

VALV-TROL DIRECT ACTING (NORMALLY OPEN) QUICK ACTING 2-WAY VALVES

1/2" to 3" NPT, 150 or 300 PSI



35 PSI air
recommended on
diaphragm

The **Valv-Trol Quick Acting, Loose Disc Valves** are diaphragm actuated valves used where remote operation is needed. Typical operations include steam heating, water cooling, water circulation, or liquid transfer. They are not intended for power hydraulic systems because of their loose discs and unbalanced design.

These valves have heavy cast bronze bodies and replaceable stainless steel trim for long service life with most liquids. The standard stem packaging is suitable for most liquids up to 500°F.

Although these valves are quick acting, they are often used with a direct acting pressure controller to successfully regulate the pressure (temperature) of steam heated components.

PORT SIZE	N.O. MODELS 150 PSI / 300 PSI	Cv RATING
1/2"	D-2102 / D-3102	3.7
3/4"	D-2104 / D-3104	7.1
1"	D-2106 / D-3106	13.3
1-1/4"	D-2108 / D-3108	21.0
1-1/2"	D-2110 / D-3110	28.0
2"	D-2112 / D-3112	37.5
3"	D-2116 / D-3116	101.0

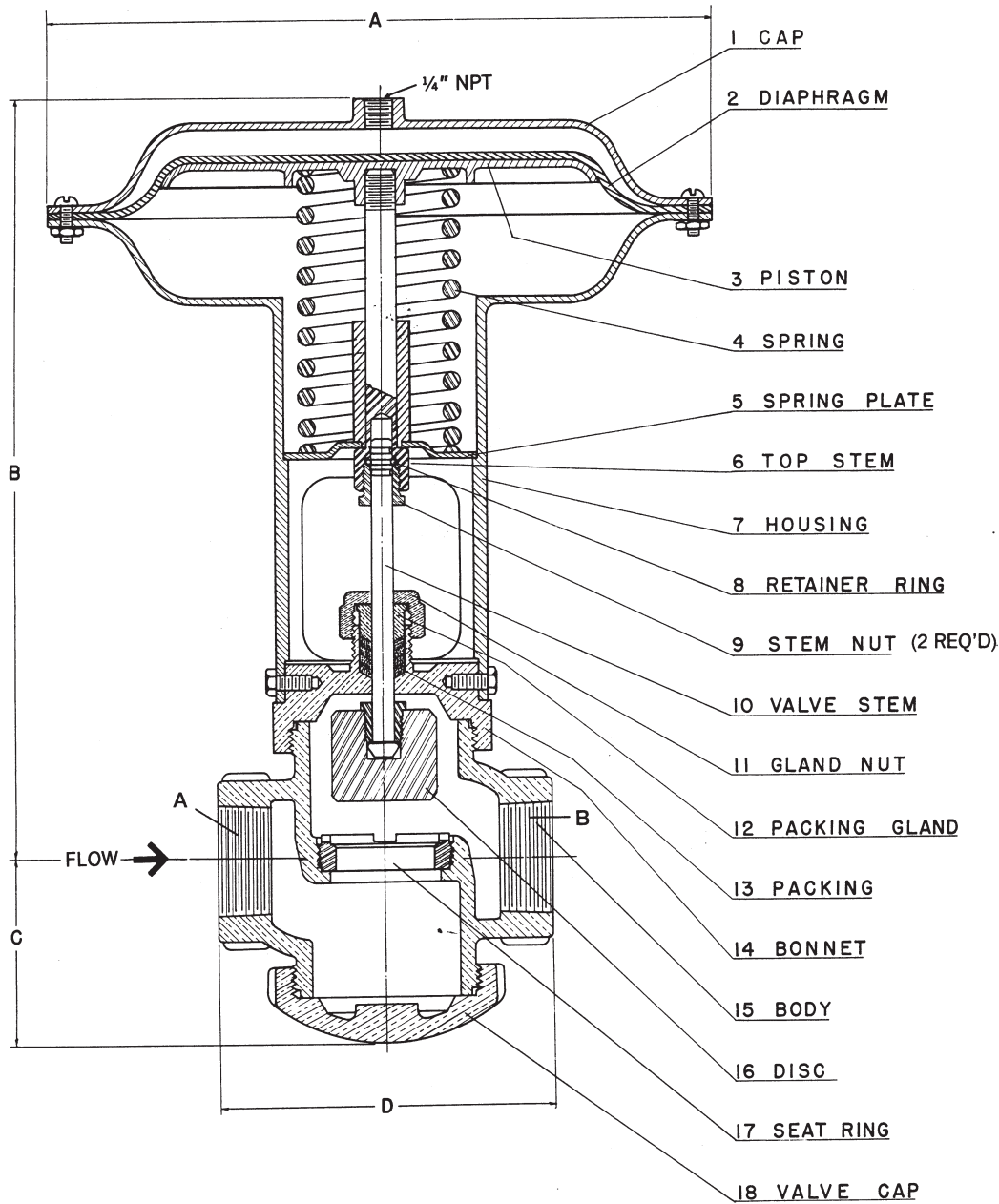
The Valv-Trol Advantage

