



Check Valves



PRODUCT

Contact Spears® for any Information not found.



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 69.20	4539-005 77.98	1	18	604
3/4	4529-007 82.51	4539-007 87.08	1	18	604
1	4529-010 98.14	4539-010 109.39	1	18	604
1-1/4	4529-012 143.31	4539-012 160.83	1	12	604
1-1/2	4529-015 164.59	4539-015 182.66	1	8	604
2	4529-020 224.69	4539-020 249.85	1	8	604

Socket Ends

2-1/2	4522-025 544.77	4532-025 580.20	1	0	605
3	4522-030 693.27	4532-030 777.13	1	0	605
4	4522-040 1021.88	4532-040 1076.62	1	0	605
6	4522-060 2009.49	4532-060 2227.07	1	0	558
8	4522-080 2677.99	4532-080 2968.55	1	0	558

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

Threaded Ends

2-1/2	4521-025 544.77	4531-025 580.20	1	0	605
3	4521-030 697.74	4531-030 782.64	1	0	605
4	4521-040 1021.88	4531-040 1076.62	1	0	605

PVC Industrial (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Threaded Ends

6	4521-060 2009.49	4531-060 2227.07	1	0	558
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SR Threaded Ends

1/2	4521-005SR 70.61	4531-005SR 79.36	1	18	604
3/4	4521-007SR 85.86	4531-007SR 90.44	1	18	604
1	4521-010SR 101.45	4531-010SR 112.73	1	18	604
1-1/4	4521-012SR 149.96	4531-012SR 167.45	1	12	604
1-1/2	4521-015SR 175.32	4531-015SR 193.39	1	8	604
2	4521-020SR 236.29	4531-020SR 261.47	1	8	604
2-1/2	4521-025SR 574.45	4531-025SR 609.92	1	0	605
3	4521-030SR 712.25	4531-030SR 609.92	1	0	605
4	4521-040SR 1056.54	4531-040SR 1111.31	1	0	605
6	4521-060SR 2066.86	4531-060SR 2286.37	1	0	558

Spigot Ends

1/2	4527-005 69.20	4537-005 77.98	1	18	604
3/4	4527-007 82.51	4537-007 87.08	1	18	604
1	4527-010 98.14	4537-010 109.39	1	12	604
1-1/4	4527-012 143.31	4537-012 160.83	1	12	604
1-1/2	4527-015 164.59	4537-015 182.66	1	8	604
2	4527-020 224.69	4537-020 249.85	1	8	604
2-1/2	4527-025 544.77	4537-025 580.20	1	0	605
3	4527-030 616.85	4537-030 778.86	1	0	605
4	4527-040 1021.88	4537-040 1076.62	1	0	605
6	4527-060 2009.49	4537-060 2227.07	1	0	558

Flanged Ends

1/2	4523-005 97.55	4533-005 122.45	1	8	604
3/4	4523-007 117.99	4533-007 146.83	5	0	604
1	4523-010 139.85	4533-010 170.86	1	8	604
1-1/4	4523-012 172.96	4533-012 223.60	2	0	604
1-1/2	4523-015 238.67	4533-015 259.40	3	0	604
2	4523-020 336.85	4533-020 344.83	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	4523-025 697.82	4533-025 812.63	1	0	605
3	4523-030 976.14	4533-030 1135.08	1	0	605
4	4523-040 1321.27	4533-040 1533.65	1	0	605
6	4523-060 3164.58	4533-060 3670.91	1	0	558
8	4523-080 4109.83	4533-080 4777.27	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 102.28	4539-005C 113.86	1	18	606
3/4	4529-007C 122.41	4539-007C 136.04	1	18	606
1	4529-010C 144.44	4539-010C 160.47	1	18	606
1-1/4	4529-012C 248.78	4539-012C 276.17	1	12	606
1-1/2	4529-015C 248.78	4539-015C 276.17	1	8	606
2	4529-020C 332.27	4539-020C 370.24	1	8	606

Socket Ends

2-1/2	4522-025C 696.29	4532-025C 773.63	1	0	607
3	4522-030C 925.06	4532-030C 1007.56	1	0	607
4	4522-040C 1527.97	4532-040C 1698.81	1	0	607
6	4522-060C 3154.66	4532-060C 3504.73	1	0	559
8	4522-080C 3711.39	4532-080C 4671.67	1	0	559

