



Valves Product
Butterfly Check Valves

Butterfly Check Valves



Pressure Rating @ 73°F (23°C), Water

2" - 8" 150 psi
10" - 14" 100 psi
16" 70 psi
18" - 24" 50 psi

Maximum Service Temperature

PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

General Installation Information: Butterfly Check Valve seating may be affected by normal system turbulence. Flow velocities should be limited to approximately 5 feet per second. Valves should be installed at least 5 pipe diameters away from any fitting, pump or other source of turbulence. If used as a foot valve, do not place near bottom of a tank. Butterfly type check valves should not be used in continuous cycling applications, such as with reciprocating pumps. This can result in premature failure of sealing membrane. In horizontal installations, always orient the Hinge Post Bolts visible on the external body in a vertical (top and bottom) position, perpendicular to flow. In vertical installations downstream from an elbow, flow velocities can be higher on the outer radius of the elbow. To avoid uneven butterfly plate loading, the Hinge Post Bolts should align with crotch and outer radius of elbow and NOT from side to side of the elbow.

PVC

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Wafer

2	5420-020 449.15	5430-020 494.92	1	18	289
2-1/2	5420-025 618.97	5430-025 682.14	1	0	289

PVC (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Wafer

3	5420-030 791.76	5430-030 872.48	1	8	289
4	5420-040 1076.77	5430-040 1186.60	1	4	289
6	5420-060 1632.43	5430-060 1798.94	1	0	289
8	5420-080 2769.65	5430-080 3052.15	1	0	289
10	5420-100 5092.65	5430-100 5652.82	1	0	289
12	5420-120 7180.57	5430-120 7970.45	1	0	289
14	5420-140 8072.15	---	1	0	289
16	5420-160 11086.52	---	1	0	289
18	5420-180 17804.17	---	1	0	289
20	5420-200 22255.20	---	1	0	289
24	5420-240 31790.93	---	1	0	289

Flanged Ends

2	5423-020 572.91	5433-020 616.12	1	8	289
2-1/2	5423-025 745.67	5433-025 811.92	1	0	289
3	5423-030 1071.02	5433-030 1177.54	1	0	289
4	5423-040 1390.59	5433-040 1551.79	1	0	289
6	5423-060 2254.31	5433-060 2579.64	1	0	289
8	5423-080 3230.29	5433-080 3811.86	1	0	289
10	5423-100 5948.15	5433-100 6783.06	1	0	289
12	5423-120 8427.00	5433-120 8964.40	1	0	289
14	5423-140 11882.07	5433-140 12639.74	4	0	289
16	5423-160 16724.03	5433-160 18056.75	1	0	289
18	5423-180 21366.88	5433-180 22855.39	1	0	289
20	5423-200 28083.27	5433-200 30072.87	1	0	289
24	5423-240 36783.76	5433-240 39567.59	1	0	289

Spigot (Plain End)

2	5427-020 244.72	5437-020 287.91	1	12	289
2-1/2	5427-025 336.85	5437-025 403.09	1	12	289
3	5427-030 452.01	5437-030 558.53	1	8	289

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PVC (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Spigot (Plain End)					
4	5427-040 593.08	5437-040 754.33	1	4	289
6	5427-060 1261.01	5437-060 1586.35	1	0	289
8	5427-080 1880.04	5437-080 2461.57	1	0	289
10	5427-100 4597.84	5437-100 5432.76	1	0	289
12	5427-120 6227.39	5437-120 7300.29	1	0	289
14	5427-140 8311.01	5437-140 9549.83	1	0	289
16	5427-160 12504.00	5437-160 14660.08	1	0	289
18	5427-180 15630.01	5437-180 18323.45	1	0	289
20	5427-200 19536.99	5437-200 22902.85	1	0	289
24	5427-240 27909.94	5437-240 32717.22	1	0	289

Threaded Ends

2	5421A-020 238.97	5431A-020 282.15	1	4	289
2-1/2	5421A-025 325.34	5431A-025 391.54	1	8	289
3	5421A-030 443.39	5431A-030 549.88	1	8	289
4	5421A-040 581.57	5431A-040 742.79	1	4	289
6	5421A-060 1237.99	5431A-060 1563.32	1	0	289
8	5421A-080 1859.91	5431A-080 2441.43	1	0	289
10	5421A-100 4588.43	5431A-100 5424.71	1	0	289
12	5421A-120 6219.72	5431A-120 7292.63	1	0	289

Grooved Ends

2	542G-020 270.62	543G-020 313.81	1	12	289
2-1/2	542G-025 354.13	543G-025 420.34	1	8	289
3	542G-030 466.40	543G-030 572.91	1	8	289
4	542G-040 627.64	543G-040 788.86	1	4	289
6	542G-060 1312.84	543G-060 1638.19	1	0	289
8	542G-080 1937.59	543G-080 2519.18	1	0	289
10	542G-100 4689.96	543G-100 5524.88	1	0	289
12	542G-120 6351.18	543G-120 7425.09	1	0	289

CPVC

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Wafer					
2	5420-020C 696.15	5430-020C 772.73	1	18	290
2-1/2	5420-025C 959.42	5430-025C 1016.79	1	0	290
3	5420-030C 1227.20	5430-030C 1362.19	1	0	290
4	5420-040C 1669.02	5430-040C 1852.60	1	0	290
6	5420-060C 2530.26	5430-060C 2808.60	1	0	290
8	5420-080C 4292.96	5430-080C 4765.18	1	0	290
10	5420-100C 9232.51	5430-100C 10155.77	1	0	290
12	5420-120C 16259.69	5430-120C 17885.66	1	0	290

