



NEW PRODUCTS

V-1D-0412



PVC & CPVC Wafer Butterfly Valves

Spears® Wafer Butterfly Valve is a multi-featured design incorporating laying lengths that allow direct replacement of common Cast Iron valves such as Keystone Model 228 and Bray Series 30 Butterfly Valves. Wafer Valves feature built-in Santoprene™ Thermoplastic Elastomer (TPE) flange gaskets, easy operating disc-mounted seat, and fully isolated stem design. Available in sizes 2" through 12", with choice of Buna-N, EPDM or FKM Seats on PVC Valves, EPDM or FKM on CPVC Valves.

- Chemical & Corrosion Resistant PVC or CPVC Construction
- Special Designed Laying Lengths for Direct Replacement of Common Cast Iron Butterfly Valves
- Built-in Santoprene™ Thermoplastic Elastomer (TPE) Gaskets on Flange Faces
- Easy Operating Disc Mounted Seat in Choice of Buna-N, EPDM, or FKM
- Fully Isolated (Dry) Solid Type 316L Stainless Steel Stem
- Reversible High Impact Polypropylene Lever Handle with 7-Position Stops and Built-in Lockout Capability
- Optional High Efficiency Gear Operator with Cast Aluminum Housing, Polypropylene Handwheel and Built-in Position Indicator
- Compatible with ANSI/ASME B16.5 Class 150 Bolt Pattern Flanges
- Pressure Rated to 150 psi for water @ 73°F (23° C)

PVC

Size	Buna-N Seat	EPDM Seat	FKM Seat	Std Pk	Mstr Pk	Disc Code
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Lever Handle

2	751311-020 277.20	752311-020 277.20	753311-020 573.66	1	0	250
2-1/2	751311-025 294.29	752311-025 294.29	753311-025 582.20	1	0	250
3	751311-030 298.57	752311-030 298.57	753311-030 592.87	1	0	250
4	751311-040 345.51	752311-040 345.51	753311-040 742.16	1	0	250
6	751311-060 511.84	752311-060 511.84	753311-060 1185.74	1	0	250
8	751311-080 870.11	752311-080 870.11	753311-080 2008.84	1	0	250

Gear Operator

2	751321-020 784.83	752321-020 784.83	753321-020 1002.35	1	0	250
2-1/2	751321-025 795.45	752321-025 795.45	753321-025 1040.71	1	0	250
3	751321-030 808.28	752321-030 808.28	753321-030 1100.46	1	0	250
4	751321-040 848.79	752321-040 848.79	753321-040 1245.46	1	0	250
6	751321-060 1019.43	752321-060 1019.43	753321-060 1693.31	1	0	250
8	751321-080 1377.67	752321-080 1377.67	753321-080 2516.52	1	0	250
10	751321-100 1856.52	752321-100 1856.52	753321-100 3050.35	1	0	250
12	751321-120 2252.21	752321-120 2252.21	753321-120 3603.99	1	0	250

Valve Only

2	751301-020 258.03	752301-020 258.03	753301-020 509.70	1	0	250
2-1/2	751301-025 266.60	752301-025 266.60	753301-025 526.74	1	0	250
3	751301-030 272.99	752301-030 272.99	753301-030 537.41	1	0	250
4	751301-040 315.63	752301-040 315.63	753301-040 673.90	1	0	250
6	751301-060 477.69	752301-060 477.69	753301-060 1091.91	1	0	250
8	751301-080 827.48	752301-080 827.48	753301-080 1842.59	1	0	250
10	751301-100 1659.17	752301-100 1659.17	753301-100 3689.40	1	0	250
12	751301-120 2141.16	752301-120 2141.16	753301-120 5267.59	1	0	250

CPVC

Size	EPDM Seat	FKM Seat	Std Pk	Mstr Pk	Disc Code
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Lever Handle

