



A DEMA Engineering Company

S30 Series

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

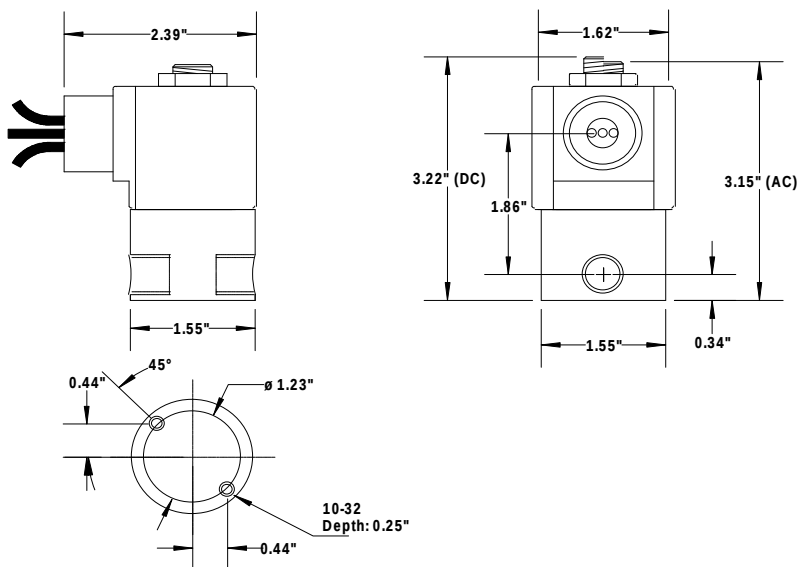


Materials	Seals:	Nitrile, FKM, Ethylene Propylene, PTFE, Rulon
	Orifice:	Stainless Steel
Electrical	Standard Housing:	Encapsulated Waterproof Conduit (NEMA 4X)
	Optional Housings:	Metal Conduit, Explosion-Proof (NEMA 7), Grommet Open Frame, Junction Box (single or dual knockouts), DIN, Contact GC Valves Customer Svc. For others.
	Standard Voltages:	24, 120, 240, AC, 60 and/or 50 Hz. Available 6, 12, 24 DC
		Contact GC Valves Customer Svc. For Additional Voltages
	Voltage Tolerance:	± 10% of applicable voltage
	Coil Classes:	F, H, N
	Standard Lead Length:	24 inches
Operating Temperature	Ambient (Nominal):	32° F to 125° F
Mounting	Position:	Any
Approvals*	Agency:	UL Safety, UL Listed, UL Recognized, CSA Approved

* Not available for all variations

Dimensions / Weight

Weight (Lbs.)
1.1



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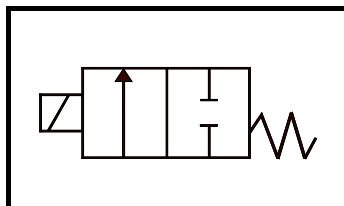
1/4-S-301-1



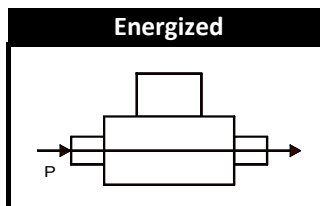
S301 - 1/4" NPT, Stainless Steel Body, Normally Closed

