

Standard Solenoid Valve Specifications:

Series 200 are Brass General Service NPT, Normally Closed 2 psi differential Solenoid Valves.

Series 200-SS are Stainless Steel General Service NPT, Normally Closed 2 psi differential Solenoid Valve.
(Use 200-SS for lead free applications where lead free solenoids are not available.)

Series 220 are Lead Free Brass General Service NPT, Normally Closed 2 psi differential Solenoid Valves.
(Series 200 and 220 Solenoids are available W/ DC Latching Coils for use in Water Piping Systems)

Series 300 are Fuel gas, Aluminum construction Normally Closed Solenoid Valves.
(Designed for low pressure fuel gas applications.)

Series 400 are Brass General Service NPT, Normally Open 2 psi differential Solenoid Valves.
(Intended for use as Bypass Valves in Circulated Hot Water Systems.)

Series 500 are Brass General Service NPT, Low Wattage, Normally Closed 3– 4.5 psi differential Solenoid Valves.

Operating Mode: Normally Closed – Closed when de-energized. Zero differential allowing the valve to open and close without the presence of flow. 2 psi valves require slight differences across diaphragm to operate.

Maximum operating temperature for the solenoid is 180° F / 82.2° C Coil Rating: Continuous duty totally encapsulated Voltage Tolerances: +10%, - 10% of applicable voltage. All Solenoid Coils have a NEMA 1 Rating.

Refer to solenoid specifications sheet in the accessory section for specific operation and performance of each valve.

ISIMET Model	Port Size (in)	Orifice Size (in)	Seat Material	Min. Pressure Diff.	Flow Factor Cv	Operation Pressure		24/60 VAC		120/60 VAC	
						Air/Gas psi	Water psi	VA Inrush	VA Holding	VA Inrush	VA Holding
S-201	1/2	.5	NBR	2	4.8	230	230	25	14.5	25	14.5
S-202	3/4	.75	NBR	2	9.8	230	230	25	14.5	25	14.5
S-203	1	1	NBR	2	14	230	230	25	14.5	25	14.5
S-204	1 1/4	1.375	NBR	2	28	150	150	25	14.5	25	14.5
S-205	1 1/2	1.5	NBR	2	36	150	150	25	14.5	25	14.5
S-206	2	2	NBR	2	53	150	150	25	14.5	25	14.5
S-208	3	3	BUNA	3	77	225	225	-	-	45	27
S-222	3/4	3/4	FKM/NSF	2	9.8	230	230	25	14.5	25	14.5
S-223	1	1	FKM/NSF	2	14	230	230	25	14.5	25	14.5
S-224	1 1/4	1 3/8	FKM/NSF	2	28	150	150	25	14.5	25	14.5
S-225	1 1/2	1 1/2	FKM/NSF	2	36	150	150	25	14.5	25	14.5
S-301	1/2	.71	BUNA	0	4.0	3	171,600 *	45	27	45	27
S-302	3/4	.71	BUNA	0	4.9	3	241,500 *	45	27	45	27
S-303	1	1.26	BUNA	0	1.2	0.75	635,500 *	45	27	45	27
S-304	1 1/4	1.26	BUNA	0	14	0.75	762,700 *	45	27	45	27
S-305	1 1/2	1.89	BUNA	0.015	41	3	2,225,530 *	45	27	45	27
S-306	2	2.0	BUNA	0.015	50	3	2,732,994 *	45	27	45	27
S-308	3	3	NITRILE	0	93.6	45	5,188,000 *	-	-	113	113
S-401	1/2	.5	NBR	2	4.8	230	230	25	14	25	14
S-402	3/4	.75	NBR	2	9.8	230	230	25	14	25	14
S-403	1	1	NBR	2	14	230	230	25	14	25	14
S-501	1/2	.5	BUNA	3	4.2	225	225	12.9	8	-	-
S-502	3/4	.63	BUNA	3	6.4	225	225	12.9	8	-	-
S-503	1	1	BUNA	4.5	10.5	225	225	12.9	8	-	-

* BTU @ 0.60 Specific Gravity W/ pressure drop of 0.5 inch water column

* For Stainless Steel – Refer to S-200 Series Specifications

Solenoid Valve Specifications

600 Series – Vacuum N/C – Brass Valve Body

700 Series – Fuel Oil N/C – Bronze Valve Body

800 Series – Oxygen/Acetylene/Argon/CO2/Nitrous Oxide N/C – Brass Valve Body

810 Series – Hydrogen/Nitrogen N/C – Brass Valve Body

820 Series – High Pressure Gas N/C – Brass Valve Body

830 Series – Helium N/C – Brass Valve Body

ISIMET Model	Port Size (in)	Orifice Size (in)	Seat Material	Min. Pressure Diff.	Flow Factor Cv	Operation Pressure		24/60 VAC		120/60 VAC	
						Air/Gas psi	Water psi	VA Inrush	VA Holding	VA Inrush	VA Holding
S-601	1/2	.625	NBR	0	2.8	TORR@.003	MERC @.00039	25	14.5	25	14.5
S-602	3/4	.625	NBR	0	2.8	TORR@.003	MERC @.00039	25	14.5	25	14.5
S-603	1	1	NBR	0	8.3	TORR@.003	MERC @.00039	25	14.5	25	14.5
S-605	1 1/2	1.89	BUNA	.15	41	TORR@.005	MERC @.00039	45	27	45	27
S-606	2	2.0	BUNA	.15	50	TORR@.005	MERC @.00039	45	27	45	27
S-702	3/4	.75	FKM	0	7	105	-	-	-	267	80
S-703	1	1.02	FKM	0	12	105	-	-	-	267	80
S-705	1 1/2	1.26	FKM	0	18	105	-	-	-	267	80
S-706	2	1.50	FKM	0	27	105	-	-	-	267	80
S-801	1/2	.55	FKM	0	3.1	105	105	57	23	57	23
S-802	3/4	.71	FKM	0	5.03	105	105	57	23	57	23
S-803	1	1.02	FKM	3	13	225	225	45	27	45	27
S-805	1 1/2	1.50	FKM	3	29	225	225	45	27	45	27
S-806	2	1.97	FKM	3	47	225	225	45	27	45	27
S-811	1/2	.55	BUNA	0	3.1	105	105	57	23	57	23
S-812	3/4	.71	BUNA	0	5.03	105	105	57	23	57	23
S-813	1	1.02	BUNA	3	13	225	225	45	27	45	27
S-815	1 1/2	1.50	BUNA	3	29	225	225	45	27	45	27
S-816	2	1.97	BUNA	3	47	225	225	45	27	45	27
S-822	3/4	.79	BUNA	3	5.9	225	225	45	27	45	27
S-823	1	1.02	BUNA	3	13	225	225	45	27	45	27
S-825	1 1/2	1.50	BUNA	3	29	225	225	45	27	45	27
S-826	2	1.97	BUNA	3	47	225	225	45	27	45	27
S-832	3/4	.79	PTFE	7.5	5.9	255	-	45	27	45	27
S-833	1	1.02	PTFE	7.5	13	255	-	45	27	45	27
S-835	1 1/2	1.5	PTFE	7.5	29	255	-	45	27	45	27
S-836	2	1.97	PTFE	7.5	47	255	-	45	27	45	27

- Vacuum is rated @ TORR and inches of Mercury