



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



Socket Style

**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.

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	4529-005 123.98	4539-005 139.71	1	18	604
3/4	4529-007 147.82	4539-007 156.00	1	18	604
1	4529-010 175.85	4539-010 195.99	1	18	604
1-1/4	4529-012 256.75	4539-012 288.14	1	12	604
1-1/2	4529-015 294.87	4539-015 327.26	1	8	604
2	4529-020 402.57	4539-020 447.64	1	8	604

Socket Ends

2-1/2	4522-025 976.02	4532-025 1039.51	1	0	605
3	4522-030 1242.09	4532-030 1392.34	1	0	605
4	4522-040 1830.83	4532-040 1928.92	1	0	605
6	4522-060 3600.28	4532-060 3990.08	1	0	558
8	4522-080 4798.00	4532-080 5318.56	1	0	558

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

Threaded Ends

2-1/2	4521-025 976.02	4531-025 1039.51	1	0	605
3	4521-030 1250.11	4531-030 1402.20	1	0	605
4	4521-040 1830.83	4531-040 1928.92	1	0	605

PVC Industrial (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Threaded Ends

6	4521-060 3600.28	4531-060 3990.08	1	0	558
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SR Threaded Ends

1/2	4521-005SR 126.51	4531-005SR 142.19	1	18	604
3/4	4521-007SR 153.83	4531-007SR 162.02	1	18	604
1	4521-010SR 181.76	4531-010SR 201.98	1	18	604
1-1/4	4521-012SR 268.66	4531-012SR 300.02	1	12	604
1-1/2	4521-015SR 314.09	4531-015SR 346.46	1	8	604
2	4521-020SR 423.35	4531-020SR 468.46	1	8	604
2-1/2	4521-025SR 1029.20	4531-025SR 1092.75	1	0	605
3	4521-030SR 1276.09	4531-030SR 1447.75	1	0	605
4	4521-040SR 1892.95	4531-040SR 1991.06	1	0	605
6	4521-060SR 3703.06	4531-060SR 4096.35	1	0	558

Spigot Ends

1/2	4527-005 123.98	4537-005 139.71	1	18	604
3/4	4527-007 147.82	4537-007 156.00	1	18	604
1	4527-010 175.85	4537-010 195.99	1	12	604
1-1/4	4527-012 256.75	4537-012 288.14	1	12	604
1-1/2	4527-015 294.87	4537-015 327.26	1	8	604
2	4527-020 402.57	4537-020 447.64	1	8	604
2-1/2	4527-025 976.02	4537-025 1039.51	1	0	605
3	4527-030 1105.16	4537-030 1395.44	1	0	605
4	4527-040 1830.83	4537-040 1928.92	1	0	605
6	4527-060 3600.28	4537-060 3990.08	1	0	558

Flanged Ends

1/2	4523-005 174.75	4533-005 219.37	1	8	604
3/4	4523-007 211.41	4533-007 263.07	5	0	604
1	4523-010 250.56	4533-010 306.12	1	8	604
1-1/4	4523-012 309.87	4533-012 400.62	2	0	604
1-1/2	4523-015 427.60	4533-015 464.75	3	0	604
2	4523-020 603.51	4533-020 617.80	1	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 1250.24	4533-025 1455.94	1	0	605
3	4523-030 1748.91	4533-030 2033.66	1	0	605
4	4523-040 2367.24	4533-040 2747.77	1	0	605
6	4523-060 5669.79	4533-060 6576.94	1	0	558
8	4523-080 7363.34	4533-080 8559.14	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 172.24	4539-005C 191.77	1	18	606
3/4	4529-007C 206.14	4539-007C 229.12	1	18	606
1	4529-010C 243.25	4539-010C 270.25	1	18	606
1-1/4	4529-012C 418.97	4539-012C 465.12	1	12	606
1-1/2	4529-015C 418.97	4539-015C 465.12	1	8	606
2	4529-020C 559.59	4539-020C 623.55	1	8	606

Socket Ends

2-1/2	4522-025C 1172.65	4532-025C 1302.92	1	0	607
3	4522-030C 1557.93	4532-030C 1696.87	1	0	607
4	4522-040C 2573.33	4532-040C 2861.04	1	0	607
6	4522-060C 5312.87	4532-060C 5902.45	1	0	559
8	4522-080C 6250.52	4532-080C 7867.76	1	0	559

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

Threaded Ends

2-1/2	4521-025C 1172.65	4531-025C 1302.92	1	0	607
3	4521-030C 1553.31	4531-030C 1740.53	1	0	607
4	4521-040C 2573.33	4531-040C 2861.04	1	0	607
6	4521-060C 5312.87	4531-060C 5902.45	1	0	559

SR Threaded Ends

1/2	4521-005CSR 174.54	4531-005CSR 194.08	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 211.80	4531-007CSR 234.69	1	18	606
1	4521-010CSR 248.85	4531-010CSR 275.88	1	18	606
1-1/4	4521-012CSR 430.14	4531-012CSR 394.36	1	12	606
1-1/2	4521-015CSR 430.14	4531-015CSR 483.20	1	8	606
2	4521-020CSR 579.18	4531-020CSR 643.09	1	8	606
2-1/2	4521-025CSR 1223.33	4531-025CSR 1352.94	1	0	607
3	4521-030CSR 1570.69	4531-030CSR 1823.18	1	0	607
4	4521-040CSR 2631.65	4531-040CSR 2919.44	1	0	607
6	4521-060CSR 5456.17	4531-060CSR 6045.76	1	0	559

Spigot Ends

1/2	4527-005C 172.24	4537-005C 191.77	1	18	606
3/4	4527-007C 206.14	4537-007C 229.12	1	18	606
1	4527-010C 243.25	4537-010C 270.25	1	12	606
1-1/4	4527-012C 418.97	4537-012C 465.12	1	12	606
1-1/2	4527-015C 475.76	4537-015C 465.12	1	8	606
2	4527-020C 559.59	4537-020C 623.55	1	8	606
2-1/2	4527-025C 1172.65	4537-025C 1302.92	1	0	607
3	4527-030C 1523.88	4537-030C 1687.18	1	0	607
4	4527-040C 2573.33	4537-040C 2861.04	1	0	607
6	4527-060C 5312.87	4537-060C 5902.45	1	0	559

Flanged Ends

1/2	4523-005C 213.86	4533-005C 267.26	1	8	606
3/4	4523-007C 255.22	4533-007C 323.01	1	8	606
1	4523-010C 304.69	4533-010C 375.62	1	8	606
1-1/4	4523-012C 513.92	4533-012C 637.22	1	8	606
1-1/2	4523-015C 549.06	4533-015C 686.07	1	4	606
2	4523-020C 970.81	4533-020C 1040.83	1	0	606
2-1/2	4523-025C 1758.91	4533-025C 1902.94	1	0	607
3	4523-030C 1963.97	4533-030C 2154.61	1	0	607