2	752311-020C 379.60	753311-020C 744.30	1	0	252
2-1/2	752311-025C 403.09	753311-025C 808.28	1	0	252
3	752311-030C 439.33	753311-030C 865.84	1	0	252
4	752311-040C 507.59	753311-040C 1083.37	1	0	252
6	752311-060C 750.70	753311-0640C 1731.73	1	0	252
8	752311-080C 1275.31	753311-080C 2930.26	1	0	252

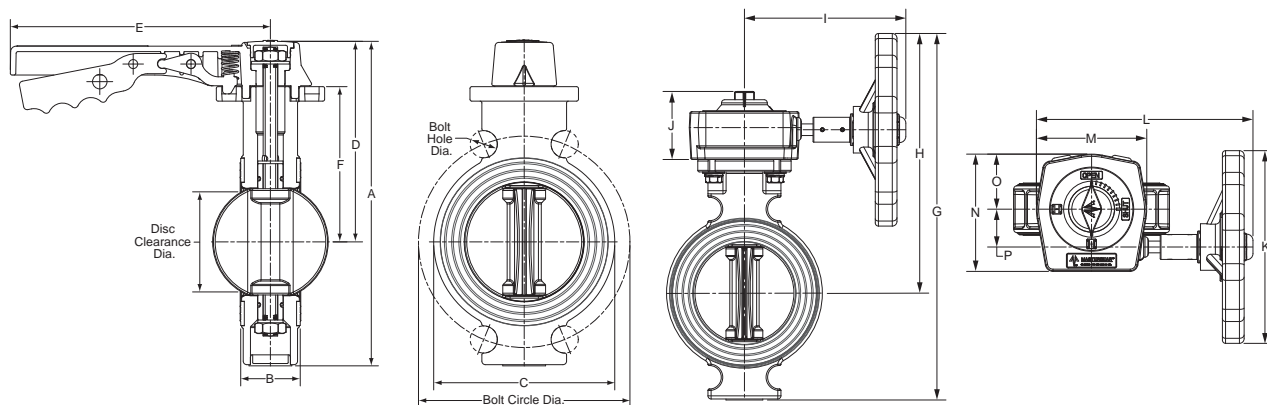
Gear Operator

2	752321-020C 915.46	753321-020C 1246.83	1	0	252
2-1/2	752321-025C 929.20	753321-025C 1310.23	1	0	252
3	752321-030C 942.62	753321-030C 1369.16	1	0	252
4	752321-040C 1010.87	753321-040C 1586.69	1	0	252
6	752321-060C 1258.26	753321-060C 2235.01	1	0	252
8	752321-080C 1778.60	753321-080C 3433.56	1	0	252
10	752321-100C 2490.91	753321-100C 6363.76	1	0	252
12	752321-120C 3518.83	753321-120C 8272.46	1	0	252

Valve Only

2	752301-020C 356.16	753301-020C 684.56	1	0	252
2-1/2	752301-025C 371.07	753301-025C 714.44	1	0	252
3	752301-030C 400.95	753301-030C 780.54	1	0	252
4	752301-040C 464.91	753301-040C 985.31	1	0	252
6	752301-060C 699.49	753301-060C 1590.93	1	0	252
8	752301-080C 1211.31	753301-080C 2687.17	1	0	252
10	752301-100C 2422.68	753301-100C 5387.04	1	0	252
12	752301-120C 3147.76	753301-120C 7001.44	1	0	252

