



Check Valves



PRODUCT

Contact Spears® for any Information not found.



Valves Product

True Union 2000 Industrial Ball Check Valves

True Union 2000 Industrial Ball Check Valves

Pressure Rating @ 73°F (23°C),
Water

1/2" - 4" 235 psi

6" - 8" 150 psi

All Flanged 150 psi

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

Rated for Vacuum Service

General Installation Information:

Ball check valves may be installed in either horizontal or vertical position. A minimum of ten (10) pipe diameters' distance maintained from any pump or other source of turbulence. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of flow.



Socket Style

All Valves assembled with Silicone-Free, Water Soluble Lubricant. Contact Spears® for MSRP & Availability on Custom Elastomer Seals. See Ball Valve Accessories & Repair Kits Section for Additional Options and Features

PVC Industrial

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Socket & Threaded Ends

1/2	4529-005 62.45	4539-005 70.38	1	18	604
3/4	4529-007 74.46	4539-007 78.59	1	18	604
1	4529-010 88.57	4539-010 98.72	1	18	604
1-1/4	4529-012 129.33	4539-012 145.15	1	12	604
1-1/2	4529-015 148.54	4539-015 164.85	1	8	604
2	4529-020 202.79	4539-020 225.49	1	8	604

Socket Ends

2-1/2	4522-025 491.65	4532-025 523.63	1	0	605
3	4522-030 625.68	4532-030 701.36	1	0	605
4	4522-040 922.25	4532-040 971.65	1	0	605
6	4522-060 1813.57	4532-060 2009.93	1	0	558
8	4522-080 2416.89	4532-080 2679.11	1	0	558

8" Venturied valves are 6" ball check valves fitted with 6x8 end connector adapters.

Threaded Ends

2-1/2	4521-025 491.65	4531-025 523.63	1	0	605
3	4521-030 629.71	4531-030 706.33	1	0	605
4	4521-040 922.25	4531-040 971.65	1	0	605

PVC Industrial (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Threaded Ends

6	4521-060 1813.57	4531-060 2009.93	1	0	558
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SR Threaded Ends

1/2	4521-005SR 63.73	4531-005SR 71.62	1	18	604
3/4	4521-007SR 77.49	4531-007SR 81.62	1	18	604
1	4521-010SR 91.56	4531-010SR 101.74	1	18	604
1-1/4	4521-012SR 135.34	4531-012SR 151.13	1	12	604
1-1/2	4521-015SR 158.22	4531-015SR 174.53	1	8	604
2	4521-020SR 213.26	4531-020SR 235.98	1	8	604
2-1/2	4521-025SR 518.44	4531-025SR 550.45	1	0	605
3	4521-030SR 642.81	4531-030SR 550.45	1	0	605
4	4521-040SR 953.52	4531-040SR 1002.95	1	0	605
6	4521-060SR 1865.34	4531-060SR 2063.45	1	0	558

Spigot Ends

1/2	4527-005 62.45	4537-005 70.38	1	18	604
3/4	4527-007 74.46	4537-007 78.59	1	18	604
1	4527-010 88.57	4537-010 98.72	1	12	604
1-1/4	4527-012 129.33	4537-012 145.15	1	12	604
1-1/2	4527-015 148.54	4537-015 164.85	1	8	604
2	4527-020 202.79	4537-020 225.49	1	8	604
2-1/2	4527-025 491.65	4537-025 523.63	1	0	605
3	4527-030 556.71	4537-030 702.92	1	0	605
4	4527-040 922.25	4537-040 971.65	1	0	605
6	4527-060 1813.57	4537-060 2009.93	1	0	558

Flanged Ends

1/2	4523-005 88.04	4533-005 110.51	1	8	604
3/4	4523-007 106.49	4533-007 132.52	5	0	604
1	4523-010 126.22	4533-010 154.20	1	8	604
1-1/4	4523-012 156.09	4533-012 201.80	2	0	604
1-1/2	4523-015 215.40	4533-015 234.11	3	0	604
2	4523-020 304.01	4533-020 311.21	2	0	604

Valves Product
True Union 2000 Industrial Ball Check Valves



True Union 2000 Industrial Ball Check Valves

PVC Industrial (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Flanged Ends					
2-1/2	4523-025 629.78	4533-025 733.40	1	0	605
3	4523-030 880.96	4533-030 1024.41	1	0	605
4	4523-040 1192.45	4533-040 1384.12	1	0	605
6	4523-060 2856.03	4533-060 3312.99	1	0	558
8	4523-080 3709.12	4533-080 4311.49	1	0	558

8" Venturied valves are 6" ball check valves fitted with 6x8 end connector adapters.

CPVC Industrial

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Socket & Threaded Ends					
1/2	4529-005C 92.31	4539-005C 102.76	1	18	606
3/4	4529-007C 110.48	4539-007C 122.78	1	18	606
1	4529-010C 130.36	4539-010C 144.83	1	18	606
1-1/4	4529-012C 224.52	4539-012C 249.24	1	12	606
1-1/2	4529-015C 224.52	4539-015C 249.24	1	8	606
2	4529-020C 299.88	4539-020C 334.14	1	8	606

Socket Ends

2-1/2	4522-025C 628.41	4532-025C 698.20	1	0	607
3	4522-030C 834.87	4532-030C 909.32	1	0	607
4	4522-040C 1378.99	4532-040C 1533.18	1	0	607
6	4522-060C 2847.08	4532-060C 3163.02	1	0	559
8	4522-080C 3349.53	4532-080C 4216.19	1	0	559

8" Venturied valves are 6" ball check valves fitted with 6x8 end connector adapters.

Threaded Ends

2-1/2	4521-025C 628.41	4531-025C 698.20	1	0	607
3	4521-030C 832.39	4531-030C 932.72	1	0	607
4	4521-040C 1378.99	4531-040C 1533.18	1	0	607
6	4521-060C 2847.08	4531-060C 3163.02	1	0	559

SR Threaded Ends

1/2	4521-005CSR 93.54	4531-005CSR 104.01	1	18	606
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CPVC Industrial (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
SR Threaded Ends					
3/4	4521-007CSR 113.51	4531-007CSR 125.77	1	18	606
1	4521-010CSR 133.35	4531-010CSR 147.84	1	18	606
1-1/4	4521-012CSR 230.51	4531-012CSR 258.93	1	12	606
1-1/2	4521-015CSR 230.51	4531-015CSR 258.93	1	8	606
2	4521-020CSR 310.37	4531-020CSR 344.62	1	8	606
2-1/2	4521-025CSR 655.56	4531-025CSR 725.01	1	0	607
3	4521-030CSR 655.56	4531-030CSR 977.00	1	0	607
4	4521-040CSR 1410.26	4531-040CSR 1564.47	1	0	607
6	4521-060CSR 2923.85	4531-060CSR 3239.80	1	0	559