Flanged Ends

2	5423-020C 886.74	5433-020C 929.93	1	8	290
2-1/2	5423-025C 1419.37	5433-025C 1485.59	1	0	290
3	5423-030C 1517.25	5433-030C 1623.78	1	0	290
4	5423-040C 1776.37	5433-040C 1937.59	1	0	290
6	5423-060C 3132.40	5433-060C 3457.75	1	0	290
8	5423-080C 5018.19	5433-080C 5599.78	1	0	290
10	5423-100C 9483.61	5433-100C 10318.53	1	0	290
12	5423-120C 17081.42	5433-120C 18155.35	1	0	290
14	5423-140C 24401.61	5433-140C 25935.86	1	0	290
16	5423-160C 33889.25	5433-160C 36022.01	1	0	290
18	5423-180C 42361.54	5433-180C 45027.54	1	0	290
20	5423-200C 60516.27	5433-200C 64323.75	1	0	290
24	5423-240C 75643.65	5433-240C 80404.40	1	0	290

Spigot (Plain End)

2	5427-020C 466.40	5437-020C 509.60	1	12	290
2-1/2	5427-025C 630.53	5437-025C 696.72	1	12	290
3	5427-030C 642.04	5437-030C 747.60	1	8	290
4	5427-040C 806.13	5437-040C 967.37	1	4	290
6	5427-060C 1724.57	5437-060C 2049.91	1	0	290
8	5427-080C 2588.27	5437-080C 3169.84	1	0	290

Made in the U.S.A.

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas
See MSRP-1 Sheet or Check Spears® On-line Catalog @ www.spearsmfg.com for Pricing



Valves Product

Butterfly Check Valves & Butterfly Check Valve Repair Kits

Butterfly Check Valves

Butterfly Check Valve Repair Kits

CPVC (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Spigot (Plain End)

10	5427-100C 6469.22	5437-100C 7304.19	1	0	290
12	5427-120C 10615.08	5437-120C 11688.00	1	0	290
14	5427-140C 11102.79	5437-140C 23189.64	1	0	290
16	5427-160C 14682.14	5437-160C 15241.01	1	0	290
18	5427-180C 22326.67	5437-180C 25625.27	1	0	290
20	5427-200C 27909.44	5437-200C 32028.43	1	0	290
24	5427-240C 28907.49	5437-240C 80404.40	1	0	290

Threaded Ends

2	5421A-020C 463.56	5431A-020C 535.53	1	12	290
2-1/2	5421A-025C 628.02	5431A-025C 694.81	1	8	290
3	5421A-030C 638.19	5431A-030C 744.69	1	8	290
4	5421A-040C 802.29	5431A-040C 963.53	1	4	290
6	5421A-060C 1711.11	5431A-060C 2035.48	1	0	290
8	5421A-080C 2576.36	5431A-080C 3157.94	1	0	290
10	5421A-100C 6459.03	5431A-100C 7293.99	1	0	290
12	5421A-120C 10598.16	5431A-120C 11672.06	1	0	290

Grooved Ends

2	542G-020C 492.35	543G-020C 570.28	1	12	290
2-1/2	542G-025C 653.54	543G-025C 719.78	1	8	290
3	542G-030C 664.07	543G-030C 770.61	1	8	290
4	542G-040C 852.20	543G-040C 1014.17	1	4	290
6	542G-060C 1785.02	543G-060C 2110.36	1	0	290
8	542G-080C 2646.05	543G-080C 3227.62	1	0	290
10	542G-100C 6567.13	543G-100C 7402.04	1	0	290
12	542G-120C 10946.17	543G-120C 12020.03	1	0	290

PVC & CPVC Butterfly Check Valve Repair Kit is an internal assembly including:

- 1-Flex Seal Gasket Seat
- 1-Hinge Post
- 2-Flapper Plates
- 2-Flapper Covers

- 1-Post Strip
- 2-Seat Post O-rings
- Plastic Assembly Screws
- Use Existing Hinge Post Bolts

PVC Butterfly Check Valve Repair Kits

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	BFC-ERK-020 172.82	BFC-VRK-020 204.18	1	10	299
2-1/2	BFC-ERK-025 235.35	BFC-VRK-025 283.31	1	0	299
3	BFC-ERK-030 320.58	BFC-VRK-030 397.29	1	10	299
4	BFC-ERK-040 420.71	BFC-VRK-040 537.12	1	10	299
6	BFC-ERK-060 895.51	BFC-VRK-060 1130.86	1	10	299
8	BFC-ERK-080 1345.59	BFC-VRK-080 1765.92	1	10	299
10	BFC-ERK-100 3319.01	BFC-VRK-100 3923.83	1	0	299
12	BFC-ERK-120 4498.96	BFC-VRK-120 5274.94	1	0	299

CPVC Butterfly Check Valve Repair Kits

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	BFC-ERK-020C 335.32	BFC-VRK-020C 366.51	1	10	299
2-1/2	BFC-ERK-025C 454.32	BFC-VRK-025C 502.65	1	10	299
3	BFC-ERK-030C 461.87	BFC-VRK-030C 538.59	1	10	299
4	BFC-ERK-040C 580.28	BFC-VRK-040C 697.04	1	10	299
6	BFC-ERK-060C 1237.67	BFC-VRK-060C 1472.28	1	10	299
8	BFC-ERK-080C 1863.49	BFC-VRK-080C 2284.25	1	10	299
10	BFC-ERK-100C 4671.98	BFC-VRK-100C 5276.04	1	0	299
12	BFC-ERK-120C 7666.17	BFC-VRK-120C 8442.89	1	0	299