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 3249.28	4533-040C 3489.16	1	0	607
6	4523-060C 8663.88	4533-060C 9006.99	1	0	559
8	4523-080C 9972.95	4533-080C 10851.73	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	2229-005 135.68	2239-005 152.85	1	18	220
3/4	2229-007 161.73	2239-007 170.76	1	12	220
1	2229-010 192.35	2239-010 214.41	1	8	220
1-1/4	2229-012 280.93	2239-012 315.25	1	8	220
1-1/2	2229-015 322.62	2239-015 358.06	1	8	220
2	2229-020 440.46	2239-020 489.81	1	4	220

Socket Ends

2-1/2	2222-025 1067.85	2232-025 1137.28	1	0	220
3	2222-030 1290.03	2232-030 1499.03	1	0	220
4	2222-040 2003.13	2232-040 2110.51	1	0	220

Socket Venturied Ends

6 VENTURIED	2222-060 2706.20	2232-060 3065.38	1	0	221
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Threaded Ends

2-1/2	2221-025 1067.85	2231-025 1137.28	1	0	220
3	2221-030 1290.03	2231-030 1499.03	1	0	220
4	2221-040 2003.13	2231-040 2110.51	1	0	220

Flanged Ends

1/2	2223-005 191.26	2233-005 240.07	6	0	220
3/4	2223-007 231.26	2233-007 287.85	5	0	220
1	2223-010 274.14	2233-010 334.95	5	0	220
1-1/4	2223-012 339.06	2233-012 438.32	2	0	220
1-1/2	2223-015 467.82	2233-015 508.56	3	0	220
2	2223-020 660.35	2233-020 675.99	2	0	220
2-1/2	2223-025 1367.89	2233-025 1593.02	1	0	220
3	2223-030 1913.43	2233-030 2225.04	1	0	220
4	2223-040 2590.04	2233-040 3006.32	1	0	220

Flanged Venturied Ends

6 VENTURIED	2223-060 3241.45	2233-060 3616.57	1	0	221
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Valves Product

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 188.49	2239-005C 209.81	1	18	222
3/4	2229-007C 225.58	2239-007C 250.69	1	12	222
1	2229-010C 266.20	2239-010C 295.72	1	8	222
1-1/4	2229-012C 458.40	2239-012C 508.87	1	8	222
1-1/2	2229-015C 554.29	2239-015C 585.92	1	8	222
2	2229-020C 613.81	2239-020C 682.21	1	4	222

Socket Ends

2-1/2	2222-025C 1283.05	2232-025C 1425.56	1	0	222
3	2222-030C 2089.86	2232-030C 2286.97	1	0	222
4	2222-040C 2815.51	2232-040C 3130.34	1	0	222

Socket Venturied Ends

6 VENTURIED	2222-060C 3632.02	2232-060C 4069.31	1	0	223
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Threaded Ends

2-1/2	2221-025C 1283.05	2231-025C 1425.56	1	0	222
3	2221-030C 2089.86	2231-030C 2286.97	1	0	222
4	2221-040C 2815.51	2231-040C 3130.34	1	0	222

Flanged Ends

1/2	2223-005C 234.02	2233-005C 292.41	6	0	222
3/4	2223-007C 279.17	2233-007C 353.46	5	0	222
1	2223-010C 333.37	2233-010C 410.96	5	0	222
1-1/4	2223-012C 562.31	2233-012C 697.22	2	0	222
1-1/2	2223-015C 600.71	2233-015C 750.63	3	0	222
2	2223-020C 1062.15	2233-020C 1138.78	2	0	222
2-1/2	2223-025C 1690.11	2233-025C 1924.43	1	0	222
3	2223-030C 2148.85	2233-030C 2357.40	1	0	222
4	2223-040C 3555.12	2233-040C 3817.54	1	0	222

Flanged Venturied Ends

CPVC (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Flanged Venturied Ends					
6 VENTURIED	2223-060C 4285.79	2233-060C 4639.09	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 94.09	FVS-005C 129.98	10	60	299
3/4	FVS-007 111.75	FVS-007C 140.19	10	60	299
1	FVS-010 135.89	FVS-010C 159.12	10	40	299
1-1/4	FVS-012 197.82	FVS-012C 245.81	5	30	299
1-1/2	FVS-015 208.36	FVS-015C 255.24	5	0	299
2	FVS-020 235.17	FVS-020C 281.73	5	0	299
2-1/2	FVS-025 323.47	FVS-025C 410.51	5	0	299
3	FVS-030 332.78	FVS-030C 457.14	5	0	299
4	FVS-040 393.69	FVS-040C 653.36	5	0	299
6	FVS-060 533.17	FVS-060C 933.61	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	5.79
CFVS7-007	3/4	25	150	299	6.62
CFVS7-010	1	25	150	299	7.80
CFVS7-012	1-1/4	50	0	299	9.97
CFVS7-015	1-1/2	25	0	299	16.65
CFVS7-020	2	25	0	299	18.94

Valves Product
Foot Valve Screens & Y-Check Valves



Foot Valve Screens

PVC Compact Foot Valve Screen

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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Threaded

CFVS1-005	1/2	50	300	299	5.79
CFVS1-007	3/4	25	150	299	6.62
CFVS1-010	1	20	120	299	7.80
CFVS1-012	1-1/4	50	0	299	9.97
CFVS1-015	1-1/2	25	0	299	16.65
CFVS1-020	2	25	0	299	18.94

HDPE Black Compact Foot Valve Screen

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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Threaded

CFVS1-005P	1/2	50	300	299	6.97
CFVS1-007P	3/4	25	150	299	8.33
CFVS1-010P	1	20	120	299	9.56
CFVS1-012P	1-1/4	50	0	299	10.97
CFVS1-015P	1-1/2	25	0	299	18.72
CFVS1-020P	2	25	0	299	20.95

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	1622-005 194.92	1632-005 216.14	1	18	627
3/4	1622-007 209.05	1632-007 233.91	1	18	627
1	1622-010 230.36	1632-010 255.12	1	12	627
1-1/4	1622-012 361.46	1632-012 400.45	1	8	627
1-1/2	1622-015 393.34	1632-015 435.87	1	8	627

PVC - Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	1622-020 489.05	1632-020 542.21	1	4	627
3	1622-030 967.45	1632-030 1073.69	1	0	627
4	1622-040 1686.76	1632-040 1874.59	1	0	627

PVC - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005SR 202.00	1631-005SR 223.26	1	18	627
3/4	1621-007SR 219.66	1631-007SR 244.51	1	12	627
1	1621-010SR 244.51	1631-010SR 269.31	1	8	627
1-1/4	1621-012SR 382.71	1631-012SR 421.71	1	8	627
1-1/2	1621-015SR 425.23	1631-015SR 467.73	1	4	627
2	1621-020SR 524.45	1631-020SR 577.60	1	0	627
3	1621-030SR 1063.13	1631-030SR 1169.36	1	0	627
4	1621-040SR 1785.99	1631-040SR 1973.77	1	0	627