Spigot Ends

1/2	4527-005C 92.31	4537-005C 102.76	1	18	606
3/4	4527-007C 110.48	4537-007C 122.78	1	18	606
1	4527-010C 130.36	4537-010C 144.83	1	12	606
1-1/4	4527-012C 224.52	4537-012C 249.24	1	12	606
1-1/2	4527-015C 254.95	4537-015C 249.24	1	8	606
2	4527-020C 299.88	4537-020C 334.14	1	8	606
2-1/2	4527-025C 628.41	4537-025C 698.20	1	0	607
3	4527-030C 816.62	4537-030C 904.12	1	0	607
4	4527-040C 1378.99	4537-040C 1533.18	1	0	607
6	4527-060C 2847.08	4537-060C 3163.02	1	0	559

Flanged Ends

1/2	4523-005C 114.61	4533-005C 143.22	1	8	606
3/4	4523-007C 136.75	4533-007C 173.09	1	8	606
1	4523-010C 163.28	4533-010C 201.29	1	8	606
1-1/4	4523-012C 275.40	4533-012C 341.48	1	8	606
1-1/2	4523-015C 294.23	4533-015C 367.65	1	4	606
2	4523-020C 520.24	4533-020C 557.75	1	0	606
2-1/2	4523-025C 942.56	4533-025C 1019.74	1	0	607
3	4523-030C 1052.45	4533-030C 1154.61	1	0	607



Valves Product

True Union 2000 Industrial Ball Check Valves & True Union Ball Check Valves (Regular Style)

True Union 2000 Industrial Ball Check Valves

CPVC Industrial (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Flanged Ends

4	4523-040C 1741.24	4533-040C 1869.77	1	0	607
6	4523-060C 4642.82	4533-060C 4826.68	1	0	559
8	4523-080C 5344.33	4533-080C 5815.25	1	0	559

8" Venturied valves are 6" ball check valves fitted with 6x8 end connector adapters.

True Union Ball Check Valves (Regular Style)



Socket/Threaded Style

Pressure Rating @ 73°F (23°C), Water

1/2" - 2" 235 psi
2-1/2" - 6" 150 psi
Flanged 150 psi

Maximum Service Temperature

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

Temperature/Pressure De-ratings Apply
Rated for Vacuum Service

General Installation Information:

Ball check valves may be installed in either horizontal or vertical position. A minimum of ten (10) pipe diameters' distance maintained from any pump or other source of turbulence. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of flow.

All Valves assembled with Silicone-Free, Water Soluble Lubricant

6" Venturied Valves are 4" Ball Check Valves equipped with 4x6 End Connectors.

PVC

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Socket & Threaded Ends

1/2	2229-005 68.34	2239-005 77.00	1	18	220
3/4	2229-007 81.47	2239-007 86.01	1	12	220
1	2229-010 96.88	2239-010 108.01	1	8	220
1-1/4	2229-012 141.51	2239-012 158.80	1	8	220
1-1/2	2229-015 162.52	2239-015 180.37	1	8	220
2	2229-020 221.87	2239-020 246.72	1	4	220

Socket Ends

2-1/2	2222-025 537.91	2232-025 572.89	1	0	220
3	2222-030 649.82	2232-030 755.11	1	0	220
4	2222-040 1009.03	2232-040 1063.12	1	0	220

Socket Venturied Ends

6 VENTURIED	2222-060 1363.19	2232-060 1544.12	1	0	221
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Threaded Ends

2-1/2	2221-025 537.91	2231-025 572.89	1	0	220
3	2221-030 649.82	2231-030 755.11	1	0	220
4	2221-040 1009.03	2231-040 1063.12	1	0	220

Flanged Ends

1/2	2223-005 96.35	2233-005 120.93	6	0	220
3/4	2223-007 116.51	2233-007 144.99	5	0	220
1	2223-010 138.09	2233-010 168.72	5	0	220
1-1/4	2223-012 170.80	2233-012 220.79	2	0	220
1-1/2	2223-015 235.65	2233-015 256.17	3	0	220
2	2223-020 332.62	2233-020 340.52	2	0	220
2-1/2	2223-025 689.05	2233-025 802.44	1	0	220
3	2223-030 963.85	2233-030 1120.82	1	0	220
4	2223-040 1304.68	2233-040 1514.38	1	0	220

Flanged Venturied Ends

6 VENTURIED	2223-060 1632.81	2233-060 1821.78	1	0	221
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True Union Ball Check Valves (Regular Style) & Foot Valve Screens



True Union Ball Check Valves (Regular Style)

CPVC

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Socket & Threaded Ends					
1/2	2229-005C 101.00	2239-005C 112.43	1	18	222
3/4	2229-007C 120.89	2239-007C 134.34	1	12	222
1	2229-010C 142.65	2239-010C 158.47	1	8	222
1-1/4	2229-012C 245.64	2239-012C 272.71	1	8	222
1-1/2	2229-015C 297.04	2239-015C 313.98	1	8	222
2	2229-020C 328.94	2239-020C 365.60	1	4	222

Socket Ends

2-1/2	2222-025C 687.56	2232-025C 763.93	1	0	222
3	2222-030C 1119.92	2232-030C 1225.55	1	0	222
4	2222-040C 1508.78	2232-040C 1677.48	1	0	222

Socket Venturied Ends

6 VENTURIED	2222-060C 1946.33	2232-060C 2180.68	1	0	223
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Threaded Ends

2-1/2	2221-025C 687.56	2231-025C 763.93	1	0	222
3	2221-030C 1119.92	2231-030C 1225.55	1	0	222
4	2221-040C 1508.78	2231-040C 1677.48	1	0	222

Flanged Ends

1/2	2223-005C 125.41	2233-005C 156.69	6	0	222
3/4	2223-007C 149.61	2233-007C 189.41	5	0	222
1	2223-010C 178.64	2233-010C 220.23	5	0	222
1-1/4	2223-012C 301.33	2233-012C 373.62	2	0	222
1-1/2	2223-015C 321.92	2233-015C 402.25	3	0	222
2	2223-020C 569.19	2233-020C 610.25	2	0	222
2-1/2	2223-025C 905.69	2233-025C 1031.27	1	0	222
3	2223-030C 1151.53	2233-030C 1263.29	1	0	222
4	2223-040C 1905.12	2233-040C 2045.75	1	0	222

Flanged Venturied Ends

CPVC (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Flanged Venturied Ends					
6 VENTURIED	2223-060C 2296.67	2233-060C 2486.01	1	0	223

Foot Valve Screens

Convert Check Valve to Foot Valve using adapter - Fits all Socket Ball Check Valves or any IPS fitting socket or thread