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

Threaded Ends

2-1/2	4521-025C 696.29	4531-025C 773.63	1	0	607
3	4521-030C 922.32	4531-030C 1033.48	1	0	607
4	4521-040C 1527.97	4531-040C 1698.81	1	0	607
6	4521-060C 3154.66	4531-060C 3504.73	1	0	559

SR Threaded Ends

1/2	4521-005CSR 103.64	4531-005CSR 115.24	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 125.77	4531-007CSR 139.36	1	18	606
1	4521-010CSR 147.76	4531-010CSR 163.81	1	18	606
1-1/4	4521-012CSR 255.41	4531-012CSR 286.91	1	12	606
1-1/2	4521-015CSR 255.41	4531-015CSR 286.91	1	8	606
2	4521-020CSR 343.91	4531-020CSR 381.85	1	8	606
2-1/2	4521-025CSR 726.38	4531-025CSR 803.34	1	0	607
3	4521-030CSR 726.38	4531-030CSR 1082.55	1	0	607
4	4521-040CSR 1562.61	4531-040CSR 1733.48	1	0	607
6	4521-060CSR 3239.73	4531-060CSR 3589.81	1	0	559

Spigot Ends

1/2	4527-005C 102.28	4537-005C 113.86	1	18	606
3/4	4527-007C 122.41	4537-007C 136.04	1	18	606
1	4527-010C 144.44	4537-010C 160.47	1	12	606
1-1/4	4527-012C 248.78	4537-012C 276.17	1	12	606
1-1/2	4527-015C 282.49	4537-015C 276.17	1	8	606
2	4527-020C 332.27	4537-020C 370.24	1	8	606
2-1/2	4527-025C 696.29	4537-025C 773.63	1	0	607
3	4527-030C 904.84	4537-030C 1001.80	1	0	607
4	4527-040C 1527.97	4537-040C 1698.81	1	0	607
6	4527-060C 3154.66	4537-060C 3504.73	1	0	559

Flanged Ends

1/2	4523-005C 126.99	4533-005C 158.69	1	8	606
3/4	4523-007C 151.53	4533-007C 191.79	1	8	606
1	4523-010C 180.92	4533-010C 223.03	1	8	606
1-1/4	4523-012C 305.15	4533-012C 378.37	1	8	606
1-1/2	4523-015C 326.02	4533-015C 407.37	1	4	606
2	4523-020C 576.44	4533-020C 618.01	1	0	606
2-1/2	4523-025C 1044.39	4533-025C 1129.91	1	0	607
3	4523-030C 1166.15	4533-030C 1279.35	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 1929.35	4533-040C 2071.77	1	0	607
6	4523-060C 5144.40	4533-060C 5348.13	1	0	559
8	4523-080C 5921.69	4533-080C 6443.49	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 75.73	2239-005 85.32	1	18	220
3/4	2229-007 90.27	2239-007 95.31	1	12	220
1	2229-010 107.35	2239-010 119.67	1	8	220
1-1/4	2229-012 156.80	2239-012 175.96	1	8	220
1-1/2	2229-015 180.07	2239-015 199.85	1	8	220
2	2229-020 245.84	2239-020 273.38	1	4	220

Socket Ends

2-1/2	2222-025 596.02	2232-025 634.78	1	0	220
3	2222-030 720.02	2232-030 836.68	1	0	220
4	2222-040 1118.04	2232-040 1177.97	1	0	220

Socket Venturied Ends

6 VENTURIED	2222-060 1510.46	2232-060 1710.94	1	0	221
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Threaded Ends

2-1/2	2221-025 596.02	2231-025 634.78	1	0	220
3	2221-030 720.02	2231-030 836.68	1	0	220
4	2221-040 1118.04	2231-040 1177.97	1	0	220

Flanged Ends

1/2	2223-005 106.76	2233-005 133.99	6	0	220
3/4	2223-007 129.09	2233-007 160.65	5	0	220
1	2223-010 153.01	2233-010 186.95	5	0	220
1-1/4	2223-012 189.25	2233-012 244.64	2	0	220
1-1/2	2223-015 261.11	2233-015 283.84	3	0	220
2	2223-020 368.56	2233-020 377.31	2	0	220
2-1/2	2223-025 763.49	2233-025 889.13	1	0	220
3	2223-030 1067.98	2233-030 1241.91	1	0	220
4	2223-040 1445.63	2233-040 1677.98	1	0	220

