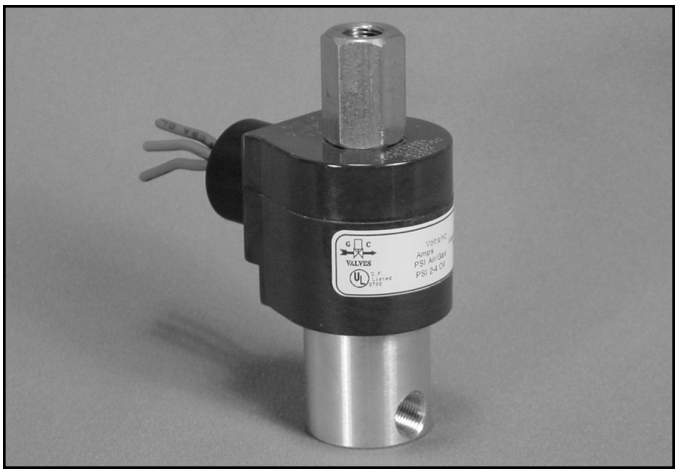
S30 Series

- 1/8" NPT
- Brass Body
- 3-Way Direct Acting
- Diverting



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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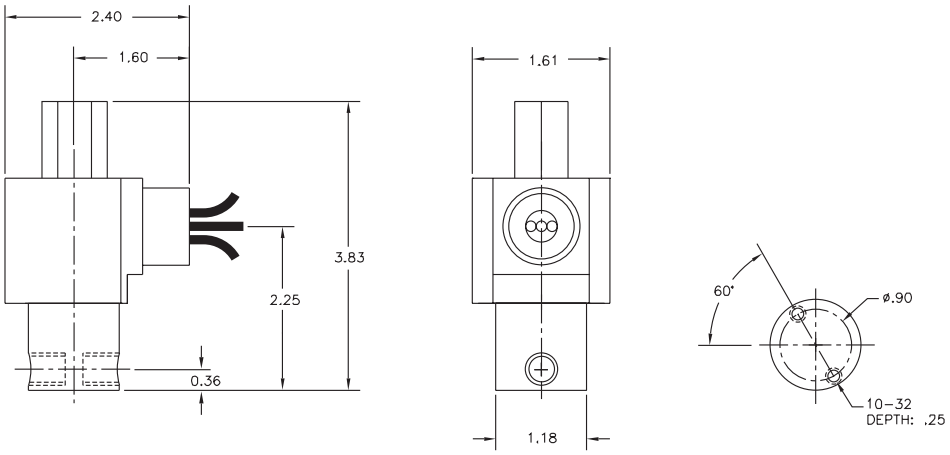
Dimensions/Weight

Weight (lbs.)
1.0

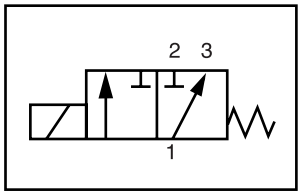


GC Valves Customer Service: 800-828-0484 (7:30am to 4pm ET) or 800-582-4232 (7:30am to 4pm PT)

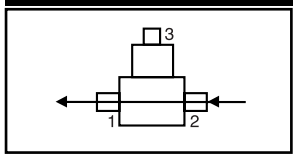
S305 – 1/8" NPT, Brass Body, Diverting

Valve Selection List

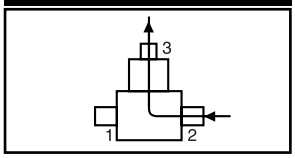
Diverting



Energized



De-Energized



Pipe Size NPT	Orifice Size IN		C_V		Operating Pressure Differential (psi) Maximum						Max Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ — 110V/50HZ Shown)
					Air/Gas		Water		Light Oil						
	Main	Top	Main	Top	AC	DC	AC	DC	AC	DC			AC	DC	Brass Body
	3/64	1/16	.05	.10	220	220	220	220	—	—	295	EPR	10	10	S305GF02C8AV1
	1/16	1/16	.08	.10	180	180	180	180	—	—	295	EPR	10	10	S305GF02C8AC5
	3/32	3/32	.18	.23	125	125	125	125	—	—	295	EPR	10	10	S305GF02C8AC9
1/8	1/8	3/32	.30	.23	100	100	100	100	—	—	295	EPR	10	10	S305GF02C8AV3
	5/32	3/32	.41	.23	75	75	75	75	—	—	295	EPR	10	10	S305GF02C8AV7
	3/16	3/32	.53	.23	60	60	60	60	—	—	295	EPR	10	10	S305GF02C8AV9
	1/4	3/32	.83	.23	20	20	20	20	—	—	295	EPR	10	10	S305GF02C8AW1
	3/64	1/16	.05	.10	220	220	220	220	220	220	180	Nitrile	10	10	S305GF02N8AV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	180	Nitrile	10	10	S305GF02N8AC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	180	Nitrile	10	10	S305GF02N8AC9
1/8	1/8	3/32	.30	.23	100	100	100	100	100	100	180	Nitrile	10	10	S305GF02N8AV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	180	Nitrile	10	10	S305GF02N8AV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	180	Nitrile	10	10	S305GF02N8AV9
	1/4	3/32	.83	.23	20	20	20	20	20	20	180	Nitrile	10	10	S305GF02N8AW1
	3/64	1/16	.05	.10	220	220	220	220	220	220	230	Viton	10	10	S305GF02V8AV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	230	Viton	10	10	S305GF02V8AC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	230	Viton	10	10	S305GF02V8AC9
1/8	1/8	3/32	.30	.23	100	100	100	100	100	100	230	Viton	10	10	S305GF02V8AV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	230	Viton	10	10	S305GF02V8AV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	230	Viton	10	10	S305GF02V8AV9
	1/4	3/32	.83	.23	20	20	20	20	20	20	230	Viton	10	10	S305GF02V8AW1
	3/64	1/16	.05	.10	220	220	220	220	220	220	366*	Teflon	10	10	S305GF02T8AV1
	1/16	1/16	.08	.10	180	180	180	180	180	180	366*	Teflon	10	10	S305GF02T8AC5
	3/32	3/32	.18	.23	125	125	125	125	125	125	366*	Teflon	10	10	S305GF02T8AC9
1/8	1/8	3/32	.30	.23	100	100	100	100	100	100	366*	Teflon	10	10	S305GF02T8AV3
	5/32	3/32	.41	.23	75	75	75	75	75	75	366*	Teflon	10	10	S305GF02T8AV7
	3/16	3/32	.53	.23	60	60	60	60	60	60	366*	Teflon	10	10	S305GF02T8AV9
	1/4	3/32	.83	.23	20	20	20	20	20	20	366*	Teflon	10	10	S305GF02T8AW1

*** Class H Coil Recommended for High Temperature Applications**

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S305 – 1/8" NPT, Brass Body, Diverting

Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
S	3	0	5	G	F	0	2	C	8	A	V	1

Series	Operating Mode	Housing*	Coil Class*	Voltage*	Seal Material	Body Material	Pipe Connection	Orifice Size (Main x Top)
S30	5: Diverting	G: Conduit	F: Class F	02: 120/60 110/50	C: EPR N: Nitrile V: Viton T: Teflon	8: Brass	A: 1/8" 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	46
	Holding	20	23

S305 – 1/8" NPT, Brass Body, Diverting

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