Standard Foot Valve Screen



PVC/CPVC Spigot

Compact Foot Valve Screen



PVC Gray Spigot Or Threaded

Compact Foot Valve Screens



PE Black Threaded Only

Foot Valve Screens - PVC

Size	PVC	CPVC	Std Pk	Mstr Pk	Prod Code
Spigot					
1/2	FVS-005 50.43	FVS-005C 69.64	10	60	299
3/4	FVS-007 59.87	FVS-007C 75.13	10	60	299
1	FVS-010 72.83	FVS-010C 85.28	10	40	299
1-1/4	FVS-012 106.01	FVS-012C 131.72	5	30	299
1-1/2	FVS-015 111.66	FVS-015C 136.77	5	0	299
2	FVS-020 126.03	FVS-020C 150.98	5	0	299
2-1/2	FVS-025 173.35	FVS-025C 219.98	5	0	299
3	FVS-030 178.32	FVS-030C 244.97	5	0	299
4	FVS-040 210.98	FVS-040C 350.12	5	0	299
6	FVS-060 285.71	FVS-060C 500.31	5	0	299

PVC Compact Foot Valve Screen

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
Spigot					
CFVS7-005	1/2	50	300	299	3.11
CFVS7-007	3/4	25	150	299	3.54
CFVS7-010	1	25	150	299	4.19
CFVS7-012	1-1/4	50	0	299	5.33
CFVS7-015	1-1/2	25	0	299	8.93
CFVS7-020	2	25	0	299	10.16



Foot Valve Screens & Y-Check Valves

Foot Valve Screens

PVC Compact Foot Valve Screen

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
Threaded					
CFVS1-005	1/2	50	300	299	3.11
CFVS1-007	3/4	25	150	299	3.54
CFVS1-010	1	20	120	299	4.19
CFVS1-012	1-1/4	50	0	299	5.33
CFVS1-015	1-1/2	25	0	299	8.93
CFVS1-020	2	25	0	299	10.16

HDPE Black Compact Foot Valve Screen

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
Threaded					
CFVS1-005P	1/2	50	300	299	3.72
CFVS1-007P	3/4	25	150	299	4.46
CFVS1-010P	1	20	120	299	5.12
CFVS1-012P	1-1/4	50	0	299	5.88
CFVS1-015P	1-1/2	25	0	299	10.02
CFVS1-020P	2	25	0	299	11.23

Y-Check Valves



PVC Clear — Socket Style



Flanged Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 150 psi
 3" - 4" 90 psi

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

Temperature/Pressure De-ratings Apply

PVC - Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1622-005 98.18	1632-005 108.88	1	18	627
3/4	1622-007 105.32	1632-007 117.83	1	18	627
1	1622-010 116.03	1632-010 128.51	1	12	627
1-1/4	1622-012 182.07	1632-012 201.72	1	8	627
1-1/2	1622-015 198.13	1632-015 219.56	1	8	627

PVC - Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	1622-020 246.34	1632-020 273.12	1	4	627
3	1622-030 487.32	1632-030 540.85	1	0	627
4	1622-040 849.67	1632-040 944.28	1	0	627

PVC - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005SR 101.75	1631-005SR 112.47	1	18	627
3/4	1621-007SR 110.66	1631-007SR 123.17	1	12	627
1	1621-010SR 123.17	1631-010SR 135.65	1	8	627
1-1/4	1621-012SR 192.78	1631-012SR 212.42	1	8	627
1-1/2	1621-015SR 214.20	1631-015SR 235.62	1	4	627
2	1621-020SR 264.18	1631-020SR 290.96	1	0	627
3	1621-030SR 535.53	1631-030SR 589.05	1	0	627
4	1621-040SR 899.65	1631-040SR 994.25	1	0	627

PVC - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005 128.51	1633-005 142.81	1	8	627
3/4	1623-007 141.01	1633-007 157.08	1	4	627
1	1623-010 165.07	1633-010 189.21	1	8	627
1-1/4	1623-012 262.39	1633-012 290.96	1	4	627
1-1/2	1623-015 278.48	1633-015 308.80	1	4	627
2	1623-020 373.06	1633-020 414.11	1	0	627
3	1623-030 730.06	1633-030 810.39	1	0	627
4	1623-040 1165.61	1633-040 1294.14	1	0	627

PVC Clear - Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1622-005CL 98.18	1632-005CL 108.88	1	18	628
3/4	1622-007CL 105.32	1632-007CL 117.83	1	18	628
1	1622-010CL 116.03	1632-010CL 128.51	1	12	628
1-1/4	1622-012CL 182.07	1632-012CL 201.72	1	8	628
1-1/2	1622-015CL 198.13	1632-015CL 219.56	1	8	628

Valves Product
Y-Check Valves



Y-Check Valves

PVC Clear - Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	1622-020CL 246.34	1632-020CL 273.12	1	4	628
3	1622-030CL 487.32	1632-030CL 540.85	1	0	628
4	1622-040CL 849.67	1632-040CL 944.28	1	0	628

PVC Clear - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005CLSR 101.75	1631-005CLSR 112.47	1	18	628
3/4	1621-007CLSR 110.66	1631-007CLSR 123.17	1	12	628
1	1621-010CLSR 123.17	1631-010CLSR 135.65	1	8	628
1-1/4	1621-012CLSR 192.78	1631-012CLSR 212.42	1	8	628
1-1/2	1621-015CLSR 214.20	1631-015CLSR 235.62	1	4	628
2	1621-020CLSR 264.18	1631-020CLSR 290.96	1	0	628
3	1621-030CLSR 535.53	1631-030CLSR 589.05	1	0	628
4	1621-040CLSR 899.65	1631-040CLSR 994.25	1	0	628

PVC Clear - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005CL 128.51	1633-005CL 142.81	1	8	628
3/4	1623-007CL 141.01	1633-007CL 157.08	1	8	628
1	1623-010CL 169.57	1633-010CL 189.21	1	8	628
1-1/4	1623-012CL 262.39	1633-012CL 290.96	1	4	628
1-1/2	1623-015CL 278.48	1633-015CL 308.80	1	4	628
2	1623-020CL 373.06	1633-020CL 414.11	1	0	628
3	1623-030CL 730.06	1633-030CL 810.39	1	0	628
4	1623-040CL 1165.61	1633-040CL 1294.14	1	0	628

CPVC - Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1622-005C 141.01	1632-005C 155.29	1	18	629
3/4	1622-007C 151.74	1632-007C 167.79	1	18	629
1	1622-010C 166.01	1632-010C 183.85	1	12	629
1-1/4	1622-012C 260.61	1632-012C 289.18	1	8	629

CPVC - Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/2	1622-015C 283.82	1632-015C 314.16	1	8	629
2	1622-020C 351.64	1632-020C 390.91	1	4	629
3	1622-030C 1006.37	1632-030C 1126.06	1	0	629
4	1622-040C 1213.78	1632-040C 1349.45	1	0	629