Flanged Venturied Ends

6 VENTURIED	2223-060 1809.21	2233-060 2018.59	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 111.92	2239-005C 124.58	1	18	222
3/4	2229-007C 133.95	2239-007C 148.85	1	12	222
1	2229-010C 158.06	2239-010C 175.59	1	8	222
1-1/4	2229-012C 272.18	2239-012C 302.17	1	8	222
1-1/2	2229-015C 329.13	2239-015C 347.91	1	8	222
2	2229-020C 364.47	2239-020C 405.09	1	4	222

Socket Ends

2-1/2	2222-025C 761.84	2232-025C 846.46	1	0	222
3	2222-030C 1240.91	2232-030C 1357.95	1	0	222
4	2222-040C 1671.78	2232-040C 1858.71	1	0	222

Socket Venturied Ends

6 VENTURIED	2222-060C 2156.60	2232-060C 2416.26	1	0	223
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Threaded Ends

2-1/2	2221-025C 761.84	2231-025C 846.46	1	0	222
3	2221-030C 1240.91	2231-030C 1357.95	1	0	222
4	2221-040C 1671.78	2231-040C 1858.71	1	0	222

Flanged Ends

1/2	2223-005C 138.96	2233-005C 173.62	6	0	222
3/4	2223-007C 165.77	2233-007C 209.87	5	0	222
1	2223-010C 197.94	2233-010C 244.02	5	0	222
1-1/4	2223-012C 333.88	2233-012C 413.98	2	0	222
1-1/2	2223-015C 356.69	2233-015C 445.71	3	0	222
2	2223-020C 630.68	2233-020C 676.18	2	0	222
2-1/2	2223-025C 1003.54	2233-025C 1142.68	1	0	222
3	2223-030C 1275.94	2233-030C 1399.77	1	0	222
4	2223-040C 2110.94	2233-040C 2266.76	1	0	222

Flanged Venturied Ends

CPVC (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Flanged Venturied Ends					
6 VENTURIED	2223-060C 2544.79	2233-060C 2754.58	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 55.87	FVS-005C 77.17	10	60	299
3/4	FVS-007 66.34	FVS-007C 83.24	10	60	299
1	FVS-010 80.69	FVS-010C 94.49	10	40	299
1-1/4	FVS-012 117.46	FVS-012C 145.95	5	30	299
1-1/2	FVS-015 123.73	FVS-015C 151.55	5	0	299
2	FVS-020 139.64	FVS-020C 167.29	5	0	299
2-1/2	FVS-025 192.07	FVS-025C 243.75	5	0	299
3	FVS-030 197.59	FVS-030C 271.43	5	0	299
4	FVS-040 233.77	FVS-040C 387.95	5	0	299
6	FVS-060 316.58	FVS-060C 554.36	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	3.44
CFVS7-007	3/4	25	150	299	3.93
CFVS7-010	1	25	150	299	4.64
CFVS7-012	1-1/4	50	0	299	5.91
CFVS7-015	1-1/2	25	0	299	9.89
CFVS7-020	2	25	0	299	11.25



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	3.44
CFVS1-007	3/4	25	150	299	3.93
CFVS1-010	1	20	120	299	4.64
CFVS1-012	1-1/4	50	0	299	5.91
CFVS1-015	1-1/2	25	0	299	9.89
CFVS1-020	2	25	0	299	11.25

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	4.13
CFVS1-007P	3/4	25	150	299	4.94
CFVS1-010P	1	20	120	299	5.67
CFVS1-012P	1-1/4	50	0	299	6.52
CFVS1-015P	1-1/2	25	0	299	11.11
CFVS1-020P	2	25	0	299	12.44

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	1622-005 108.79	1632-005 120.64	1	18	627
3/4	1622-007 116.69	1632-007 130.56	1	18	627
1	1622-010 128.57	1632-010 142.39	1	12	627
1-1/4	1622-012 201.74	1632-012 223.52	1	8	627
1-1/2	1622-015 219.54	1632-015 243.28	1	8	627

