10	S303GF02C3BC5
	3/32	3/32	.18	.23	100	100	100	100	—	—	295	EPR	10	10	S303GF02C3BC9
	1/8	3/32	.30	.23	75	75	75	75	—	—	295	EPR	10	10	S303GF02C3BV3
	5/32	3/32	.41	.23	50	50	50	50	—	—	295	EPR	10	10	S303GF02C3BV7
	3/16	3/32	.53	.23	30	30	30	30	—	—	295	EPR	10	10	S303GF02C3BV9
	1/4	3/32	.83	.23	15	15	15	15	—	—	295	EPR	10	10	S303GF02C3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S303GF02N3BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	180	Nitrile	10	10	S303GF02N3BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	180	Nitrile	10	10	S303GF02N3BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	180	Nitrile	10	10	S303GF02N3BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	180	Nitrile	10	10	S303GF02N3BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	180	Nitrile	10	10	S303GF02N3BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	180	Nitrile	10	10	S303GF02N3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S303GF02V3BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	230	Viton	10	10	S303GF02V3BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	230	Viton	10	10	S303GF02V3BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	230	Viton	10	10	S303GF02V3BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	230	Viton	10	10	S303GF02V3BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	230	Viton	10	10	S303GF02V3BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	230	Viton	10	10	S303GF02V3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S303GF02T3BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	366*	Teflon	10	10	S303GF02T3BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	366*	Teflon	10	10	S303GF02T3BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	366*	Teflon	10	10	S303GF02T3BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	366*	Teflon	10	10	S303GF02T3BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	366*	Teflon	10	10	S303GF02T3BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	366*	Teflon	10	10	S303GF02T3BW1

* Class H Coil Recommended for High Temperature Applications

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

S303 – 1/4" NPT, Stainless Steel Body, Normally Closed



Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
S	3	0	3	G	F	0	2	C	3	B	V	1
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	3: Stainless Steel	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	S4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

S30 Series



- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Closed
- Free Exhaust



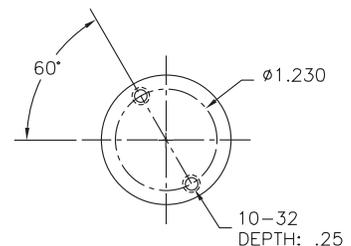
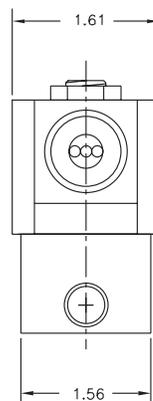
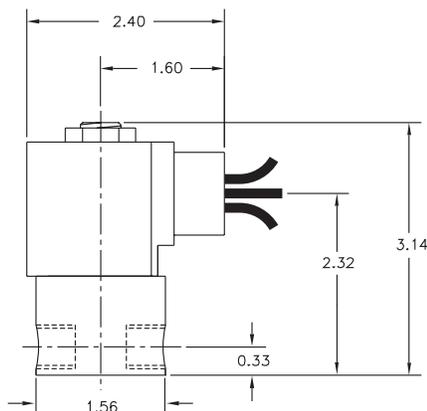
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices: Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual 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° to 125°F
Mounting	Position	Any
Approvals*	Agency	UL Listed, UL Recognized, CSA Approved

* Not available for all variations

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Dimensions/Weight

Weight (lbs.)
1.2



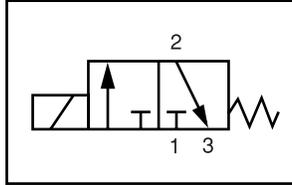
GC Valves Customer Service: 800-828-0484 (7:30am to 4pm ET) or 800-582-4232 (7:30am to 4pm PT)



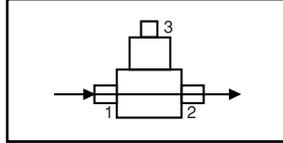
S307 – 1/4" NPT, Stainless Steel Body, Normally Closed, Free Exhaust