PVC - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005 255.12	1633-005 283.51	1	8	627
3/4	1623-007 279.93	1633-007 311.83	1	4	627
1	1623-010 327.71	1633-010 375.60	1	8	627
1-1/4	1623-012 520.88	1633-012 577.60	1	4	627
1-1/2	1623-015 552.85	1633-015 613.05	1	4	627
2	1623-020 740.60	1633-020 822.09	1	0	627
3	1623-030 1449.33	1633-030 1608.78	1	0	627
4	1623-040 2313.99	1633-040 2569.13	1	0	627

PVC Clear - Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1622-005CL 194.92	1632-005CL 216.14	1	18	628
3/4	1622-007CL 209.05	1632-007CL 233.91	1	18	628
1	1622-010CL 230.36	1632-010CL 255.12	1	12	628
1-1/4	1622-012CL 361.46	1632-012CL 400.45	1	8	628
1-1/2	1622-015CL 393.34	1632-015CL 435.87	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 489.05	1632-020CL 542.21	1	4	628
3	1622-030CL 967.45	1632-030CL 1073.69	1	0	628
4	1622-040CL 1686.76	1632-040CL 1874.59	1	0	628

PVC Clear - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005CLSR 202.00	1631-005CLSR 223.26	1	18	628
3/4	1621-007CLSR 219.66	1631-007CLSR 244.51	1	12	628
1	1621-010CLSR 244.51	1631-010CLSR 269.31	1	8	628
1-1/4	1621-012CLSR 382.71	1631-012CLSR 421.71	1	8	628
1-1/2	1621-015CLSR 425.23	1631-015CLSR 467.73	1	4	628
2	1621-020CLSR 524.45	1631-020CLSR 577.60	1	0	628
3	1621-030CLSR 1063.13	1631-030CLSR 1169.36	1	0	628
4	1621-040CLSR 1785.99	1631-040CLSR 1973.77	1	0	628

PVC Clear - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005CL 255.12	1633-005CL 283.51	1	8	628
3/4	1623-007CL 279.93	1633-007CL 311.83	1	8	628
1	1623-010CL 336.62	1633-010CL 375.60	1	8	628
1-1/4	1623-012CL 520.88	1633-012CL 577.60	1	4	628
1-1/2	1623-015CL 552.85	1633-015CL 613.05	1	4	628
2	1623-020CL 740.60	1633-020CL 822.09	1	0	628
3	1623-030CL 1449.33	1633-030CL 1608.78	1	0	628
4	1623-040CL 2313.99	1633-040CL 2569.13	1	0	628

CPVC - Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1622-005C 263.14	1632-005C 289.78	1	18	629
3/4	1622-007C 283.18	1632-007C 313.13	1	18	629
1	1622-010C 309.79	1632-010C 343.09	1	12	629
1-1/4	1622-012C 486.33	1632-012C 539.62	1	8	629

CPVC - Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/2	1622-015C 529.62	1632-015C 586.22	1	8	629
2	1622-020C 656.20	1632-020C 729.48	1	4	629
3	1622-030C 1877.97	1632-030C 2101.34	1	0	629
4	1622-040C 2265.02	1632-040C 2518.19	1	0	629

CPVC - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005CSR 269.79	1631-005CSR 299.76	1	18	629
3/4	1621-007CSR 293.13	1631-007CSR 326.45	1	12	629
1	1621-010CSR 326.45	1631-010CSR 359.75	1	8	629
1-1/4	1621-012CSR 512.97	1631-012CSR 562.92	1	8	629
1-1/2	1621-015CSR 572.91	1631-015CSR 629.58	1	4	629
2	1621-020CSR 702.83	1631-020CSR 776.15	1	0	629
3	1621-030CSR 1428.98	1631-030CSR 1572.21	1	0	629
4	1621-040CSR 2394.95	1631-040CSR 2648.15	1	0	629

CPVC - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005C 343.09	1633-005C 353.17	1	8	629
3/4	1623-007C 376.43	1633-007C 419.71	1	8	629
1	1623-010C 453.05	1633-010C 504.32	1	8	629
1-1/4	1623-012C 699.52	1633-012C 776.15	1	4	629
1-1/2	1623-015C 739.43	1633-015C 822.73	1	4	629
2	1623-020C 992.62	1633-020C 1102.53	1	0	629
3	1623-030C 1945.29	1633-030C 2161.79	1	0	629
4	1623-040C 3104.45	1633-040C 3450.88	1	0	629

PVC - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005 212.65	163A-005 233.91	1	12	627
3/4	162A-007 226.75	163A-007 255.12	1	8	627
1	162A-010 251.60	163A-010 276.38	1	8	627
1-1/4	162A-012 393.34	163A-012 435.87	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-015 428.81	163A-015 474.85	1	0	627
2	162A-020 531.52	163A-020 588.19	2	0	627
3	162A-030 1052.42	163A-030 1148.14	1	0	627
4	162A-040 1835.60	163A-040 2037.59	1	0	627

PVC - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005 212.65	163B-005 233.91	1	12	627
3/4	162B-007 226.75	163B-007 255.12	1	8	627
1	162B-010 251.60	163B-010 276.38	1	8	627
1-1/4	162B-012 389.83	163B-012 435.87	1	4	627
1-1/2	162B-015 428.81	163B-015 474.85	1	0	627
2	162B-020 531.52	163B-020 588.19	2	0	627
3	162B-030 1052.42	163B-030 1148.14	1	0	627
4	162B-040 1835.60	163B-040 2037.59	1	0	627

PVC - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005SR 219.66	163B-005SR 240.98	1	12	627
3/4	162B-007SR 237.40	163B-007SR 262.22	1	8	627
1	162B-010SR 262.22	163B-010SR 290.61	1	8	627
1-1/4	162B-012SR 414.59	163B-012SR 457.09	1	4	627
1-1/2	162B-015SR 464.19	163B-015SR 510.28	1	0	627
2	162B-020SR 570.53	163B-020SR 630.74	1	0	627
3	162B-030SR 1155.20	163B-030SR 1272.17	1	0	627
4	162B-040SR 1938.35	163B-040SR 2143.87	1	0	627

PVC Clear - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005CL 212.65	163A-005CL 233.91	1	12	628
3/4	162A-007CL 226.75	163A-007CL 255.12	1	8	628
1	162A-010CL 251.60	163A-010CL 276.38	1	8	628

PVC Clear - True Union Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/4	162A-012CL 393.34	163A-012CL 435.87	1	4	628
1-1/2	162A-015CL 428.81	163A-015CL 474.85	1	0	628
2	162A-020CL 531.52	163A-020CL 588.19	2	0	628
3	162A-030CL 1052.42	163A-030CL 1148.14	1	0	628
4	162A-040CL 1835.60	163A-040CL 2037.59	1	0	628