PVC - Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	1622-020 272.96	1632-020 302.62	1	4	627
3	1622-030 539.97	1632-030 599.28	1	0	627
4	1622-040 941.46	1632-040 1046.29	1	0	627

PVC - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005SR 112.75	1631-005SR 124.62	1	18	627
3/4	1621-007SR 122.61	1631-007SR 136.47	1	12	627
1	1621-010SR 136.47	1631-010SR 150.31	1	8	627
1-1/4	1621-012SR 213.61	1631-012SR 235.37	1	8	627
1-1/2	1621-015SR 237.34	1631-015SR 261.07	1	4	627
2	1621-020SR 292.72	1631-020SR 322.39	1	0	627
3	1621-030SR 593.39	1631-030SR 652.68	1	0	627
4	1621-040SR 996.84	1631-040SR 1101.66	1	0	627

PVC - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005 142.39	1633-005 158.24	1	8	627
3/4	1623-007 156.24	1633-007 174.05	1	4	627
1	1623-010 182.91	1633-010 209.65	1	8	627
1-1/4	1623-012 290.74	1633-012 322.39	1	4	627
1-1/2	1623-015 308.57	1633-015 342.16	1	4	627
2	1623-020 413.36	1633-020 458.85	1	0	627
3	1623-030 808.93	1633-030 897.94	1	0	627
4	1623-040 1291.54	1633-040 1433.95	1	0	627

PVC Clear - Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1622-005CL 108.79	1632-005CL 120.64	1	18	628
3/4	1622-007CL 116.69	1632-007CL 130.56	1	18	628
1	1622-010CL 128.57	1632-010CL 142.39	1	12	628
1-1/4	1622-012CL 201.74	1632-012CL 223.52	1	8	628
1-1/2	1622-015CL 219.54	1632-015CL 243.28	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 272.96	1632-020CL 302.62	1	4	628
3	1622-030CL 539.97	1632-030CL 599.28	1	0	628
4	1622-040CL 941.46	1632-040CL 1046.29	1	0	628

PVC Clear - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005CLSR 112.75	1631-005CLSR 124.62	1	18	628
3/4	1621-007CLSR 122.61	1631-007CLSR 136.47	1	12	628
1	1621-010CLSR 136.47	1631-010CLSR 150.31	1	8	628
1-1/4	1621-012CLSR 213.61	1631-012CLSR 235.37	1	8	628
1-1/2	1621-015CLSR 237.34	1631-015CLSR 261.07	1	4	628
2	1621-020CLSR 292.72	1631-020CLSR 322.39	1	0	628
3	1621-030CLSR 593.39	1631-030CLSR 652.68	1	0	628
4	1621-040CLSR 996.84	1631-040CLSR 1101.66	1	0	628

PVC Clear - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005CL 142.39	1633-005CL 158.24	1	8	628
3/4	1623-007CL 156.24	1633-007CL 174.05	1	8	628
1	1623-010CL 187.88	1633-010CL 209.65	1	8	628
1-1/4	1623-012CL 290.74	1633-012CL 322.39	1	4	628
1-1/2	1623-015CL 308.57	1633-015CL 342.16	1	4	628
2	1623-020CL 413.36	1633-020CL 458.85	1	0	628
3	1623-030CL 808.93	1633-030CL 897.94	1	0	628
4	1623-040CL 1291.54	1633-040CL 1433.95	1	0	628

CPVC - Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1622-005C 156.24	1632-005C 172.06	1	18	629
3/4	1622-007C 168.14	1632-007C 185.92	1	18	629
1	1622-010C 183.95	1632-010C 203.72	1	12	629
1-1/4	1622-012C 288.77	1632-012C 320.42	1	8	629

CPVC - Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/2	1622-015C 314.48	1632-015C 348.09	1	8	629
2	1622-020C 389.63	1632-020C 433.14	1	4	629
3	1622-030C 1115.09	1632-030C 1247.72	1	0	629
4	1622-040C 1344.91	1632-040C 1495.23	1	0	629