Many parts of Valv-Trol Valves are interchangeable between the same size 2-way and 3-way valves. This helps you to reduce your spare parts inventory and allows us to maintain a more complete inventory for emergency availability and shorter lead times.

Our valves are all subjected to 100% pressure testing to ensure a drop tight seal before we ship to our customers.

THE VALV-TROL COMPANY • 1340 COMMERCE DRIVE • STOW, OHIO 44224
Phone: 800-497-2136 • Fax: (330) 686-2820 • E-mail: sales@valv-trol.com • www.valv-trol.com

DIRECT ACTING (NORMALLY OPEN) 2-WAY VALVES



150 LB. VALVE DIMENSIONS

VALVE NUMBER	PIPE SIZE	A	B	C	D
D-2102	1/2"	6-1/8"	8"	1-5/8"	3-1/8"
D-2104	3/4"	6-1/8"	8-3/8"	2"	3-7/8"
D-2106	1"	8"	10-1/2"	2-3/8"	4-3/8"
D-2108	1-1/4"	8"	10-3/4"	2-5/8"	5"
D-2110	1-1/2"	11"	12-3/8"	3"	5-1/2"
D-2112	2"	11"	13-7/8"	3-1/2"	6-1/8"
D-2116	3"	13"	16-1/4"	4-3/4"	9"

300 LB. VALVE DIMENSIONS

VALVE NUMBER	PIPE SIZE	A	B	C	D
D-3102	1/2"	6-1/8"	8"	1-5/8"	3-1/8"
D-3104	3/4"	8"	8-1/2"	2"	3-7/8"
D-3106	1"	11"	11-3/4"	2-3/8"	4-3/8"
D-3108	1-1/4"	11"	12"	2-5/8"	5"
D-3110	1-1/2"	13"	12-3/4"	3"	5-1/2"
D-3112	2"	13"	14-1/4"	3-1/2"	6-1/8"
D-3116	3"	15-7/8"	17-1/2"	4-3/4"	9"