PVC Clear - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CL 212.65	163B-005CL 233.91	1	12	628
3/4	162B-007CL 226.75	163B-007CL 255.12	1	8	628
1	162B-010CL 251.60	163B-010CL 276.38	1	8	628
1-1/4	162B-012CL 393.34	163B-012CL 435.87	1	4	628
1-1/2	162B-015CL 428.81	163B-015CL 474.85	1	0	628
2	162B-020CL 531.52	163B-020CL 588.19	2	0	628
3	162B-030CL 1052.42	163B-030CL 1148.14	1	0	628
4	162B-040CL 1835.60	163B-040CL 2037.59	1	0	628

PVC Clear - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CLSR 219.66	163B-005CLSR 240.98	1	12	628
3/4	162B-007CLSR 237.40	163B-007CLSR 262.22	1	8	628
1	162B-010CLSR 262.22	163B-010CLSR 290.61	1	8	628
1-1/4	162B-012CLSR 414.59	163B-012CLSR 457.09	1	4	628
1-1/2	162B-015CLSR 464.19	163B-015CLSR 510.28	1	0	628
2	162B-020CLSR 570.53	163B-020CLSR 630.74	1	0	628
3	162B-030CLSR 1155.20	163B-030CLSR 1272.17	1	0	628
4	162B-040CLSR 1938.35	163B-040CLSR 2143.87	1	0	628

CPVC - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005C 286.48	163A-005C 316.42	1	12	629
3/4	162A-007C 306.44	163A-007C 343.09	1	8	629
1	162A-010C 336.42	163A-010C 373.07	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 526.31	163A-012C 586.22	1	4	629
1-1/2	162A-015C 572.91	163A-015C 636.25	1	0	629
2	162A-020C 712.82	163A-020C 792.75	2	0	629
3	162A-030C 1412.33	163A-030C 1542.22	1	0	629
4	162A-040C 2461.60	163A-040C 2734.72	1	0	629

CPVC - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005C 286.48	163B-005C 316.42	1	12	629
3/4	162B-007C 306.44	163B-007C 343.09	1	8	629
1	162B-010C 336.42	163B-010C 373.07	1	8	629
1-1/4	162B-012C 526.31	163B-012C 586.22	1	4	629
1-1/2	162B-015C 572.91	163B-015C 636.25	1	0	629
2	162B-020C 712.82	163B-020C 792.75	2	0	629
3	162B-030C 1412.33	163B-030C 1542.22	1	0	629
4	162B-040C 2461.60	163B-040C 2734.72	1	0	629

CPVC - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CSR 293.13	163B-005CSR 323.08	1	12	629
3/4	162B-007CSR 319.78	163B-007CSR 353.06	1	8	629
1	162B-010CSR 353.06	163B-010CSR 389.71	1	8	629
1-1/4	162B-012CSR 556.23	163B-012CSR 612.88	1	4	629
1-1/2	162B-015CSR 622.92	163B-015CSR 682.82	1	0	629
2	162B-020CSR 766.13	163B-020CSR 842.74	1	0	629
3	162B-030CSR 1552.23	163B-030CSR 1705.47	1	0	629
4	162B-040CSR 2604.83	163B-040CSR 2877.97	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 7.19	YC-VRK-005 21.33	1	10	299
3/4	YC-ERK-007 8.25	YC-VRK-007 23.02	1	10	299
1	YC-ERK-010 8.44	YC-VRK-010 31.27	1	10	299
1-1/4	YC-ERK-012 8.84	YC-VRK-012 58.14	1	10	299
1-1/2	YC-ERK-015 15.35	YC-VRK-015 63.45	1	10	299
2	YC-ERK-020 20.63	YC-VRK-020 75.97	1	10	299
3	YC-ERK-030 35.59	YC-VRK-030 199.28	1	10	299
4	YC-ERK-040 46.08	YC-VRK-040 286.87	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 8.44	YC-UVRK-005 25.59	1	10	299
3/4	YC-UERK-007 9.80	YC-UVRK-007 28.61	1	10	299
1	YC-UERK-010 10.29	YC-UVRK-010 41.40	1	10	299
1-1/4	YC-UERK-012 12.82	YC-UVRK-012 72.67	1	10	299
1-1/2	YC-UERK-015 21.54	YC-UVRK-015 90.33	1	10	299
2	YC-UERK-020 28.49	YC-UVRK-020 109.56	1	10	299
3	YC-UERK-030 61.92	YC-UVRK-030 252.83	1	10	299
4	YC-UERK-040 68.57	YC-UVRK-040 353.92	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	5420-020 891.64	5430-020 982.51	1	18	289
2-1/2	5420-025 1228.80	5430-025 1354.17	1	0	289

PVC (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Wafer					
3	5420-030 1571.78	5430-030 1732.03	1	8	289
4	5420-040 2137.59	5430-040 2355.62	1	4	289
6	5420-060 3240.71	5430-060 3571.23	1	0	289
8	5420-080 5498.28	5430-080 6059.08	1	0	289
10	5420-100 10109.88	5430-100 11221.96	1	0	289
12	5420-120 14254.82	5430-120 15822.88	1	0	289
14	5420-140 16024.78	---	1	0	289
16	5420-160 22008.91	---	1	0	289
18	5420-180 23109.46	---	1	0	289
20	5420-200 26689.73	---	1	0	289
24	5420-240 30103.81	5430-240 30705.71	1	0	289

Flanged Ends

2	5423-020 1137.33	5433-020 1223.13	1	8	289
2-1/2	5423-025 1480.31	5433-025 1611.81	1	0	289
3	5423-030 2126.19	5433-030 2337.66	1	0	289
4	5423-040 2760.60	5433-040 3080.60	1	0	289
6	5423-060 4475.25	5433-060 5121.08	1	0	289
8	5423-080 6412.75	5433-080 7567.27	1	0	289
10	5423-100 11808.23	5433-100 13465.67	1	0	289
12	5423-120 16729.23	5433-120 17796.08	1	0	289
14	5423-140 23588.22	5433-140 25092.34	4	0	289
16	5423-160 33200.43	5433-160 35846.18	1	0	289
18	5423-180 42417.39	5433-180 45372.40	1	0	289
20	5423-200 55750.74	5433-200 59700.48	1	0	289
24	5423-240 73022.93	5433-240 78549.33	1	0	289

Spigot (Plain End)