CPVC - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005CSR 160.20	1631-005CSR 177.99	1	18	629
3/4	1621-007CSR 174.05	1631-007CSR 193.84	1	12	629
1	1621-010CSR 193.84	1631-010CSR 213.61	1	8	629
1-1/4	1621-012CSR 304.59	1631-012CSR 334.25	1	8	629
1-1/2	1621-015CSR 340.18	1631-015CSR 373.83	1	4	629
2	1621-020CSR 417.32	1631-020CSR 460.86	1	0	629
3	1621-030CSR 848.49	1631-030CSR 933.55	1	0	629
4	1621-040CSR 1422.06	1631-040CSR 1572.40	1	0	629

CPVC - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005C 203.72	1633-005C 209.69	1	8	629
3/4	1623-007C 223.52	1633-007C 249.21	1	8	629
1	1623-010C 269.01	1633-010C 299.45	1	8	629
1-1/4	1623-012C 415.36	1633-012C 460.86	1	4	629
1-1/2	1623-015C 439.06	1633-015C 488.52	1	4	629
2	1623-020C 589.40	1633-020C 654.65	1	0	629
3	1623-030C 1155.07	1633-030C 1283.62	1	0	629
4	1623-040C 1843.35	1633-040C 2049.05	1	0	629

PVC - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005 118.68	163A-005 130.56	1	12	627
3/4	162A-007 126.57	163A-007 142.39	1	8	627
1	162A-010 140.43	163A-010 154.25	1	8	627
1-1/4	162A-012 219.54	163A-012 243.28	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-015 239.33	163A-015 265.04	1	0	627
2	162A-020 296.67	163A-020 328.29	2	0	627
3	162A-030 587.41	163A-030 640.83	1	0	627
4	162A-040 1024.54	163A-040 1137.27	1	0	627

PVC - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005 118.68	163B-005 130.56	1	12	627
3/4	162B-007 126.57	163B-007 142.39	1	8	627
1	162B-010 140.43	163B-010 154.25	1	8	627
1-1/4	162B-012 217.59	163B-012 243.28	1	4	627
1-1/2	162B-015 239.33	163B-015 265.04	1	0	627
2	162B-020 296.67	163B-020 328.29	2	0	627
3	162B-030 587.41	163B-030 640.83	1	0	627
4	162B-040 1024.54	163B-040 1137.27	1	0	627

PVC - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005SR 122.61	163B-005SR 134.51	1	12	627
3/4	162B-007SR 132.51	163B-007SR 146.36	1	8	627
1	162B-010SR 146.36	163B-010SR 162.19	1	8	627
1-1/4	162B-012SR 231.40	163B-012SR 255.13	1	4	627
1-1/2	162B-015SR 259.09	163B-015SR 284.81	1	0	627
2	162B-020SR 318.44	163B-020SR 352.04	1	0	627
3	162B-030SR 644.78	163B-030SR 710.06	1	0	627
4	162B-040SR 1081.88	163B-040SR 1196.60	1	0	627

PVC Clear - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005CL 118.68	163A-005CL 130.56	1	12	628
3/4	162A-007CL 126.57	163A-007CL 142.39	1	8	628
1	162A-010CL 140.43	163A-010CL 154.25	1	8	628

PVC Clear - True Union Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/4	162A-012CL 219.54	163A-012CL 243.28	1	4	628
1-1/2	162A-015CL 239.33	163A-015CL 265.04	1	0	628
2	162A-020CL 296.67	163A-020CL 328.29	2	0	628
3	162A-030CL 587.41	163A-030CL 640.83	1	0	628
4	162A-040CL 1024.54	163A-040CL 1137.27	1	0	628

PVC Clear - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CL 118.68	163B-005CL 130.56	1	12	628
3/4	162B-007CL 126.57	163B-007CL 142.39	1	8	628
1	162B-010CL 140.43	163B-010CL 154.25	1	8	628
1-1/4	162B-012CL 219.54	163B-012CL 243.28	1	4	628
1-1/2	162B-015CL 239.33	163B-015CL 265.04	1	0	628
2	162B-020CL 296.67	163B-020CL 328.29	2	0	628
3	162B-030CL 587.41	163B-030CL 640.83	1	0	628
4	162B-040CL 1024.54	163B-040CL 1137.27	1	0	628