CPVC - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005CSR 144.58	1631-005CSR 160.64	1	18	629
3/4	1621-007CSR 157.08	1631-007CSR 174.94	1	12	629
1	1621-010CSR 174.94	1631-010CSR 192.78	1	8	629
1-1/4	1621-012CSR 274.89	1631-012CSR 301.66	1	8	629
1-1/2	1621-015CSR 307.01	1631-015CSR 337.38	1	4	629
2	1621-020CSR 376.63	1631-020CSR 415.93	1	0	629
3	1621-030CSR 765.77	1631-030CSR 842.53	1	0	629
4	1621-040CSR 1283.41	1631-040CSR 1419.09	1	0	629

CPVC - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005C 183.85	1633-005C 189.25	1	8	629
3/4	1623-007C 201.72	1633-007C 224.91	1	8	629
1	1623-010C 242.78	1633-010C 270.26	1	8	629
1-1/4	1623-012C 374.86	1633-012C 415.93	1	4	629
1-1/2	1623-015C 396.25	1633-015C 440.89	1	4	629
2	1623-020C 531.93	1633-020C 590.82	1	0	629
3	1623-030C 1042.45	1633-030C 1158.47	1	0	629
4	1623-040C 1663.62	1633-040C 1849.27	1	0	629

PVC - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005 107.11	163A-005 117.83	1	12	627
3/4	162A-007 114.23	163A-007 128.51	1	8	627
1	162A-010 126.74	163A-010 139.21	1	8	627
1-1/4	162A-012 198.13	163A-012 219.56	1	4	627



Valves Product
Y-Check Valves

Y-Check Valves

PVC - True Union Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/2	162A-015 215.99	163A-015 239.20	1	0	627
2	162A-020 267.75	163A-020 296.29	2	0	627
3	162A-030 530.14	163A-030 578.35	1	0	627
4	162A-040 924.64	163A-040 1026.39	1	0	627

PVC - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005 107.11	163B-005 117.83	1	12	627
3/4	162B-007 114.23	163B-007 128.51	1	8	627
1	162B-010 126.74	163B-010 139.21	1	8	627
1-1/4	162B-012 196.37	163B-012 219.56	1	4	627
1-1/2	162B-015 215.99	163B-015 239.20	1	0	627
2	162B-020 267.75	163B-020 296.29	2	0	627
3	162B-030 530.14	163B-030 578.35	1	0	627
4	162B-040 924.64	163B-040 1026.39	1	0	627

PVC - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005SR 110.66	163B-005SR 121.39	1	12	627
3/4	162B-007SR 119.59	163B-007SR 132.09	1	8	627
1	162B-010SR 132.09	163B-010SR 146.38	1	8	627
1-1/4	162B-012SR 208.84	163B-012SR 230.25	1	4	627
1-1/2	162B-015SR 233.83	163B-015SR 257.04	1	0	627
2	162B-020SR 287.39	163B-020SR 317.72	1	0	627
3	162B-030SR 581.91	163B-030SR 640.83	1	0	627
4	162B-040SR 976.40	163B-040SR 1079.93	1	0	627

PVC Clear - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005CL 107.11	163A-005CL 117.83	1	12	628
3/4	162A-007CL 114.23	163A-007CL 128.51	1	8	628
1	162A-010CL 126.74	163A-010CL 139.21	1	8	628

PVC Clear - True Union Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/4	162A-012CL 198.13	163A-012CL 219.56	1	4	628
1-1/2	162A-015CL 215.99	163A-015CL 239.20	1	0	628
2	162A-020CL 267.75	163A-020CL 296.29	2	0	628
3	162A-030CL 530.14	163A-030CL 578.35	1	0	628
4	162A-040CL 924.64	163A-040CL 1026.39	1	0	628

PVC Clear - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CL 107.11	163B-005CL 117.83	1	12	628
3/4	162B-007CL 114.23	163B-007CL 128.51	1	8	628
1	162B-010CL 126.74	163B-010CL 139.21	1	8	628
1-1/4	162B-012CL 198.13	163B-012CL 219.56	1	4	628
1-1/2	162B-015CL 215.99	163B-015CL 239.20	1	0	628
2	162B-020CL 267.75	163B-020CL 296.29	2	0	628
3	162B-030CL 530.14	163B-030CL 578.35	1	0	628
4	162B-040CL 924.64	163B-040CL 1026.39	1	0	628

PVC Clear - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CLSR 110.66	163B-005CLSR 121.39	1	12	628
3/4	162B-007CLSR 119.59	163B-007CLSR 132.09	1	8	628
1	162B-010CLSR 132.09	163B-010CLSR 146.38	1	8	628
1-1/4	162B-012CLSR 208.84	163B-012CLSR 230.25	1	4	628
1-1/2	162B-015CLSR 233.83	163B-015CLSR 257.04	1	0	628
2	162B-020CLSR 287.39	163B-020CLSR 317.72	1	0	628
3	162B-030CLSR 581.91	163B-030CLSR 640.83	1	0	628
4	162B-040CLSR 976.40	163B-040CLSR 1079.93	1	0	628

CPVC - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005C 153.52	163A-005C 169.57	1	12	629
3/4	162A-007C 164.22	163A-007C 183.85	1	8	629
1	162A-010C 180.28	163A-010C 199.93	1	8	629

Valves Product
Y-Check Valves & Y-Check Valve Repair Kits



Y-Check Valves

CPVC - True Union Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/4	162A-012C 282.04	163A-012C 314.16	1	4	629
1-1/2	162A-015C 307.01	163A-015C 340.96	1	0	629
2	162A-020C 381.99	163A-020C 424.82	2	0	629
3	162A-030C 756.84	163A-030C 826.44	1	0	629
4	162A-040C 1319.13	163A-040C 1465.49	1	0	629

CPVC - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005C 153.52	163B-005C 169.57	1	12	629
3/4	162B-007C 164.22	163B-007C 183.85	1	8	629
1	162B-010C 180.28	163B-010C 199.93	1	8	629
1-1/4	162B-012C 282.04	163B-012C 314.16	1	4	629
1-1/2	162B-015C 307.01	163B-015C 340.96	1	0	629
2	162B-020C 381.99	163B-020C 424.82	2	0	629
3	162B-030C 756.84	163B-030C 826.44	1	0	629
4	162B-040C 1319.13	163B-040C 1465.49	1	0	629

CPVC - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CSR 157.08	163B-005CSR 173.14	1	12	629
3/4	162B-007CSR 171.37	163B-007CSR 189.21	1	8	629
1	162B-010CSR 189.21	163B-010CSR 208.84	1	8	629
1-1/4	162B-012CSR 298.08	163B-012CSR 328.44	1	4	629
1-1/2	162B-015CSR 333.80	163B-015CSR 365.91	1	0	629
2	162B-020CSR 410.55	163B-020CSR 451.60	1	0	629
3	162B-030CSR 831.82	163B-030CSR 913.94	1	0	629
4	162B-040CSR 1395.88	163B-040CSR 1542.26	1	0	629