2	5427-020 485.80	5437-020 571.55	1	12	289
2-1/2	5427-025 668.71	5437-025 800.22	1	12	289
3	5427-030 897.33	5437-030 1108.80	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 1177.39	5437-040 1497.49	1	4	289
6	5427-060 2503.35	5437-060 3149.20	1	0	289
8	5427-080 3732.24	5437-080 4886.72	1	0	289
10	5427-100 9127.61	5437-100 10785.06	1	0	289
12	5427-120 12362.59	5437-120 14492.51	1	0	289
14	5427-140 16498.97	5437-140 18958.25	1	0	289
16	5427-160 24822.86	5437-160 29103.12	1	0	289
18	5427-180 31028.60	5437-180 36375.60	1	0	289
20	5427-200 38784.69	5437-200 45466.61	1	0	289
24	5427-240 55406.64	5437-240 64950.04	1	0	289

Threaded Ends

2	5421A-020 474.41	5431A-020 560.12	1	4	289
2-1/2	5421A-025 645.83	5431A-025 777.29	1	8	289
3	5421A-030 880.23	5431A-030 1091.62	1	8	289
4	5421A-040 1154.55	5431A-040 1474.60	1	4	289
6	5421A-060 2457.67	5431A-060 3103.49	1	0	289
8	5421A-080 3692.27	5431A-080 4846.73	1	0	289
10	5421A-100 9108.94	5431A-100 10769.13	1	0	289
12	5421A-120 12347.35	5431A-120 14477.27	1	0	289

Grooved Ends

2	542G-020 537.23	543G-020 622.98	1	12	289
2-1/2	542G-025 703.03	543G-025 834.44	1	8	289
3	542G-030 925.89	543G-030 1137.33	1	8	289
4	542G-040 1245.98	543G-040 1566.03	1	4	289
6	542G-060 2606.23	543G-060 3252.12	1	0	289
8	542G-080 3846.52	543G-080 5001.05	1	0	289
10	542G-100 9310.48	543G-100 10967.98	1	0	289
12	542G-120 12608.35	543G-120 14740.22	1	0	289

CPVC

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Wafer					
2	5420-020C 1299.08	5430-020C 1441.97	1	18	290
2-1/2	5420-025C 1790.36	5430-025C 1897.44	1	0	290
3	5420-030C 2290.06	5430-030C 2541.96	1	0	290
4	5420-040C 3114.54	5430-040C 3457.12	1	0	290
6	5420-060C 4721.67	5430-060C 5241.08	1	0	290
8	5420-080C 8011.04	5430-080C 8892.21	1	0	290
10	5420-100C 17228.64	5430-100C 18951.51	1	0	290
12	5420-120C 30341.91	5430-120C 33376.14	1	0	290

Flanged Ends

2	5423-020C 1654.72	5433-020C 1735.34	1	8	290
2-1/2	5423-025C 2648.65	5433-025C 2772.24	1	0	290
3	5423-030C 2831.33	5433-030C 3030.11	1	0	290
4	5423-040C 3314.84	5433-040C 3615.72	1	0	290
6	5423-060C 5845.33	5433-060C 6452.45	1	0	290
8	5423-080C 9364.38	5433-080C 10449.66	1	0	290
10	5423-100C 17697.22	5433-100C 19255.20	1	0	290
12	5423-120C 31875.36	5433-120C 33879.38	1	0	290
14	5423-140C 45535.41	5433-140C 48398.46	1	0	290
16	5423-160C 63240.14	5433-160C 67220.06	1	0	290
18	5423-180C 79050.12	5433-180C 84025.12	1	0	290
20	5423-200C 112928.38	5433-200C 120033.40	1	0	290
24	5423-240C 141157.27	5433-240C 150041.25	1	0	290

Spigot (Plain End)

2	5427-020C 870.34	5437-020C 950.95	1	12	290
2-1/2	5427-025C 1176.62	5437-025C 1300.13	1	12	290
3	5427-030C 1198.08	5437-030C 1395.08	1	8	290
4	5427-040C 1504.32	5437-040C 1805.16	1	4	290
6	5427-060C 3218.20	5437-060C 3825.31	1	0	290
8	5427-080C 4829.92	5437-080C 5915.17	1	0	290

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 12072.12	5437-100C 13630.20	1	0	290
12	5427-120C 19808.63	5437-120C 21810.77	1	0	290
14	5427-140C 20718.74	5437-140C 43273.77	1	0	290
16	5427-160C 27398.08	5437-160C 28440.99	1	0	290
18	5427-180C 41663.40	5437-180C 47818.87	1	0	290
20	5427-200C 52081.31	5437-200C 59767.71	1	0	290
24	5427-240C 53943.76	5437-240C 150041.25	1	0	290

Threaded Ends

2	5421A-020C 865.04	5431A-020C 999.34	1	12	290
2-1/2	5421A-025C 1171.92	5431A-025C 1296.56	1	8	290
3	5421A-030C 1190.93	5431A-030C 1389.65	1	8	290
4	5421A-040C 1497.16	5431A-040C 1798.02	1	4	290
6	5421A-060C 3193.07	5431A-060C 3798.36	1	0	290
8	5421A-080C 4807.68	5431A-080C 5892.99	1	0	290
10	5421A-100C 12053.07	5431A-100C 13611.19	1	0	290
12	5421A-120C 19777.05	5431A-120C 21781.03	1	0	290

Grooved Ends

2	542G-020C 918.76	543G-020C 1064.18	1	12	290
2-1/2	542G-025C 1219.57	543G-025C 1343.18	1	8	290
3	542G-030C 1239.23	543G-030C 1438.02	1	8	290
4	542G-040C 1590.25	543G-040C 1892.54	1	4	290
6	542G-060C 3330.99	543G-060C 3938.11	1	0	290
8	542G-080C 4937.76	543G-080C 6023.01	1	0	290
10	542G-100C 12254.82	543G-100C 13812.83	1	0	290
12	542G-120C 20426.44	543G-120C 22430.38	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-020 322.52	BFC-VRK-020 381.02	1	10	299
2-1/2	BFC-ERK-025 439.20	BFC-VRK-025 528.67	1	0	299
3	BFC-ERK-030 598.22	BFC-VRK-030 741.38	1	10	299
4	BFC-ERK-040 785.07	BFC-VRK-040 1002.31	1	10	299
6	BFC-ERK-060 1671.07	BFC-VRK-060 2110.28	1	10	299
8	BFC-ERK-080 2510.97	BFC-VRK-080 3295.34	1	10	299
10	BFC-ERK-100 6193.54	BFC-VRK-100 7322.20	1	0	299
12	BFC-ERK-120 8395.45	BFC-VRK-120 9843.47	1	0	299

CPVC Butterfly Check Valve Repair Kits

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	BFC-ERK-020C 625.75	BFC-VRK-020C 683.94	1	10	299
2-1/2	BFC-ERK-025C 847.79	BFC-VRK-025C 938.00	1	10	299
3	BFC-ERK-030C 861.91	BFC-VRK-030C 1005.06	1	10	299
4	BFC-ERK-040C 1082.84	BFC-VRK-040C 1300.75	1	10	299
6	BFC-ERK-060C 2309.61	BFC-VRK-060C 2747.40	1	10	299
8	BFC-ERK-080C 3477.41	BFC-VRK-080C 4262.60	1	10	299
10	BFC-ERK-100C 8718.31	BFC-VRK-100C 9845.54	1	0	299
12	BFC-ERK-120C 14305.69	BFC-VRK-120C 15755.13	1	0	299