Valve Selection List

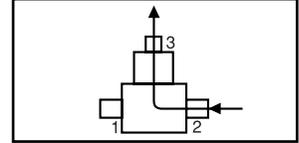
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C _v		Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
	Main	Top	Main	Top	Maximum			Light Oil		AC			DC		
					AC	DC	AC	DC	AC					DC	
	Stainless Steel Body														
1/4	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S307GF02C3BV1
	1/16	1/16	.08	.10	150	150	150	150	—	—	295	EPR	10	10	S307GF02C3BC5
	3/32	3/32	.18	.23	100	100	100	100	—	—	295	EPR	10	10	S307GF02C3BC9
	1/8	3/32	.30	.23	75	75	75	75	—	—	295	EPR	10	10	S307GF02C3BV3
	5/32	3/32	.41	.23	50	50	50	50	—	—	295	EPR	10	10	S307GF02C3BV7
	3/16	3/32	.53	.23	30	30	30	30	—	—	295	EPR	10	10	S307GF02C3BV9
	1/4	3/32	.83	.23	15	15	15	15	—	—	295	EPR	10	10	S307GF02C3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S307GF02N3BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	180	Nitrile	10	10	S307GF02N3BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	180	Nitrile	10	10	S307GF02N3BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	180	Nitrile	10	10	S307GF02N3BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	180	Nitrile	10	10	S307GF02N3BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	180	Nitrile	10	10	S307GF02N3BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	180	Nitrile	10	10	S307GF02N3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S307GF02V3BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	230	Viton	10	10	S307GF02V3BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	230	Viton	10	10	S307GF02V3BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	230	Viton	10	10	S307GF02V3BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	230	Viton	10	10	S307GF02V3BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	230	Viton	10	10	S307GF02V3BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	230	Viton	10	10	S307GF02V3BW1
1/4	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S307GF02T3BV1
	1/16	1/16	.08	.10	150	150	150	150	150	150	366*	Teflon	10	10	S307GF02T3BC5
	3/32	3/32	.18	.23	100	100	100	100	100	100	366*	Teflon	10	10	S307GF02T3BC9
	1/8	3/32	.30	.23	75	75	75	75	75	75	366*	Teflon	10	10	S307GF02T3BV3
	5/32	3/32	.41	.23	50	50	50	50	50	50	366*	Teflon	10	10	S307GF02T3BV7
	3/16	3/32	.53	.23	30	30	30	30	30	30	366*	Teflon	10	10	S307GF02T3BV9
	1/4	3/32	.83	.23	15	15	15	15	15	15	366*	Teflon	10	10	S307GF02T3BW1

* Class H Coil Recommended for High Temperature Applications

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

S307 – 1/4" NPT, Stainless Steel Body, Normally Closed, Free Exhaust



Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
S	3	0	7	G	F	0	2	C	3	B	v	1
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S30			7: Normally Closed (Free Exhaust)	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	3: Stainless Steel	B: 1/4" NPT	V1: 3/64" x 1/16" C5: 1/16" x 1/16" C9: 3/32" x 3/32" V3: 1/8" x 3/32" V7: 5/32" x 3/32" V9: 3/16" x 3/32" W1: 1/4" x 3/32"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
All	4

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	46
	Holding	20

- 1/4" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Closed



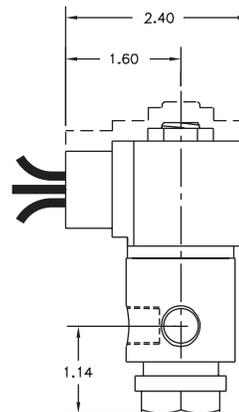
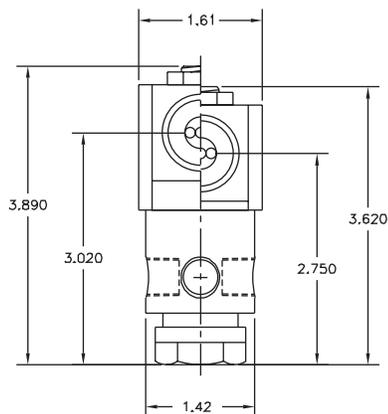
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene
	Orifices:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves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

