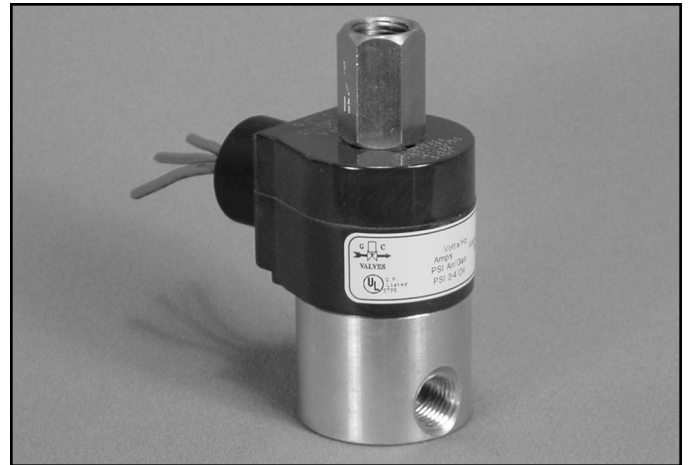


S31 Series



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



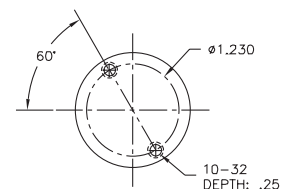
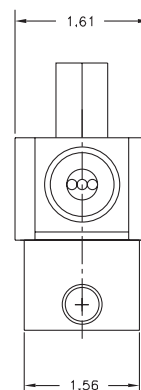
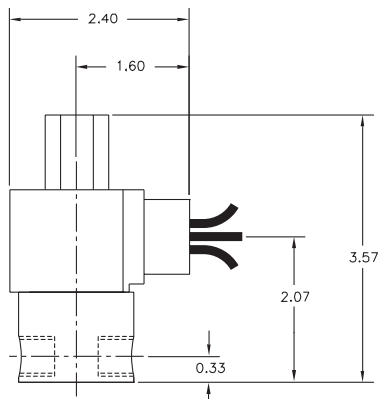
Materials	Seals:	Nitrile, Viton®, Ethylene Propylene or Teflon®
	Orifices: Top Main	Stainless Steel Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4/4X)
	Optional Housings:	Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual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



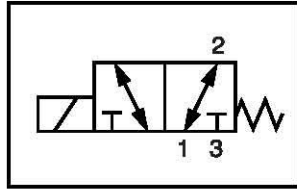
GC Valves Customer Service: 800-828-0484 (7:30am to 4pm ET) or 800-582-4232 (7:30am to 4pm PT)



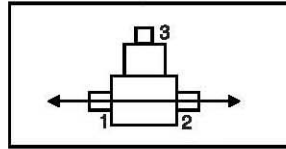
S316 – 1/4" NPT, Brass Body, Universal

Valve Selection List

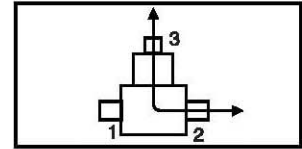
Universal



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	150	150	150	150	—	—	295	EPR	8	9	S316GF02C8BC3
	3/64	1/16	.05	.10	80	80	80	80	—	—	295	EPR	8	9	S316GF02C8BV1
	1/16	1/16	.10	.10	80	40	80	40	—	—	295	EPR	8	9	S316GF02C8BC5
	3/32	3/64	.20	.05	60	60	60	60	—	—	295	EPR	8	9	S316GF02C8BW3
	1/8	3/32	.27	.20	45	5	45	5	—	—	295	EPR	8	9	S316GF02C8BV3
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	180	Nitrile	8	9	S316GF02N8BC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	180	Nitrile	8	9	S316GF02N8BV1
	1/16	1/16	.10	.10	80	40	80	40	80	40	180	Nitrile	8	9	S316GF02N8BC5
	3/32	3/64	.20	.05	60	60	60	60	60	60	180	Nitrile	8	9	S316GF02N8BW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	180	Nitrile	8	9	S316GF02N8BV3
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	230	Viton	8	9	S316GF02V8BC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	230	Viton	8	9	S316GF02V8BV1
	1/16	1/16	.10	.10	80	40	80	40	80	40	230	Viton	8	9	S316GF02V8BC5
	3/32	3/64	.20	.05	60	60	60	60	60	60	230	Viton	8	9	S316GF02V8BW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	230	Viton	8	9	S316GF02V8BV3
1/4	3/64	3/64	.05	.05	150	150	150	150	150	150	366*	Teflon	8	9	S316GF02T8BC3
	3/64	1/16	.05	.10	80	80	80	80	80	80	366*	Teflon	8	9	S316GF02T8BV1
	1/16	1/16	.10	.10	65	65	65	65	65	65	366*	Teflon	8	9	S316GF02T8BC5
	3/32	3/64	.20	.05	80	40	80	40	80	40	366*	Teflon	8	9	S316GF02T8BW3
	1/8	3/32	.27	.20	45	5	45	5	45	5	366*	Teflon	8	9	S316GF02T8BV3

* Class H Coil Recommended for High Temperature Applications

S316 – 1/4" NPT, Brass Body, Universal



Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
S	3	1	6	G	F	0	2	C	8	B	C	3
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)	
S31			6: Universal	G: Conduit	F: Class F	02: 120/60 110/50		C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	B: 1/4" NPT	C3: 3/64" x 3/64" V1: 3/64" x 1/16" C5: 1/16" x 1/16" W3: 3/32" x 3/64" V3: 1/8" 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	36
	Holding	16	17



S316 – 1/4" NPT, Brass Body, Universal

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