Valves Product Industrial Swing Check Valves

Industrial Swing Check Valves



**Threaded Bonnet on Sizes 3/4", 1" & Bolted Bonnet on Sizes 1-1/2" & Up
1-1/4"**
(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 1077.54	4433-007 1139.80	1	12	108
1	4423-010 1241.77	4433-010 1353.28	1	4	108
1-1/4	4423-012 1553.33	4433-012 1643.47	1	0	108
1-1/2	4423-015 1702.84	4433-015 1902.44	1	0	108
2	4423-020 1960.41	4433-020 2178.25	1	0	108
2-1/2	4423-025 3280.87	4433-025 3870.43	1	0	110
3	4423-030 3669.20	4433-030 4808.31	1	0	110
4	4423-040 4676.74	4433-040 5490.87	1	0	110
6	4423-060 8888.08	4433-060 10432.24	1	0	110

Industrial Swing Check Valves (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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PVC

8	4423-080 17030.08	4433-080 19905.92	1	0	110
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CPVC

3/4	4423-007C 1600.40	4433-007C 1778.46	1	12	109
1	4423-010C 1845.47	4433-010C 2052.02	1	4	109
1-1/4	4423-012C 2308.52	4433-012C 2563.83	1	0	109
1-1/2	4423-015C 2381.75	4433-015C 3236.97	1	0	109
2	4423-020C 3071.29	4433-020C 3412.55	1	0	109
2-1/2	4423-025C 5089.77	4433-025C 6039.87	1	0	111
3	4423-030C 6357.82	4433-030C 6840.96	1	0	111
4	4423-040C 7295.37	4433-040C 8603.64	1	0	111
6	4423-060C 14930.01	4433-060C 16351.40	1	0	111
8	4423-080C 26640.29	4433-080C 31153.24	1	0	111

PP

3/4	4423-007P 1164.71	4433-007P 1294.07	1	12	113
1	4423-010P 1393.37	4433-010P 1518.59	1	4	113
1-1/4	4423-012P 1669.98	4433-012P 1855.35	1	0	113
1-1/2	4423-015P 2073.43	4433-015P 2256.17	1	0	113
2	4423-020P 2216.88	4433-020P 2490.84	1	0	113
2-1/2	4423-025P 3691.06	4433-025P 4105.75	1	0	112
3	4423-030P 3880.48	4433-030P 4640.19	1	0	112
4	4423-040P 5278.32	4433-040P 5858.87	1	0	112
6	4423-060P 9998.62	4433-060P 11118.36	1	0	112
8	4423-080P 19138.84	4433-080P 21031.79	1	0	112

Swing Check Valve With Arrow Indicator

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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PVC

3/4	44231-007 1095.28	44331-007 1157.54	1	12	108
1	44231-010 1259.47	44331-010 1410.01	1	4	108
1-1/4	44231-012 1608.45	44331-012 1767.52	1	0	108
1-1/2	44231-015 1865.35	44331-015 2037.98	1	0	108

Valves Product
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 2019.72	4433I-020 2204.63	1	0	108
2-1/2	4423I-025 3299.60	4433I-025 3670.74	1	0	110
3	4423I-030 3842.66	4433I-030 3670.74	1	0	110
4	4423I-040 4695.68	4433I-040 5580.46	1	0	110
6	4423I-060 8906.61	4433I-060 10518.18	1	0	110
8	4423I-080 17300.78	4433I-080 20007.62	1	0	110

CPVC

3/4	4423I-007C 1618.11	4433I-007C 1795.05	1	12	109
1	4423I-010C 1862.13	4433I-010C 2072.01	1	4	109
1-1/4	4423I-012C 2297.40	4433I-012C 2587.16	1	0	109
1-1/2	4423I-015C 2642.38	4433I-015C 3276.69	1	0	109
2	4423I-020C 3095.34	4433I-020C 3501.72	1	0	109
2-1/2	4423I-025C 5107.06	4433I-025C 6125.33	1	0	111
3	4423I-030C 6428.32	4433I-030C 7126.78	1	0	111
4	4423I-040C 7343.93	4433I-040C 8654.45	1	0	111
6	4423I-060C 15151.73	4433I-060C 16369.13	1	0	111
8	4423I-080C 26668.94	4433I-080C 31251.72	1	0	111

Industrial Swing Check Valve With Arrow Indicator

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
PP					
4423I-007P	3/4	1	12	113	1181.34
4423I-010P	1	1	4	113	1416.65
4423I-012P	1-1/4	1	0	113	1819.86
4423I-015P	1-1/2	1	0	113	2339.41
4423I-020P	2	1	0	113	2278.04
4423I-025P	2-1/2	1	0	112	3712.54
4423I-030P	3	1	0	112	4626.93
4423I-040P	4	1	0	112	5299.76
4423I-060P	6	1	0	112	10214.42
4423I-080P	8	1	0	112	19281.39

PP Industrial Swing Check Valve with Arrow Indicator

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
FKM					
4433I-007P	3/4	1	12	113	1310.73
4433I-010P	1	1	4	113	1635.16

PP Industrial Swing Check Valve with Arrow Indicator (continued)

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
FKM					
4433I-012P	1-1/4	1	0	113	2020.09
4433I-015P	1-1/2	1	0	113	2020.09
4433I-020P	2	1	0	113	2583.26
4433I-025P	2-1/2	1	0	112	4160.55
4433I-030P	3	1	0	112	4829.34
4433I-040P	4	1	0	112	5880.42
4433I-060P	6	1	0	112	11212.07
4433I-080P	8	1	0	112	21244.34

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 1704.44	4433CB-007 1824.15	1	8	108
1	4423CB-010 1906.65	4433CB-010 2042.32	1	4	108
1-1/4	4423CB-012 2302.99	4433CB-012 2394.03	1	0	108
1-1/2	4423CB-015 2470.94	4433CB-015 2885.92	1	0	108
2	4423CB-020 2726.21	4433CB-020 3299.88	1	0	108
2-1/2	4423CB-025 4102.33	4433CB-025 4690.53	1	0	110
3	4423CB-030 4619.91	4433CB-030 5330.42	1	0	110
4	4423CB-040 5535.67	4433CB-040 6349.79	1	0	110
6	4423CB-060 9870.01	4433CB-060 9870.01	1	0	110
8	4423CB-080 19788.84	4433CB-080 20869.08	1	0	110