PVC Clear - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CLSR 122.61	163B-005CLSR 134.51	1	12	628
3/4	162B-007CLSR 132.51	163B-007CLSR 146.36	1	8	628
1	162B-010CLSR 146.36	163B-010CLSR 162.19	1	8	628
1-1/4	162B-012CLSR 231.40	163B-012CLSR 255.13	1	4	628
1-1/2	162B-015CLSR 259.09	163B-015CLSR 284.81	1	0	628
2	162B-020CLSR 318.44	163B-020CLSR 352.04	1	0	628
3	162B-030CLSR 644.78	163B-030CLSR 710.06	1	0	628
4	162B-040CLSR 1081.88	163B-040CLSR 1196.60	1	0	628

CPVC - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005C 170.11	163A-005C 187.88	1	12	629
3/4	162A-007C 181.96	163A-007C 203.72	1	8	629
1	162A-010C 199.76	163A-010C 221.53	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 312.51	163A-012C 348.09	1	4	629
1-1/2	162A-015C 340.18	163A-015C 377.80	1	0	629
2	162A-020C 423.25	163A-020C 470.72	2	0	629
3	162A-030C 838.60	163A-030C 915.73	1	0	629
4	162A-040C 1461.64	163A-040C 1623.81	1	0	629

CPVC - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005C 170.11	163B-005C 187.88	1	12	629
3/4	162B-007C 181.96	163B-007C 203.72	1	8	629
1	162B-010C 199.76	163B-010C 221.53	1	8	629
1-1/4	162B-012C 312.51	163B-012C 348.09	1	4	629
1-1/2	162B-015C 340.18	163B-015C 377.80	1	0	629
2	162B-020C 423.25	163B-020C 470.72	2	0	629
3	162B-030C 838.60	163B-030C 915.73	1	0	629
4	162B-040C 1461.64	163B-040C 1623.81	1	0	629

CPVC - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CSR 174.05	163B-005CSR 191.84	1	12	629
3/4	162B-007CSR 189.88	163B-007CSR 209.65	1	8	629
1	162B-010CSR 209.65	163B-010CSR 231.40	1	8	629
1-1/4	162B-012CSR 330.28	163B-012CSR 363.93	1	4	629
1-1/2	162B-015CSR 369.86	163B-015CSR 405.44	1	0	629
2	162B-020CSR 454.91	163B-020CSR 500.39	1	0	629
3	162B-030CSR 921.68	163B-030CSR 1012.67	1	0	629
4	162B-040CSR 1546.68	163B-040CSR 1708.87	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 4.27	YC-VRK-005 12.66	1	10	299
3/4	YC-ERK-007 4.91	YC-VRK-007 13.67	1	10	299
1	YC-ERK-010 5.01	YC-VRK-010 18.56	1	10	299
1-1/4	YC-ERK-012 5.24	YC-VRK-012 34.52	1	10	299
1-1/2	YC-ERK-015 9.11	YC-VRK-015 37.68	1	10	299
2	YC-ERK-020 12.25	YC-VRK-020 45.11	1	10	299
3	YC-ERK-030 21.14	YC-VRK-030 118.32	1	10	299
4	YC-ERK-040 27.36	YC-VRK-040 170.34	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 5.01	YC-UVRK-005 15.20	1	10	299
3/4	YC-UERK-007 5.81	YC-UVRK-007 17.00	1	10	299
1	YC-UERK-010 6.11	YC-UVRK-010 24.59	1	10	299
1-1/4	YC-UERK-012 7.61	YC-UVRK-012 43.16	1	10	299
1-1/2	YC-UERK-015 12.79	YC-UVRK-015 53.64	1	10	299
2	YC-UERK-020 16.92	YC-UVRK-020 65.06	1	10	299
3	YC-UERK-030 36.76	YC-UVRK-030 150.12	1	10	299
4	YC-UERK-040 40.72	YC-UVRK-040 210.15	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
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Wafer

2	5420-020 497.67	5430-020 548.39	1	18	289
2-1/2	5420-025 685.84	5430-025 755.83	1	0	289