Weight (lbs.)
1.1

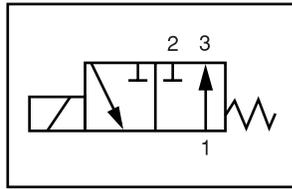




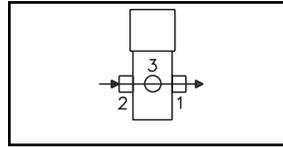
S333 – 1/4" NPT, Stainless Steel Body, Normally Closed

Valve Selection List

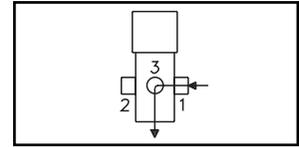
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)						Max Fluid Temp. °F	Seat Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum								AC	DC	
				Air/Gas		Water		Light Oil						
				AC	DC	AC	DC	AC	DC			AC	DC	Stainless Steel Body
1/4 Reduced Power	1/16	.09	0	160	100	160	100	—	—	295	EPR	8	9	S333GF02C7BC5
	3/32	.15	0	100	50	100	50	—	—	295	EPR	8	9	S333GF02C7BC9
	1/8	.26	0	50	30	50	30	—	—	295	EPR	8	9	S333GF02C7BD5
1/4	1/16	.09	0	200	160	200	160	—	—	295	EPR	10	10	S333GF02C8BC5
	3/32	.15	0	150	114	150	114	—	—	295	EPR	10	10	S333GF02C8BC9
	1/8	.31	0	84	60	84	60	—	—	295	EPR	10	10	S333GF02C8BD5
	11/64	.38	0	45	24	45	24	—	—	295	EPR	10	10	S333GF02C8BD8
1/4 Reduced Power	1/16	.09	0	160	100	160	100	160	100	180	Nitrile	8	9	S333GF02N7BC5
	3/32	.15	0	100	50	100	50	100	50	180	Nitrile	8	9	S333GF02N7BC9
	1/8	.26	0	50	30	50	30	50	30	180	Nitrile	8	9	S333GF02N7BD5
1/4	1/16	.09	0	200	160	200	160	200	160	180	Nitrile	10	10	S333GF02N8BC5
	3/32	.15	0	150	114	150	114	150	114	180	Nitrile	10	10	S333GF02N8BC9
	1/8	.31	0	84	60	84	60	84	60	180	Nitrile	10	10	S333GF02N8BD5
	11/64	.38	0	45	24	45	24	45	24	180	Nitrile	10	10	S333GF02N8BD8
1/4 Reduced Power	1/16	.09	0	160	100	160	100	160	100	230	Viton	8	9	S333GF02V7BC5
	3/32	.15	0	100	50	100	50	100	50	230	Viton	8	9	S333GF02V7BC9
	1/8	.26	0	50	30	50	30	50	30	230	Viton	8	9	S333GF02V7BD5
1/4	1/16	.09	0	200	160	200	160	200	160	230	Viton	10	10	S333GF02V8BC5
	3/32	.15	0	150	114	150	114	150	114	230	Viton	10	10	S333GF02V8BC9
	1/8	.31	0	84	60	84	60	84	60	230	Viton	10	10	S333GF02V8BD5
	11/64	.38	0	45	24	45	24	45	24	230	Viton	10	10	S333GF02V8BD8

* Class H Coil Recommended for High Temperature Applications

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

S333 – 1/4" NPT, Stainless Steel Body, Normally Closed



Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
S	3	3	3	G	F	0	2	C	7	B	C	5
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S33			3: Normally Closed	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton	7: Stainless Steel 8: Stainless Steel	B: 1/4" NPT	C5: 1/16" C9: 3/32" D5: 1/8" D8: 11/64"	
* See the "Engineering Guide" for additional voltages, variations and options.												

Coil Data

Coil Family	
Type	Size
(Body Code)	
7	S3
8	S4

Frequency (Hz)	60		50	
	7	8	7	8
Body	7	8	7	8
Nominal Power (VA)	Inrush		36	46
	Holding		13	19