CPVC

3/4	4423CB-007C 2483.99	4433CB-007C 2707.82	1	12	109
1	4423CB-010C 2695.15	4433CB-010C 2929.27	1	4	109
1-1/4	4423CB-012C 2297.40	4433CB-012C 3155.62	1	0	109
1-1/2	4423CB-015C 3155.62	4433CB-015C 3649.17	1	0	109
2	4423CB-020C 4101.56	4433CB-020C 4442.85	1	0	109
2-1/2	4423CB-025C 6191.01	4433CB-025C 7141.35	1	0	111
3	4423CB-030C 6702.22	4433CB-030C 8879.19	1	0	111
4	4423CB-040C 8292.99	4433CB-040C 9757.01	1	0	111



Valves Product

Industrial Swing Check Valves & Industrial Swing Check Valve Accessory and Repair Kits & Utility Swing Check Valves

Industrial Swing Check Valves

Swing Check Valve With Counter Balance (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
CPVC					
6	4423CB-060C 16248.67	4433CB-060C 17669.98	1	0	111
8	4423CB-080C 27981.93	4433CB-080C 32494.56	1	0	111

Industrial Swing Check Valve With Counter Balance

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
3/4	4423CB-007P 1490.82	4433CB-007P 1656.43	1	12	113
1	4423CB-010P 1783.46	4433CB-010P 1943.73	1	4	113
1-1/4	4423CB-012P 1819.86	4433CB-012P 2800.38	1	0	113
1-1/2	4423CB-015P 2572.34	4433CB-015P 3454.03	1	0	113
2	4423CB-020P 2771.08	4433CB-020P 3113.55	1	0	113
2-1/2	4423CB-025P 4278.12	4433CB-025P 5255.36	1	0	112
3	4423CB-030P 5205.24	4433CB-030P 6512.54	1	0	112
4	4423CB-040P 5960.76	4433CB-040P 6548.33	1	0	112
6	4423CB-060P 11090.13	4433CB-060P 14231.47	1	0	112
8	4423CB-080P 20246.07	4433CB-080P 22139.04	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 54.34	SK-VRK-007 66.28	1	10	299
1	SK-ERK-010 71.02	SK-VRK-010 86.59	1	10	299
1-1/2 & 1-1/4	SK-ERK-015 169.79	SK-VRK-015 214.72	1	10	299
2	SK-ERK-020 182.25	SK-VRK-020 222.24	1	10	299
2-1/2	SK-ERK-025 192.75	SK-VRK-025 246.71	1	10	299
3	SK-ERK-030 218.54	SK-VRK-030 266.66	1	10	299

Industrial Swing Check Valve Repair Kits (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
4	SK-ERK-040 238.44	SK-VRK-040 290.75	1	10	299
6	SK-ERK-060 473.91	SK-VRK-060 559.45	1	10	299
8	SK-ERK-080 596.32	SK-VRK-080 723.41	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 36.66	S1520-05F 36.66	S1520-05FSR 42.80	35	0	026
3/4	S1520-07 37.86	S1520-07F 37.86	S1520-07FSR 46.57	35	0	026
1	S1520-10 39.45	S1520-10F 39.45	S1520-10FSR 51.60	20	0	026
1-1/4	S1520-12 40.98	S1520-12F 40.98	S1520-12FSR 60.45	12	0	026
1-1/2	S1520-15 43.44	S1520-15F 43.44	S1520-15FSR 76.65	12	0	026
2	S1520-20 67.41	S1520-20F 67.41	S1520-20FSR 103.49	15	0	026
2-1/2	S1520-25 112.14	S1520-25F 112.14	S1520-25FSR 148.23	5	0	026
3	S1520-30 124.61	S1520-30F 124.61	S1520-30FSR 221.05	4	0	026
4	S1520-40 176.43	S1520-40F 176.43	S1520-40FSR 276.38	2	0	026
6	S1520-60 370.78	S1520-60F 370.78	S1520-60FSR 489.06	1	0	026
8	S1520-80 688.77	---	---	1	0	026

PVC Clear Swing Check

Size	Socket	Thread	SR Threaded	Std Pk	Mstr Pk	Prod Code
1/2	S1520C05 49.88	S1520C05F 49.88	S1520C05FSR 55.97	35	0	026

Utility Swing Check Valves & True Union Utility Swing Check Valves



Utility Swing Check Valves

PVC Clear Swing Check (continued)

Size	Socket	Thread	SR Threaded	Std Pk	Mstr Pk	Prod Code
3/4	S1520C07 50.86	S1520C07F 50.86	S1520C07FSR 59.64	35	0	026
1	S1520C10 51.83	S1520C10F 51.83	S1520C10FSR 64.00	20	0	026
1-1/4	S1520C12 54.43	S1520C12F 54.43	S1520C12FSR 73.85	12	0	026
1-1/2	S1520C15 59.18	S1520C15F 59.18	S1520C15FSR 92.45	12	0	026
2	S1520C20 85.17	S1520C20F 85.17	S1520C20FSR 121.23	15	0	026
2-1/2	S1520C25 141.98	S1520C25F 141.98	S1520C25FSR 197.89	5	0	026
3	S1520C30 157.73	S1520C30F 157.73	S1520C30FSR 254.14	4	0	026
4	S1520C40 212.35	S1520C40F 212.35	S1520C40FSR 312.20	2	0	026
6	S1520C60 438.91	S1520C60F 438.91	S1520C60FSR 557.18	1	0	026
8	S1520C80 733.14	---	---	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 41.75	S1720-05F 41.75	S1720-05FSR 47.78	35	0	026
3/4	S1720-07 42.99	S1720-07F 42.99	S1720-07FSR 51.77	30	0	026
1	S1720-10 44.82	S1720-10F 44.82	S1720-10FSR 56.94	18	0	026
1-1/4	S1720-12 47.18	S1720-12F 47.18	S1720-12FSR 66.62	12	0	026
1-1/2	S1720-15 51.83	S1720-15F 51.83	S1720-15FSR 85.15	10	0	026
2	S1720-20 77.88	S1720-20F 77.88	S1720-20FSR 113.81	10	0	026

PVC White True Union Swing Check (continued)

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Prod Code
2-1/2	S1720-25 129.85	S1720-25F 129.85	S1720-25FSR 185.72	2	0	026
3	S1720-30 165.83	S1720-30F 165.83	S1720-30FSR 262.25	2	0	026
4	S1720-40 223.82	S1720-40F 223.82	S1720-40FSR 322.75	1	0	026

