2-Way Solenoid Valves

NORMALLY CLOSED – WATER, AIR, GASES, AND LIGHT OIL

General Description

These 2-way packless internal pilot operated valves are available in a wide range of sizes and are available with either sil brazed union ends per MIL-F-1183; flanged ends per MIL-F-20042; Lokring® tailpiece or tubing connections.Many are supplied with manual operating devices and meet the Hi-Shock requirements of MIL-S-901.

Applications

These valves meet the 2-way chilled water valve requirements of MIL-R-16743, "Refrigerating Plants and Systems, Mechanical and Refrigerating System Components - Dichlorodifluoromethane Type 12 -Naval Shipboard," paragraph 3.6.16, the refrigeration plant and systems specification for Naval shipboard use. Valves listed below may be used for many other shipboard applications.

Specifications

- **Operation:** Normally closed (valve closed when de-energized, open when energized).
- **Pipe Sizes:** 1/2" to 2" sil brazed union ends per MIL-F-1183. 3/4" to 2" flanged ends per MIL-F-20042. Lokring; tubing connections per MS16142.
- **Valve Body:** Forged brass or bronze.
- **Valve Seat:** Resilient (Buna "N").
- **Solenoid Construction:** Internal parts in contact with fluid are of 300 Series stainless steel and 400 Series stainless steel.
- **Solenoid Enclosures:** Navy watertight Hi-Shock (15-foot submersible).
- **Electrical:** Standard 115 volts, AC, 60 Hz. and 28VDC. (Consult factory for other voltages).
- **Installation:** AV204217-001 valve must be mounted with solenoid vertical and upright. All other valves on this page may be mounted in any position without affecting operation.

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Pressure psi.		Catalog Number	Wattage	Rebuild Kit Number
			Min.	Max.			
2-WAY Normally Closed VALVES WITH SIL BRAZED UNION ENDS (AC)							
1/2	3/4	6	0	150	AV5078747	10.5	325853
3/4	3/4	6	0	150	AV5078748	10.5	325853
1	1	13	0	125	AV224543001	15.4	300301
1	1	13	5	150	AV507875010	10.5	325856
1 1/4	1 1/8	15	5	150	AV507875011	10.5	325856
1 1/2	1 1/4	22.5	5	150	AV507875012	10.5	325857
2	1 3/4	43	5	150	AV510133001	10.5	325860
2-WAY Normally Closed VALVES LOKRING TAILPIECE (AC)							
1/2	3/4	6	0	150	AV507874016	10.5	325853
3/4	3/4	6	0	150	AV507874017	10.5	325853
1	1	13	5	150	AV507875019	10.5	325856
1 1/4	1 1/8	15	5	150	AV507875020	10.5	325856
1 1/2	1 1/4	22.5	5	150	AV507875021	10.5	325857
2	1 3/4	43	5	150	AV510133004	10.5	325860
2-WAY Normally Closed VALVES WITH FLANGED ENDS (AC)							
1 1/4	1 1/4	20	5	150	AV172731002	10.5	308927
1 1/2	1 3/8	24.5	5	150	AV172731003	10.5	308927
2	2	48	0	150	AV204217001	65	300284
2-WAY Normally Closed VALVES SIL BRAZED UNIONS ST. ST. TAILPIECE (AC)							

1/2	3/4	6	0	150	AV279729007	10.5	322386
3/4	3/4	6	0	150	AV279729008	10.5	322387
1	1	13	5	150	AV279730010	10.5	322388
1 1/2	1 1/4	22.5	5	150	AV279730012	10.5	322389
2	1 3/4	43	5	150	AV279731001	10.5	322390
2-WAY Normally Closed VALVES STRAIGHT THREAD-O-RING BOSS MS-16142 (AC)							
Tube Size							
1/2	5/8	4	0	150	AV272159001	16.7	306916
3/4	3/4	5	0	150	AV272160001	16.7	306930
1 1/2	1 1/4	22.5	5	150	AV260415001	10.5	312838
2-WAY Normally Closed VALVES WITH SIL BRAZED UNION ENDS (DC)							
1/2	3/4	6	0	150	AV186185003	11.2	314078
3/4	3/4	6	0	150	AV186185004	11.2	314077

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