Valve Selection List

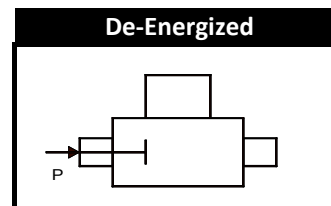
Normally Closed



Energized



De-Energized



Pipe Size NPT	Orifice Size In.	Cv	Operating Pressure Differential (PSI)								Max. Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ-110V/50HZ) Shown	
			Minimum	Maximum									AC	DC	Stainless Steel Body	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC						DC
1/4	1/32	.03	0	2400	2400	2400	2400	---	---	150	150	295	EPR	10	10	S301GF02C3BC1
	3/64	.05	0	1050	1000	1050	1000	---	---	150	150	295	EPR	10	10	S301GF02C3BC3
	1/16	.10	0	700	300	700	300	---	---	150	150	295	EPR	10	10	S301GF02C3BC5
	5/64	.15	0	500	240	500	240	---	---	150	150	295	EPR	10	10	S301GF02C3BC7
	3/32	.21	0	400	200	400	200	---	---	150	150	295	EPR	10	10	S301GF02C3BC9
	7/64	.29	0	350	170	350	170	---	---	150	150	295	EPR	10	10	S301GF02C3BD3
	1/8	.36	0	200	140	200	140	---	---	150	140	295	EPR	10	10	S301GF02C3BD5
	5/32	.44	0	150	100	150	100	---	---	150	100	295	EPR	10	10	S301GF02C3BD7
	3/16	.65	0	100	70	100	70	---	---	100	70	295	EPR	10	10	S301GF02C3BE1
	1/4	.85	0	50	20	50	20	---	---	50	20	295	EPR	10	10	S301GF02C3BE7
9/32	1.0	0	35	15	35	15	---	---	35	15	295	EPR	10	10	S301GF02C3BF1	
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	---	---	180	Nitrile	10	10	S301GF02N3BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	---	---	180	Nitrile	10	10	S301GF02N3BC3
	1/16	.10	0	700	300	700	300	700	300	---	---	180	Nitrile	10	10	S301GF02N3BC5
	5/64	.15	0	500	240	500	240	500	240	---	---	180	Nitrile	10	10	S301GF02N3BC7
	3/32	.21	0	400	200	400	200	400	200	---	---	180	Nitrile	10	10	S301GF02N3BC9
	7/64	.29	0	350	170	350	170	350	170	---	---	180	Nitrile	10	10	S301GF02N3BD3
	1/8	.36	0	200	140	200	140	200	140	---	---	180	Nitrile	10	10	S301GF02N3BD5
	5/32	.44	0	150	100	150	100	150	100	---	---	180	Nitrile	10	10	S301GF02N3BD7
	3/16	.65	0	100	70	100	70	100	70	---	---	180	Nitrile	10	10	S301GF02N3BE1
	1/4	.85	0	50	20	50	20	50	20	---	---	180	Nitrile	10	10	S301GF02N3BE7
9/32	1.0	0	35	15	35	15	35	15	---	---	180	Nitrile	10	10	S301GF02N3BF1	
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	---	---	230	FKM	10	10	S301GF02V3BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	---	---	230	FKM	10	10	S301GF02V3BC3
	1/16	.10	0	700	300	700	300	700	300	---	---	230	FKM	10	10	S301GF02V3BC5
	5/64	.15	0	500	240	500	240	500	240	---	---	230	FKM	10	10	S301GF02V3BC7
	3/32	.21	0	400	200	400	200	400	200	---	---	230	FKM	10	10	S301GF02V3BC9
	7/64	.29	0	350	170	350	170	350	170	---	---	230	FKM	10	10	S301GF02V3BD3
	1/8	.36	0	200	140	200	140	200	140	---	---	230	FKM	10	10	S301GF02V3BD5
	5/32	.44	0	150	100	150	100	150	100	---	---	230	FKM	10	10	S301GF02V3BD7
	3/16	.65	0	100	70	100	70	100	70	---	---	230	FKM	10	10	S301GF02V3BE1
	1/4	.85	0	50	20	50	20	50	20	---	---	230	FKM	10	10	S301GF02V3BE7
9/32	1.0	0	35	15	35	15	35	15	---	---	230	FKM	10	10	S301GF02V3BF1	

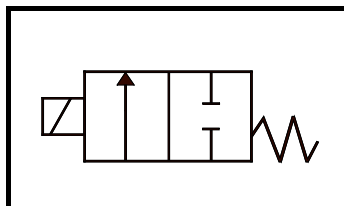
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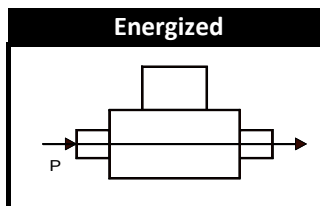
S301 - 1/4" NPT, Stainless Steel Body, Normally Closed