PVC Clear True Union Swing Check

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1720C05 54.03	S1720C05F 54.03	S1720C05FSR 60.12	35	0	026
3/4	S1720C07 54.93	S1720C07F 54.93	S1720C07FSR 63.69	30	0	026
1	S1720C10 60.03	S1720C10F 60.03	S1720C10FSR 72.15	18	0	026
1-1/4	S1720C12 63.24	S1720C12F 63.24	S1720C12FSR 82.65	12	0	026
1-1/2	S1720C15 67.82	S1720C15F 67.82	S1720C15FSR 101.12	10	0	026
2	S1720C20 95.37	S1720C20F 95.37	S1720C20FSR 131.51	10	0	026
2-1/2	S1720C25 156.64	S1720C25F 156.64	S1720C25FSR 212.56	2	0	026
3	S1720C30 180.32	S1720C30F 180.32	S1720C30FSR 276.74	2	0	026
4	S1720C40 240.38	S1720C40F 240.38	S1720C40FSR 340.15	1	0	026



Valves Product

Compression Utility Swing Check Valves & Utility Spring Check Valves

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	48.76
S1500-07	3/4	35	0	026	51.33
S1500-10	1	20	0	026	53.46
S1500-12	1-1/4	12	0	026	62.76
S1500-15	1-1/2	12	0	026	70.09
S1500-20	2	10	0	026	110.51
S1500-25	2-1/2	5	0	026	184.57
S1500-30	3	4	0	026	239.59
S1500-40	4	2	0	026	368.07

PVC Clear Compression End Swing Check

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
Compression End					
S1500C05	1/2	35	0	026	53.65
S1500C07	3/4	35	0	026	57.72
S1500C10	1	20	0	026	58.91
S1500C12	1-1/4	12	0	026	66.12
S1500C15	1-1/2	12	0	026	74.52
S1500C20	2	10	0	026	111.24
S1500C25	2-1/2	5	0	026	186.62
S1500C30	3	4	0	026	272.59
S1500C40	4	2	0	026	375.58

Compression Coupling Nut Wrenches

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
CCW-007	3/4	1	50	299	25.12
CCW-010	1	1	50	299	26.18
CCW-012	1-1/4	1	50	299	29.57
CCW-015	1-1/2	1	50	299	31.92
CCW-020 ¹	2	1	50	299	35.69
CCW-030 ²	3	1	25	299	43.88

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	206.11
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 72.24	S1580-05F 72.24	S1580-05FSR 78.34	20	0	026
3/4	S1580-07 81.77	S1580-07F 81.77	S1580-07FSR 90.48	20	0	026
1	S1580-10 85.17	S1580-10F 85.17	S1580-10FSR 97.27	20	0	026
1-1/4	S1580-12 88.65	S1580-12F 88.65	S1580-12FSR 108.17	12	0	026
1-1/2	S1580-15 94.40	S1580-15F 94.40	S1580-15FSR 127.61	12	0	026
2	S1580-20 98.97	S1580-20F 98.97	S1580-20FSR 135.05	15	0	026
2-1/2	S1580-25 175.64	S1580-25F 175.64	S1580-25FSR 231.57	5	0	026
3	S1580-30 183.18	S1580-30F 183.18	S1580-30FSR 279.60	4	0	026

Utility Spring Check Valves & True Union Utility Spring Check Valves



Utility Spring Check Valves

PVC White Spring Check (Spring Assisted Swing Check)

(continued)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
4	S1580-40 260.00	S1580-40F 260.00	S1580-40FSR 359.87	2	0	026

PVC Clear Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1580C05 74.42	S1580C05F 74.42	S1580C05FSR 80.63	20	0	026
3/4	S1580C07 84.27	S1580C07F 84.27	S1580C07FSR 93.08	20	0	026
1	S1580C10 87.86	S1580C10F 87.86	S1580C10FSR 99.96	20	0	026
1-1/4	S1580C12 91.44	S1580C12F 91.44	S1580C12FSR 110.88	12	0	026
1-1/2	S1580C15 96.91	S1580C15F 96.91	S1580C15FSR 130.20	12	0	026
2	S1580C20 100.57	S1580C20F 100.57	S1580C20FSR 136.61	15	0	026
2-1/2	S1580C25 181.08	S1580C25F 181.08	S1580C25FSR 236.95	5	0	026
3	S1580C30 188.57	S1580C30F 188.57	S1580C30FSR 375.20	4	0	026
4	S1580C40 267.92	S1580C40F 267.92	S1580C40FSR 367.78	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 96.06	S1780-05F 96.06	S1780-05FSR 102.14	20	0	026

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

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
3/4	S1780-07 108.97	S1780-07F 108.97	S1780-07FSR 117.75	30	0	026
1	S1780-10 113.57	S1780-10F 113.57	S1780-10FSR 125.65	18	0	026
1-1/4	S1780-12 118.31	S1780-12F 118.31	S1780-12FSR 137.64	12	0	026
1-1/2	S1780-15 126.01	S1780-15F 126.01	S1780-15FSR 159.34	10	0	026
2	S1780-20 131.20	S1780-20F 131.20	S1780-20FSR 167.23	10	0	026
2-1/2	S1780-25 234.18	S1780-25F 234.18	S1780-25FSR 289.99	2	0	026
3	S1780-30 244.31	S1780-30F 244.31	S1780-30FSR 340.71	2	0	026
4	S1780-40 346.63	S1780-40F 346.63	S1780-40FSR 446.62	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 99.09	S1780C05F 99.09	S1780C05FSR 105.20	20	0	026
3/4	S1780C07 112.40	S1780C07F 112.40	S1780C07FSR 121.14	30	0	026
1	S1780C10 117.06	S1780C10F 117.06	S1780C10FSR 129.26	18	0	026
1-1/4	S1780C12 121.89	S1780C12F 121.89	S1780C12FSR 141.25	12	0	026
1-1/2	S1780C15 129.26	S1780C15F 129.26	S1780C15FSR 163.27	10	0	026
2	S1780C20 133.02	S1780C20F 133.02	S1780C20FSR 171.19	10	0	026
2-1/2	S1780C25 241.44	S1780C25F 241.44	S1780C25FSR 297.40	2	0	026
3	S1780C30 251.85	S1780C30F 251.85	S1780C30FSR 348.22	2	0	026
4	S1780C40 357.39	S1780C40F 357.39	S1780C40FSR 457.37	1	0	026



Valves Product

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

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 In-line Adjustable Spring Check Valves



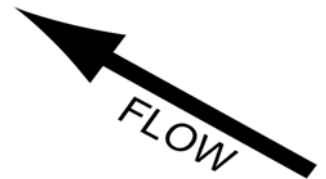
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PVC Diaphragm Check Valves - Socket

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
6562-007	3/4	15	0	004	184.23

PVC Diaphragm Check Valves - Thread

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
6561-007	3/4	15	0	004	184.23

CPVC Diaphragm Check Valves - Socket

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
6562-007C	3/4	15	0	004	241.91

CPVC Diaphragm Check Valves - Thread

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
6561-007C	3/4	15	0	004	241.91

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.

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	24.12
S1102-07	3/4	25	150	026	24.62
S1102-10	1	25	150	026	40.87
S1102-05-07	1/2X3/4	25	150	026	35.15

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	24.12

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	25.45