Valve Dimensions



Size	A	B	C	D	E	F	Bolt Circle Diameter ²			No. of Bolts ³	Bolt Hole Dia.	Disc Clearance Dia.
							ANSI	PN16 (mm)	PN10 ISO DIN (mm)			
2	8-5/8	1-11/16	3-3/4	5-9/16	9	4	4-3/4	125	125	4	13/16	1-1/2
2-1/2	9-5/8	1-13/16	4-1/2	6-1/16	9	4-1/2	5-1/2	145	145	4	13/16	1-15/16
3	10-1/8	1-13/16	5	6-7/16	9	4-7/8	6	NA	NA	4	7/8	2-3/4
4	11-13/16	2-1/16	6-1/4	6-15/16	9	5-3/8	7-1/2	180	180	4 (8)	15/16	3-7/16
6	14-7/8	2-3/16	8-9/16	9-3/8	11-7/8	7-1/8	9-1/2	240	240	4 (8)	7/8	5-7/16
8	17-7/16	2-9/16	10-3/4	10-5/8	13-13/16	8-7/16	11-3/4	NA	295	4 (8)	15/16	7-3/16
10 ¹	NA	2-9/16	12-7/8	NA	NA	10-11/16	14-1/4	355	350	4 (12)	1-1/8	9-3/16
12 ¹	NA	3-1/16	15-9/16	NA	NA	11-11/16	17	410	400	4 (12)	1-1/2	11-1/8

1: 10" and 12" valves are only available with gear operator.

2: Holes are oversized to accommodate different bolt patterns — ASME/ANSI B16.1 – Cast Iron Pipe Flanges and Flanged Fittings - Class 150 Bolt Patterns; PN10 & PN16 = BS4504 – Circular Flanges for Pipes, Valves and Fittings (PN - Designated); DIN = DIN8063 Part 4 – Pipe Joint Assemblies and Fittings for Unplasticized Polyvinyl Chloride (PVC-U) Pressure Pipe.

3: Valve is positioned with 4 of 8 required Flange Bolts in sizes 4 to 8 inches and 4 of 12 in sizes 10 and 12 inches.

Size	G	H	I	J	K	L	M	N	O	P
2	12-1/4	9-1/8	6-1/2	2-3/4	8	8-3/4	4-1/2	4-3/4	2-1/4	1-1/2
2-1/2	13-1/8	9-1/2	6-1/2	2-3/4	8	8-3/4	4-1/2	4-3/4	2-1/4	1-1/2
3	13-5/8	10	6-1/2	2-3/4	8	8-3/4	4-1/2	4-3/4	2-1/4	1-1/2
4	14-3/4	10-1/2	6-1/2	2-3/4	8	8-3/4	4-1/2	4-3/4	2-1/4	1-1/2
6	17-3/4	12-1/4	6-1/2	2-3/4	8	8-3/4	4-1/2	4-3/4	2-1/4	1-1/2
8	20-3/8	13-1/2	6-1/2	2-3/4	8	8-3/4	4-1/2	4-3/4	2-1/4	1-1/2
10	24	15-7/8	6-3/4	3	8	9-1/4	5-1/8	5-7/8	2-1/2	2-1/8
12	26-3/8	16-7/8	6-3/4	3	8	9-1/4	5-1/8	5-7/8	2-1/2	2-1/8

Sample Engineering Specification

All thermoplastic valves shall be Wafer Butterfly type constructed from PVC Type I Cell Classification 12454 or CPVC Type IV Cell Classification 23447. All valve seats and O-rings shall be Buna-N, EPDM or FKM. Seat shall be a non-liner type mounted to the valve disc. All valves shall have built-in Santoprene™ Thermoplastic Elastomer (TPE) flange gaskets. Wafer style valves shall be for mounting between two flanges having bolt hole pattern that conform to ANSI/ASME B16.5 CL 150. Disc shall be centered with Type 316L stainless steel stem. Stem shall be isolated from the process medium for dry operation. Lever operated valves shall be equipped with high impact polypropylene handle having 7-position stops and built-in lockout capability. Gear operated valves shall be equipped with position indicator and high impact polypropylene handwheel. Valves shall be pressure rated at 150 psi for water at 73°F, as manufactured by Spears® Manufacturing Company.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GASES

For related products, please refer to SSB-1.

Prices subject to change without notice. Possession of this price schedule shall not be construed as an offer to sell the products listed.

Product drawing(s) & photo(s) are representative and may not fully reflect product configuration.

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