PVC (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Wafer

3	5420-030 877.29	5430-030 966.74	1	8	289
4	5420-040 1193.09	5430-040 1314.79	1	4	289
6	5420-060 1808.79	5430-060 1993.28	1	0	289
8	5420-080 3068.86	5430-080 3381.88	1	0	289
10	5420-100 5642.82	5430-100 6263.52	1	0	289
12	5420-120 7956.31	5430-120 8831.53	1	0	289
14	5420-140 8944.21	---	1	0	289
16	5420-160 12284.23	---	1	0	289
18	5420-180 12898.51	---	1	0	289
20	5420-200 14896.84	---	1	0	289
24	5420-240 16802.40	5430-240 17138.35	1	0	289

Flanged Ends

2	5423-020 634.80	5433-020 682.68	1	8	289
2-1/2	5423-025 826.23	5433-025 899.63	1	0	289
3	5423-030 1186.73	5433-030 1304.76	1	0	289
4	5423-040 1540.82	5433-040 1719.43	1	0	289
6	5423-060 2497.85	5433-060 2858.33	1	0	289
8	5423-080 3579.27	5433-080 4223.66	1	0	289
10	5423-100 6590.75	5433-100 7515.85	1	0	289
12	5423-120 9337.40	5433-120 9932.85	1	0	289
14	5423-140 13165.73	5433-140 14005.25	4	0	289
16	5423-160 18530.78	5433-160 20007.48	1	0	289
18	5423-180 23675.21	5433-180 25324.54	1	0	289
20	5423-200 31117.20	5433-200 33321.74	1	0	289
24	5423-240 40757.63	5433-240 43842.20	1	0	289

Spigot (Plain End)

2	5427-020 271.16	5437-020 319.01	1	12	289
2-1/2	5427-025 373.24	5437-025 446.64	1	12	289
3	5427-030 500.84	5437-030 618.87	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	5427-040 657.15	5437-040 835.82	1	4	289
6	5427-060 1397.24	5437-060 1757.73	1	0	289
8	5427-080 2083.15	5437-080 2727.51	1	0	289
10	5427-100 5094.56	5437-100 6019.67	1	0	289
12	5427-120 6900.16	5437-120 8088.97	1	0	289
14	5427-140 9208.87	5437-140 10581.53	1	0	289
16	5427-160 13854.85	5437-160 16243.85	1	0	289
18	5427-180 17318.57	5437-180 20302.99	1	0	289
20	5427-200 21647.63	5437-200 25377.12	1	0	289
24	5427-240 30925.14	5437-240 36251.77	1	0	289

Threaded Ends

2	5421A-020 264.79	5431A-020 312.63	1	4	289
2-1/2	5421A-025 360.48	5431A-025 433.84	1	8	289
3	5421A-030 491.29	5431A-030 609.28	1	8	289
4	5421A-040 644.40	5431A-040 823.03	1	4	289
6	5421A-060 1371.74	5431A-060 1732.21	1	0	289
8	5421A-080 2060.84	5431A-080 2705.19	1	0	289
10	5421A-100 5084.14	5431A-100 6010.76	1	0	289
12	5421A-120 6891.65	5431A-120 8080.47	1	0	289

Grooved Ends

2	542G-020 299.85	543G-020 347.72	1	12	289
2-1/2	542G-025 392.39	543G-025 465.75	1	8	289
3	542G-030 516.79	543G-030 634.80	1	8	289
4	542G-040 695.44	543G-040 874.08	1	4	289
6	542G-060 1454.67	543G-060 1815.17	1	0	289
8	542G-080 2146.92	543G-080 2791.34	1	0	289
10	542G-100 5196.63	543G-100 6121.75	1	0	289
12	542G-120 7037.32	543G-120 8227.24	1	0	289

CPVC

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Wafer					
2	5420-020C 771.36	5430-020C 856.21	1	18	290
2-1/2	5420-025C 1063.07	5430-025C 1126.64	1	0	290
3	5420-030C 1359.78	5430-030C 1509.35	1	0	290
4	5420-040C 1849.33	5430-040C 2052.75	1	0	290
6	5420-060C 2803.61	5430-060C 3112.02	1	0	290
8	5420-080C 4756.75	5430-080C 5279.98	1	0	290
10	5420-100C 10229.93	5430-100C 11252.93	1	0	290
12	5420-120C 18016.27	5430-120C 19817.91	1	0	290