DIRECT ACTING (NORMALLY OPEN) 2-WAY VALVES

PARTS LIST FOR 150 PSI VALVES

Ref.		D-2102	D-2104	D-2106	D-2108	D-2110	D-2112	D-2116
No.	Valve No. Valve Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	3"
1	Cap	B-1100	B-1100	B-1102	B-1102	B-1104	B-1104	B-1106
2	Diaphragm	A-1120	A-1120	A-1122	A-1122	A-1124	A-1124	A-1126
3	Piston	B-1154-25	B-1154-25	B-1156-35	B-1156-35	B-1158-35	B-1158-47	B-1160-57
4	Spring	A-1750	A-1750	A-1762	A-1762	A-1774	A-1786	A-1168
5	Spring Plate	A-1180	A-1180	A-1182	A-1182	A-1182	A-1184	A-1186
6	Top Stem	A-2002	A-2008	A-2016	A-2016	A-2020	A-2028	A-2036
7	Housing	B-1174-42	B-1174-42	B-1176-53	B-1176-53	B-1178-83	B-1178-84	B-1180-05
8	Retainer Ring	A-2902	A-2904	A-2910	A-2910	A-2910	A-2912	A-2912
9	Stem Nut	A-2602	A-2604	A-2610	A-2610	A-2610	A-2612	A-2612
10	Valve Stem	A-2102-1	A-2104-1	A-2106-1	A-2108-1	A-2110-1	A-2112-1	A-2112-4
11	Gland Nut	A-2204	A-2204	A-2210	A-2210	A-2210	A-2212	A-2212
12	Packing Gland	A-2304-4	A-2304-5	A-2310-6	A-2310-6	A-2310-6	A-2312	A-2312
13	Packing	A-3002	A-3004	A-3010	A-3010	A-3010	A-3012	A-3012
14	Bonnet	A-2402	A-2404	A-2406	A-2408	A-2410	A-2412	A-2416
15	Body	C-2102	C-2104	C-2106	C-2108	C-2110	C-2112	C-2116
16	Disc	A-2702	A-2704	A-2706	A-2708	A-2710	A-2712	A-2718
17	Seat Ring	A-2502	A-2504	A-2506	A-2508	A-2510	A-2512	A-2516
18	Valve Cap	A-2802	A-2804	A-2806	A-2808	A-2810	A-2812	A-2816

See Parts List for 300 PSI Valves on Page 4.

DIRECT ACTING (NORMALLY OPEN) 2-WAY VALVES

PARTS LIST FOR 300 PSI VALVES

Ref.		D-3102	D-3104	D-3106	D-3108	D-3110	D-3112	D-3116
No.	Valve No.	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	3"
1	Cap	B-1100	B-1102	B-1104	B-1104	B-1106	B-1106	B-1107
2	Diaphragm	A-1120	A-1122	A-1124	A-1124	A-1126	A-1126	A-1127
3	Piston	B-1154-25	B-1156-25	B-1158-35	B-1158-35	B-1160-35	B-1160-47	B-1161-57
4	Spring	A-1750	A-1750	A-1774	A-1774	A-1774	A-1786	A-1168
5	Spring Plate	A-1180	A-1180	A-1182	A-1182	A-1182	A-1184	A-1186
6	Top Stem	A-2002	A-2008	A-2020	A-2020	A-2020	A-2028	A-2040
7	Housing	B-1174-42	B-1176-52	B-1178-83	B-1178-83	B-1180-03	B-1180-04	B-1181-25
8	Retainer Ring	A-2902	A-2904	A-2910	A-2910	A-2910	A-2912	A-2912
9	Stem Nut	A-2602	A-2604	A-2610	A-2610	A-2610	A-2612	A-2612
10	Valve Stem	A-2102-1	A-2104-1	A-2106-1	A-2108-1	A-2110-1	A-2112-1	A-2112-4
11	Gland Nut	A-2204	A-2204	A-2210	A-2210	A-2210	A-2212	A-2212
12	Packing Gland	A-2304-4	A-2304-5	A-2310-6	A-2310-6	A-2310-6	A-2312	A-2312
13	Packing	A-3002	A-3004	A-3010	A-3010	A-3010	A-3012	A-3012
14	Bonnet	A-2402	A-2404	A-2406	A-2408	A-2410	A-2412	A-2416
15	Body	C-2102	C-2104	C-2106	C-2108	C-2110	C-2112	C-2116
16	Disc	A-2702	A-2704	A-2706	A-2708	A-2710	A-2712	A-2718
17	Seat Ring	A-2502	A-2504	A-2506	A-2508	A-2510	A-2512	A-2516
18	Valve Cap	A-2802	A-2804	A-2806	A-2808	A-2810	A-2812	A-2816

See Parts List for 150 PSI Valves on Page 3.