Valve Selection List

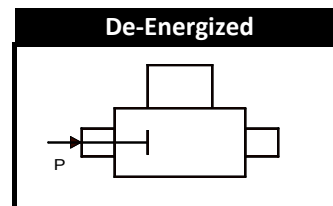
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Energized



De-Energized



Pipe Size NPT	Orifice Size In.	Cv	Operating Pressure Differential (PSI)								Max. Fluid Temp. °F	Seal Material	Power Consumption (Watts)		Model Code (120V/60HZ-110V/50HZ) Shown	
			Minimum	Maximum									AC	DC	Stainless Steel Body	
				Air/Gas		Water		Light Oil		Steam*						
				AC	DC	AC	DC	AC	DC	AC						DC
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	150	150	366	Rulon	10	10	S301GF02R3BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	150	150	366	Rulon	10	10	S301GF02R3BC3
	1/16	.10	0	700	300	700	300	700	300	150	150	366	Rulon	10	10	S301GF02R3BC5
	5/64	.15	0	500	240	500	240	500	240	150	150	366	Rulon	10	10	S301GF02R3BC7
	3/32	.21	0	400	200	400	200	400	200	150	150	366	Rulon	10	10	S301GF02R3BC9
	7/64	.29	0	350	170	350	170	350	170	150	150	366	Rulon	10	10	S301GF02R3BD3
	1/8	.36	0	200	140	200	140	200	140	150	140	366	Rulon	10	10	S301GF02R3BD5
	5/32	.44	0	150	100	150	100	150	100	150	100	366	Rulon	10	10	S301GF02R3BD7
	3/16	.65	0	100	70	100	70	100	70	100	70	366	Rulon	10	10	S301GF02R3BE1
	1/4	.85	0	50	20	50	20	50	20	50	20	366	Rulon	10	10	S301GF02R3BE7
9/32	1.0	0	35	15	35	15	35	15	35	15	366	Rulon	10	10	S301GF02R3BF1	
1/4	1/32	.03	0	2400	2400	2400	2400	2400	2400	150	150	366	PTFE	10	10	S301GF02T3BC1
	3/64	.05	0	1050	1000	1050	1000	1050	1000	150	150	366	PTFE	10	10	S301GF02T3BC3
	1/16	.10	0	700	300	700	300	700	300	150	150	366	PTFE	10	10	S301GF02T3BC5
	5/64	.15	0	500	240	500	240	500	240	150	150	366	PTFE	10	10	S301GF02T3BC7
	3/32	.21	0	400	200	400	200	400	200	150	150	366	PTFE	10	10	S301GF02T3BC9
	7/64	.29	0	350	170	350	170	350	170	150	150	366	PTFE	10	10	S301GF02T3BD3
	1/8	.36	0	200	140	200	140	200	140	150	140	366	PTFE	10	10	S301GF02T3BD5
	5/32	.44	0	150	100	150	100	150	100	150	100	366	PTFE	10	10	S301GF02T3BD7
	3/16	.65	0	100	70	100	70	100	70	100	70	366	PTFE	10	10	S301GF02T3BE1
	1/4	.85	0	50	20	50	20	50	20	50	20	366	PTFE	10	10	S301GF02T3BE7
9/32	1.0	0	35	15	35	15	35	15	35	15	366	PTFE	10	10	S301GF02T3BF1	

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Part Numbering

1	2	3	4	5	6	7	8	9	10	11	12	13
S	3	0	1	G	F	0	2	C	3	B	C	1
Series			Operating Mode	Housing*	Coil Class*	Voltage*		Seal Material	Body Material	Pipe Connection	Orifice Size	
S30			1: Normally Closed	G: Conduit	F: Class F H: Class H N: Class N	02: 120/60, 110/50		C: EPR V: FKM R: Rulon T: PTFE	3: Stainless Steel	B: 1/4" NPT	C1: 1/32" C3: 3/64" C5: 1/16" C7: 5/64" C9: 3/32" D5: 1/8" D7: 5/32" E1: 3/16" E7: 1/4" F1: 9/32"	
* 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	18	19

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