Y-Check Valve Repair Kits

All Kits include:
1-Seat
1-Bonnet O-ring
1-Plug O-ring

All Union Kits include:
1-Seat
1-Bonnet O-ring
1-Plug O-ring
2-End Connector O-rings

Y-Check Valve - Seat & O-ring Repair Kits

Size	Standard EPDM O-ring	Standard FKM O-ring	Std Pk	Mstr Pk	Prod Code
1/2	YC-ERK-005 3.86	YC-VRK-005 11.43	1	10	299
3/4	YC-ERK-007 4.43	YC-VRK-007 12.34	1	10	299
1	YC-ERK-010 4.52	YC-VRK-010 16.75	1	10	299
1-1/4	YC-ERK-012 4.73	YC-VRK-012 31.15	1	10	299
1-1/2	YC-ERK-015 8.22	YC-VRK-015 34.01	1	10	299
2	YC-ERK-020 11.06	YC-VRK-020 40.71	1	10	299
3	YC-ERK-030 19.08	YC-VRK-030 106.78	1	10	299
4	YC-ERK-040 24.69	YC-VRK-040 153.73	1	10	299

Y-Check Valve - Seat & O-ring Repair Kit

Size	True Union w/EPDM O-ring	True Union w/FKM O-ring	Std Pk	Mstr Pk	Prod Code
1/2	YC-UERK-005 4.52	YC-UVRK-005 13.72	1	10	299
3/4	YC-UERK-007 5.24	YC-UVRK-007 15.34	1	10	299
1	YC-UERK-010 5.51	YC-UVRK-010 22.19	1	10	299
1-1/4	YC-UERK-012 6.87	YC-UVRK-012 38.95	1	10	299
1-1/2	YC-UERK-015 11.54	YC-UVRK-015 48.41	1	10	299
2	YC-UERK-020 15.27	YC-UVRK-020 58.72	1	10	299
3	YC-UERK-030 33.17	YC-UVRK-030 135.48	1	10	299
4	YC-UERK-040 36.75	YC-UVRK-040 189.66	1	10	299



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
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
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

Valves Product
Butterfly Check Valves



Butterfly Check Valves

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



Valves Product

Butterfly Check Valves & Butterfly Check Valve Repair Kits

Butterfly Check Valves

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

Butterfly Check Valve Repair Kits

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

Valves Product
Industrial Swing Check Valves



Industrial Swing Check Valves



Threaded Bonnet on Sizes 3/4", 1" & 1-1/4" **Bolted Bonnet on Sizes 1-1/2" & Up**
(Valve Shown with Arrow Indicator Option)

Pressure Rating @ 73°F (23°C), Water
3/4" - 4" 150 psi
6" 100 psi
8" 70 psi

Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
PP = 180°F (82°C)

Temperature/Pressure De-ratings Apply

All Valves Assembled with Silicone-Free Lubricants

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec.

Industrial Swing Check Valves

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PVC					
3/4	4423-007 542.79	4433-007 574.15	1	12	108
1	4423-010 625.52	4433-010 681.69	1	4	108
1-1/4	4423-012 782.45	4433-012 827.87	1	0	108
1-1/2	4423-015 857.77	4433-015 958.31	1	0	108
2	4423-020 987.52	4433-020 1097.26	1	0	108
2-1/2	4423-025 1652.68	4433-025 1949.67	1	0	110
3	4423-030 1848.28	4433-030 2422.08	1	0	110
4	4423-040 2355.80	4433-040 2765.92	1	0	110
6	4423-060 4477.18	4433-060 5255.02	1	0	110

Industrial Swing Check Valves (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PVC					
8	4423-080 8578.55	4433-080 10027.19	1	0	110
CPVC					
3/4	4423-007C 857.63	4433-007C 953.05	1	12	109
1	4423-010C 988.96	4433-010C 1099.64	1	4	109
1-1/4	4423-012C 1237.09	4433-012C 1373.92	1	0	109
1-1/2	4423-015C 1276.33	4433-015C 1734.64	1	0	109
2	4423-020C 1645.86	4433-020C 1828.72	1	0	109
2-1/2	4423-025C 2727.52	4433-025C 3236.66	1	0	111
3	4423-030C 3407.04	4433-030C 3665.95	1	0	111
4	4423-040C 3909.45	4433-040C 4610.53	1	0	111
6	4423-060C 8000.73	4433-060C 8762.43	1	0	111
8	4423-080C 14276.06	4433-080C 16694.46	1	0	111
PP					
3/4	4423-007P 624.15	4433-007P 693.47	1	12	113
1	4423-010P 746.67	4433-010P 813.78	1	4	113
1-1/4	4423-012P 894.91	4433-012P 994.25	1	0	113
1-1/2	4423-015P 1111.11	4433-015P 1209.04	1	0	113
2	4423-020P 1187.98	4433-020P 1334.80	1	0	113
2-1/2	4423-025P 1977.98	4433-025P 2200.20	1	0	112
3	4423-030P 2079.48	4433-030P 2486.60	1	0	112
4	4423-040P 2828.55	4433-040P 3139.66	1	0	112
6	4423-060P 5358.08	4433-060P 5958.13	1	0	112
8	4423-080P 10256.16	4433-080P 11270.55	1	0	112

Swing Check Valve With Arrow Indicator

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PVC					
3/4	4423I-007 551.72	4433I-007 583.09	1	12	108
1	4423I-010 634.43	4433I-010 710.27	1	4	108
1-1/4	4423I-012 810.22	4433I-012 890.35	1	0	108
1-1/2	4423I-015 939.63	4433I-015 1026.59	1	0	108



Industrial Swing Check Valves

Industrial Swing Check Valves

Swing Check Valve With Arrow Indicator (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PVC					
2	4423I-020 1017.39	4433I-020 1110.54	1	0	108
2-1/2	4423I-025 1662.11	4433I-025 1849.05	1	0	110
3	4423I-030 1935.67	4433I-030 1849.05	1	0	110
4	4423I-040 2365.36	4433I-040 2811.04	1	0	110
6	4423I-060 4486.53	4433I-060 5298.31	1	0	110
8	4423I-080 8714.91	4433I-080 10078.43	1	0	110

CPVC

3/4	4423I-007C 867.11	4433I-007C 961.94	1	12	109
1	4423I-010C 997.88	4433I-010C 1110.35	1	4	109
1-1/4	4423I-012C 1231.12	4433I-012C 1386.41	1	0	109
1-1/2	4423I-015C 1416.00	4433I-015C 1755.92	1	0	109
2	4423I-020C 1658.73	4433I-020C 1876.52	1	0	109
2-1/2	4423I-025C 2736.79	4433I-025C 3282.45	1	0	111
3	4423I-030C 2937.14	4433I-030C 3819.11	1	0	111
4	4423I-040C 3935.48	4433I-040C 4637.77	1	0	111
6	4423I-060C 8119.54	4433I-060C 8771.92	1	0	111
8	4423I-080C 14291.40	4433I-080C 16747.24	1	0	111

Industrial Swing Check Valve With Arrow Indicator

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
3/4	4423I-007P 633.06	4433I-007P 702.40	1	12	113
1	4423I-010P 759.16	4433I-010P 876.25	1	4	113
1-1/4	4423I-012P 975.22	4433I-012P 1082.54	1	0	113
1-1/2	4423I-015P 1253.65	4433I-015P 1082.54	1	0	113
2	4423I-020P 1220.77	4433I-020P 1384.33	1	0	113
2-1/2	4423I-025P 1989.48	4433I-025P 2229.56	1	0	112
3	4423I-030P 2479.48	4433I-030P 2587.95	1	0	112
4	4423I-040P 2840.05	4433I-040P 3151.22	1	0	112
6	4423I-060P 5473.73	4433I-060P 6008.35	1	0	112

Industrial Swing Check Valve With Arrow Indicator (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
8	4423I-080P 10332.55	4433I-080P 11384.46	1	0	112

Contact Spears® for MSRP on Additional Specialty Valve Accessories Available:

- Arrow Indicator Kits for Field Installation
- Counter Balance Kits for Field Installation

Swing Check Valve With Counter Balance

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PVC					
3/4	4423CB-007 858.57	4433CB-007 918.87	1	8	108
1	4423CB-010 960.43	4433CB-010 1028.77	1	4	108
1-1/4	4423CB-012 1160.09	4433CB-012 1205.95	1	0	108
1-1/2	4423CB-015 1244.68	4433CB-015 1453.72	1	0	108
2	4423CB-020 1373.27	4433CB-020 1662.24	1	0	108
2-1/2	4423CB-025 2066.46	4433CB-025 2362.75	1	0	110
3	4423CB-030 2327.18	4433CB-030 2685.08	1	0	110
4	4423CB-040 2788.47	4433CB-040 3198.57	1	0	110
6	4423CB-060 4971.82	4433CB-060 4971.82	1	0	110
8	4423CB-080 9968.21	4433CB-080 10512.37	1	0	110

CPVC

3/4	4423CB-007C 1331.12	4433CB-007C 1451.08	1	12	109
1	4423CB-010C 1444.28	4433CB-010C 1569.74	1	4	109
1-1/4	4423CB-012C 1231.12	4433CB-012C 1691.04	1	0	109
1-1/2	4423CB-015C 1691.04	4433CB-015C 1955.54	1	0	109
2	4423CB-020C 2197.95	4433CB-020C 2380.85	1	0	109
2-1/2	4423CB-025C 3317.65	4433CB-025C 3826.91	1	0	111
3	4423CB-030C 3591.60	4433CB-030C 4758.20	1	0	111
4	4423CB-040C 4444.05	4433CB-040C 5228.61	1	0	111
6	4423CB-060C 8707.38	4433CB-060C 9469.03	1	0	111
8	4423CB-080C 14995.01	4433CB-080C 17413.25	1	0	111



Industrial Swing Check Valves

Industrial Swing Check Valve With Counter Balance

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
3/4	4423CB-007P 798.91	4433CB-007P 887.65	1	12	113
1	4423CB-010P 955.72	4433CB-010P 1041.62	1	4	113
1-1/4	4423CB-012P 975.22	4433CB-012P 1500.67	1	0	113
1-1/2	4423CB-015P 1378.47	4433CB-015P 1850.96	1	0	113
2	4423CB-020P 1484.98	4433CB-020P 1668.49	1	0	113
2-1/2	4423CB-025P 2292.57	4433CB-025P 2816.25	1	0	112
3	4423CB-030P 2789.39	4433CB-030P 3489.95	1	0	112
4	4423CB-040P 3194.26	4433CB-040P 3509.14	1	0	112
6	4423CB-060P 5943.00	4433CB-060P 7626.39	1	0	112
8	4423CB-080P 10849.49	4433CB-080P 11863.92	1	0	112

Industrial Swing Check Valve Accessory and Repair Kits

Repair Kits include:

- 1-Bonnet O-ring
- 1-Disc O-ring
- 1-Seat O-ring

- 1-Plug O-ring
- 1-Arm Plug O-ring

Industrial Swing Check Valve Repair Kits

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
3/4	SK-ERK-007 29.13	SK-VRK-007 35.52	1	10	299
1	SK-ERK-010 38.05	SK-VRK-010 46.40	1	10	299
1-1/2 & 1-1/4	SK-ERK-015 90.98	SK-VRK-015 115.06	1	10	299
2	SK-ERK-020 97.67	SK-VRK-020 119.09	1	10	299
2-1/2	SK-ERK-025 103.29	SK-VRK-025 132.20	1	10	299
3	SK-ERK-030 117.11	SK-VRK-030 142.91	1	10	299
4	SK-ERK-040 127.78	SK-VRK-040 155.81	1	10	299
6	SK-ERK-060 253.96	SK-VRK-060 299.80	1	10	299
8	SK-ERK-080 319.55	SK-VRK-080 387.66	1	10	299

Utility Swing Check Valves



Pressure Rating @ 73°F (23°C), Water

1/2" - 4" Full Flow (open)	150 psi
Back Pressure (closed)	75 psi
6" - 8" Full Flow (open)	100 psi
Back Pressure (closed)	50 psi

Maximum Service Temperature
140°F (60°C)

Temperature/Pressure De-ratings
Apply
EPDM Seat

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in an up-flow only vertical position. Check valves **MUST** be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure less than 0.5 psi.

PVC White Swing Check

Size	Socket	Thread	SR Threaded	Std Pk	Mstr Pk	Prod Code
1/2	S1520-05 18.48	S1520-05F 18.48	S1520-05FSR 21.56	35	0	026
3/4	S1520-07 19.08	S1520-07F 19.08	S1520-07FSR 23.46	35	0	026
1	S1520-10 19.87	S1520-10F 19.87	S1520-10FSR 25.98	20	0	026
1-1/4	S1520-12 20.64	S1520-12F 20.64	S1520-12FSR 30.45	12	0	026
1-1/2	S1520-15 21.88	S1520-15F 21.88	S1520-15FSR 38.62	12	0	026
2	S1520-20 33.96	S1520-20F 33.96	S1520-20FSR 52.14	15	0	026
2-1/2	S1520-25 56.49	S1520-25F 56.49	S1520-25FSR 74.67	5	0	026
3	S1520-30 62.78	S1520-30F 62.78	S1520-30FSR 111.35	4	0	026
4	S1520-40 88.88	S1520-40F 88.88	S1520-40FSR 139.21	2	0	026
6	S1520-60 186.77	S1520-60F 186.77	S1520-60FSR 246.35	1	0	026
8	S1520-80 346.96	---	---	1	0	026

PVC Clear Swing Check

Size	Socket	Thread	SR Threaded	Std Pk	Mstr Pk	Prod Code
1/2	S1520C05 25.13	S1520C05F 25.13	S1520C05FSR 28.20	35	0	026
3/4	S1520C07 25.63	S1520C07F 25.63	S1520C07FSR 30.05	35	0	026
1	S1520C10 26.12	S1520C10F 26.12	S1520C10FSR 32.23	20	0	026
1-1/4	S1520C12 27.42	S1520C12F 27.42	S1520C12FSR 37.20	12	0	026
1-1/2	S1520C15 29.80	S1520C15F 29.80	S1520C15FSR 46.57	12	0	026
2	S1520C20 42.91	S1520C20F 42.91	S1520C20FSR 61.07	15	0	026



Valves Product

Utility Swing Check Valves & True Union Utility Swing Check Valves & Compression Utility Swing Check Valves

Utility Swing Check Valves

PVC Clear Swing Check (continued)

Size	Socket	Thread	SR Threaded	Std Pk	Mstr Pk	Prod Code
2-1/2	S1520C25 71.52	S1520C25F 71.52	S1520C25FSR 99.69	5	0	026
3	S1520C30 79.46	S1520C30F 79.46	S1520C30FSR 128.02	4	0	026
4	S1520C40 106.97	S1520C40F 106.97	S1520C40FSR 157.26	2	0	026
6	S1520C60 221.08	S1520C60F 221.08	S1520C60FSR 280.67	1	0	026
8	S1520C80 369.29	---	---	1	0	026

True Union Utility Swing Check Valves



Pressure Rating @ 73°F (23°C), Water

Full Flow (open) 150 psi
Back Pressure (closed) 75 psi

Maximum Service Temperature
140°F (60°C)

Temperature/Pressure De-ratings Apply
EPDM Seat

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in an up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure less than 0.5 psi.

PVC White True Union Swing Check

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1720-05 21.02	S1720-05F 21.02	S1720-05FSR 24.07	35	0	026
3/4	S1720-07 21.66	S1720-07F 21.66	S1720-07FSR 26.08	30	0	026
1	S1720-10 22.57	S1720-10F 22.57	S1720-10FSR 28.68	18	0	026
1-1/4	S1720-12 23.76	S1720-12F 23.76	S1720-12FSR 33.54	12	0	026
1-1/2	S1720-15 26.12	S1720-15F 26.12	S1720-15FSR 42.89	10	0	026
2	S1720-20 39.23	S1720-20F 39.23	S1720-20FSR 57.33	10	0	026
2-1/2	S1720-25 65.42	S1720-25F 65.42	S1720-25FSR 93.56	2	0	026
3	S1720-30 83.53	S1720-30F 83.53	S1720-30FSR 132.12	2	0	026
4	S1720-40 112.75	S1720-40F 112.75	S1720-40FSR 162.57	1	0	026

PVC Clear True Union Swing Check

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1720C05 27.22	S1720C05F 27.22	S1720C05FSR 30.28	35	0	026
3/4	S1720C07 27.67	S1720C07F 27.67	S1720C07FSR 32.08	30	0	026
1	S1720C10 30.24	S1720C10F 30.24	S1720C10FSR 36.35	18	0	026
1-1/4	S1720C12 31.85	S1720C12F 31.85	S1720C12FSR 41.63	12	0	026
1-1/2	S1720C15 34.16	S1720C15F 34.16	S1720C15FSR 50.93	10	0	026
2	S1720C20 48.05	S1720C20F 48.05	S1720C20FSR 66.24	10	0	026
2-1/2	S1720C25 78.92	S1720C25F 78.92	S1720C25FSR 107.08	2	0	026
3	S1720C30 90.82	S1720C30F 90.82	S1720C30FSR 139.39	2	0	026
4	S1720C40 121.09	S1720C40F 121.09	S1720C40FSR 171.35	1	0	026

Compression Utility Swing Check Valves



Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 75 psi

Maximum Service Temperature
140°F (60°C)

Temperature/Pressure De-ratings Apply

- Standard Swing Check Assembly Maintains a Positive Seal
- Convenient Compression Ends for Quick Connections
- Engineered for Maximum Flow, Quick Response & Positive Shutoff
- Excellent for Pool & Spa, OEM and General Purpose Applications
- Compact, Space-Saving Design
- Replaceable PVC White or Clear Sealed Unit
- High Grade EPDM Seat
- Suitable for Horizontal or Vertical Up-flow Installations
- Pressure Rated to 150 psi @ 73°F Full Flow (open), 75 psi Back Pressure (closed)
- Maximum Service Temperature 140°F (temperature/pressure de-ratings apply)

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure less than 0.5 psi.

PVC White Compression End Swing Check

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
Compression End					
S1500-05	1/2	20	0	026	24.57
S1500-07	3/4	35	0	026	25.85
S1500-10	1	20	0	026	26.94



Compression Utility Swing Check Valves

PVC White Compression End Swing Check (continued)

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
Compression End					
S1500-12	1-1/4	12	0	026	31.63
S1500-15	1-1/2	12	0	026	35.29
S1500-20	2	10	0	026	55.66
S1500-25	2-1/2	5	0	026	92.98
S1500-30	3	4	0	026	120.69
S1500-40	4	2	0	026	185.42

PVC Clear Compression End Swing Check

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
Compression End					
S1500C05	1/2	35	0	026	27.01
S1500C07	3/4	35	0	026	29.07
S1500C10	1	20	0	026	29.67
S1500C12	1-1/4	12	0	026	33.31
S1500C15	1-1/2	12	0	026	37.54
S1500C20	2	10	0	026	56.04
S1500C25	2-1/2	5	0	026	94.01
S1500C30	3	4	0	026	137.31
S1500C40	4	2	0	026	189.19

Compression Coupling Nut Wrenches

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
CCW-005	1/2	1	50	299	13.22
CCW-007	3/4	1	50	299	13.45
CCW-010	1	1	50	299	14.02
CCW-012	1-1/4	1	50	299	15.86
CCW-015	1-1/2	1	50	299	17.11
CCW-020 ¹	2	1	50	299	19.12
CCW-030 ²	3	1	25	299	23.52

¹ CCW-20 - Wrench also fits 2-1/2" Coupling Body

² CCW-30 - Wrench also fits 4" Coupling Body

Compression Coupling Nut Wrench Sets

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
CCW-000	Set	1	25	299	110.45

Complete Set of Wrenches, Sizes 1/2" - 3"

Utility Spring Check Valves

(Spring Assisted Swing Check)



Pressure Rating @ 73°F (23°C), Water
 Full Flow (open) 150 psi
 Back Pressure (closed) 75 psi

Maximum Service Temperature
 140°F (60°C)

Temperature/Pressure De-ratings Apply
 EPDM Seat

Stainless Steel Spring Assisted
 (non-adjustable)

General Installation Information: Spring check valves are designed for horizontal installations, but may be installed in an up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure less than 0.5 psi.

PVC White Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1580-05	S1580-05F	S1580-05FSR	20	0	026
	36.39	36.39	39.46			
3/4	S1580-07	S1580-07F	S1580-07FSR	20	0	026
	41.19	41.19	45.57			
1	S1580-10	S1580-10F	S1580-10FSR	20	0	026
	42.91	42.91	49.00			
1-1/4	S1580-12	S1580-12F	S1580-12FSR	12	0	026
	44.67	44.67	54.48			
1-1/2	S1580-15	S1580-15F	S1580-15FSR	12	0	026
	47.56	47.56	64.28			
2	S1580-20	S1580-20F	S1580-20FSR	15	0	026
	49.85	49.85	68.02			
2-1/2	S1580-25	S1580-25F	S1580-25FSR	4	0	026
	88.47	88.47	116.65			
3	S1580-30	S1580-30F	S1580-30FSR	4	0	026
	92.27	92.27	140.85			
4	S1580-40	S1580-40F	S1580-40FSR	2	0	026
	130.96	130.96	181.28			

PVC Clear Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1580C05	S1580C05F	S1580C05FSR	20	0	026
	37.49	37.49	40.61			
3/4	S1580C07	S1580C07F	S1580C07FSR	20	0	026
	42.45	42.45	46.88			
1	S1580C10	S1580C10F	S1580C10FSR	20	0	026
	44.25	44.25	50.34			
1-1/4	S1580C12	S1580C12F	S1580C12FSR	12	0	026
	46.07	46.07	55.85			
1-1/2	S1580C15	S1580C15F	S1580C15FSR	12	0	026
	48.81	48.81	65.59			
2	S1580C20	S1580C20F	S1580C20FSR	15	0	026
	50.66	50.66	68.82			



Valves Product

Utility Spring Check Valves & True Union Utility Spring Check Valves & Diaphragm Check Valves

Utility Spring Check Valves

PVC Clear Spring Check (Spring Assisted Swing Check)

(continued)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
2-1/2	S1580C25 91.22	S1580C25F 91.22	S1580C25FSR 119.36	5	0	026
3	S1580C30 94.99	S1580C30F 94.99	S1580C30FSR 189.00	4	0	026
4	S1580C40 134.96	S1580C40F 134.96	S1580C40FSR 185.27	2	0	026

True Union Utility Spring Check Valves

Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 75 psi

Maximum Service Temperature
140°F (60°C)

Temperature/Pressure De-ratings Apply

EPDM Seat

Stainless Steel Spring Assisted
(non-adjustable)



General Installation Information: Spring check valves are designed for horizontal installations, but may be installed in an up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure less than 0.5 psi.

PVC White True Union Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1780-05 48.39	S1780-05F 48.39	S1780-05FSR 51.45	20	0	026
3/4	S1780-07 54.89	S1780-07F 54.89	S1780-07FSR 59.31	30	0	026
1	S1780-10 57.21	S1780-10F 57.21	S1780-10FSR 63.29	18	0	026
1-1/4	S1780-12 59.59	S1780-12F 59.59	S1780-12FSR 69.33	12	0	026
1-1/2	S1780-15 63.48	S1780-15F 63.48	S1780-15FSR 80.26	10	0	026
2	S1780-20 66.09	S1780-20F 66.09	S1780-20FSR 84.24	10	0	026
2-1/2	S1780-25 117.96	S1780-25F 117.96	S1780-25FSR 146.07	2	0	026
3	S1780-30 123.06	S1780-30F 123.06	S1780-30FSR 171.62	2	0	026
4	S1780-40 174.61	S1780-40F 174.61	S1780-40FSR 224.98	1	0	026

PVC Clear True Union Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1780C05 49.92	S1780C05F 49.92	S1780C05FSR 52.99	20	0	026
3/4	S1780C07 56.61	S1780C07F 56.61	S1780C07FSR 61.02	30	0	026
1	S1780C10 58.97	S1780C10F 58.97	S1780C10FSR 65.11	18	0	026
1-1/4	S1780C12 61.40	S1780C12F 61.40	S1780C12FSR 71.15	12	0	026
1-1/2	S1780C15 65.11	S1780C15F 65.11	S1780C15FSR 82.23	10	0	026
2	S1780C20 67.00	S1780C20F 67.00	S1780C20FSR 86.24	10	0	026
2-1/2	S1780C25 121.62	S1780C25F 121.62	S1780C25FSR 149.80	2	0	026
3	S1780C30 126.85	S1780C30F 126.85	S1780C30FSR 175.41	2	0	026
4	S1780C40 180.03	S1780C40F 180.03	S1780C40FSR 230.39	1	0	026

Diaphragm Check Valves



Pressure Rating @ 73°F (23°C), Water
Full Flow (open) = 150 psi
Back Pressure (closed) = 100 psi
Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply
Santoprene™ TPE Seat

PVC Diaphragm Check Valves - Socket

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
6562-007	3/4	15	0	004	98.72

PVC Diaphragm Check Valves - Thread

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
6561-007	3/4	15	0	004	98.72

CPVC Diaphragm Check Valves - Socket

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
6562-007C	3/4	15	0	004	129.64

Diaphragm Check Valves & PVC In-line Adjustable Spring Check Valves



Diaphragm Check Valves

CPVC Diaphragm Check Valves - Thread

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
6561-007C	3/4	15	0	004	129.64

General Installation Information: Diaphragm Check Valves have "normally closed" operation with 1 - 1-1/2 psi opening pressure and can be mounted in any position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Flow velocity should not exceed 5 ft./sec.

Male Inlet x Female Outlet Option

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
Mipt x Fipt (Inlet x Outlet)					
S1101-05	1/2	30	180	026	12.14

Female Inlet x Female Outlet Option

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
Fipt x Fipt (Inlet x Outlet)					
S1100-07	3/4	25	150	026	12.82

PVC In-line Adjustable Spring Check Valves



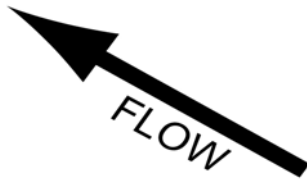
Fipt x Mipt



Mipt x Fipt



Fipt x Fipt



Pressure Rating @ 73°F (23°C), Water
200 psi

Maximum Service Temperature
PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply

2 - 14 lbs. Adjustable Spring Tension
(5 to 32 feet of head)

Factory Preset to Approx. 5 psi
(12 feet of head)

Each full turn of adjustment nut = 1 psi
(2.3 feet of head)

Stainless Steel Adjustment Hardware
EPDM Seat

Standard Unit - Female Inlet x Male Outlet

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
Fipt x Mipt (Inlet x Outlet)					
S1102-05	1/2	30	180	026	12.14
S1102-07	3/4	25	150	026	12.41
S1102-10	1	25	150	026	20.60
S1102-05-07	1/2X3/4	25	150	026	17.71