Flanged Ends

2	5423-020C 982.54	5433-020C 1030.39	1	8	290
2-1/2	5423-025C 1572.71	5433-025C 1646.08	1	0	290
3	5423-030C 1681.17	5433-030C 1799.20	1	0	290
4	5423-040C 1968.27	5433-040C 2146.92	1	0	290
6	5423-060C 3470.80	5433-060C 3831.31	1	0	290
8	5423-080C 5560.33	5433-080C 6204.75	1	0	290
10	5423-100C 10508.16	5433-100C 11433.27	1	0	290
12	5423-120C 18926.78	5433-120C 20116.73	1	0	290
14	5423-140C 27037.80	5433-140C 28737.80	1	0	290
16	5423-160C 37550.41	5433-160C 39913.59	1	0	290
18	5423-180C 46937.99	5433-180C 49892.01	1	0	290
20	5423-200C 67054.04	5433-200C 71272.85	1	0	290
24	5423-240C 83815.67	5433-240C 89090.75	1	0	290

Spigot (Plain End)

2	5427-020C 516.79	5437-020C 564.65	1	12	290
2-1/2	5427-025C 698.65	5437-025C 771.99	1	12	290
3	5427-030C 711.40	5437-030C 828.37	1	8	290
4	5427-040C 893.22	5437-040C 1071.87	1	4	290
6	5427-060C 1910.88	5437-060C 2271.37	1	0	290
8	5427-080C 2867.88	5437-080C 3512.28	1	0	290



Valves Product

Butterfly Check Valves & Butterfly Check Valve Repair Kits

Butterfly Check Valves

Butterfly Check Valve Repair Kits

CPVC (continued)

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

10	5427-100C 7168.12	5437-100C 8093.28	1	0	290
12	5427-120C 11761.86	5437-120C 12950.69	1	0	290
14	5427-140C 12302.26	5437-140C 25694.89	1	0	290
16	5427-160C 16268.29	5437-160C 16887.55	1	0	290
18	5427-180C 24738.69	5437-180C 28393.65	1	0	290
20	5427-200C 30924.59	5437-200C 35488.57	1	0	290
24	5427-240C 32030.46	5437-240C 89090.75	1	0	290

Threaded Ends

2	5421A-020C 513.64	5431A-020C 593.39	1	12	290
2-1/2	5421A-025C 695.86	5431A-025C 769.87	1	8	290
3	5421A-030C 707.14	5431A-030C 825.14	1	8	290
4	5421A-040C 888.97	5431A-040C 1067.62	1	4	290
6	5421A-060C 1895.97	5431A-060C 2255.38	1	0	290
8	5421A-080C 2854.69	5431A-080C 3499.11	1	0	290
10	5421A-100C 7156.82	5431A-100C 8081.98	1	0	290
12	5421A-120C 11743.12	5431A-120C 12933.03	1	0	290

Grooved Ends

2	542G-020C 545.54	543G-020C 631.88	1	12	290
2-1/2	542G-025C 724.15	543G-025C 797.54	1	8	290
3	542G-030C 735.81	543G-030C 853.86	1	8	290
4	542G-040C 944.26	543G-040C 1123.74	1	4	290
6	542G-060C 1977.86	543G-060C 2338.35	1	0	290
8	542G-080C 2931.92	543G-080C 3576.31	1	0	290
10	542G-100C 7276.60	543G-100C 8201.71	1	0	290
12	542G-120C 12128.72	543G-120C 13318.59	1	0	290

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

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

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

PVC Butterfly Check Valve Repair Kits

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	BFC-ERK-020 191.49	BFC-VRK-020 226.24	1	10	299
2-1/2	BFC-ERK-025 260.78	BFC-VRK-025 313.92	1	0	299
3	BFC-ERK-030 355.21	BFC-VRK-030 440.21	1	10	299
4	BFC-ERK-040 466.16	BFC-VRK-040 595.15	1	10	299
6	BFC-ERK-060 992.25	BFC-VRK-060 1253.03	1	10	299
8	BFC-ERK-080 1490.96	BFC-VRK-080 1956.69	1	10	299
10	BFC-ERK-100 3677.57	BFC-VRK-100 4347.74	1	0	299
12	BFC-ERK-120 4985.00	BFC-VRK-120 5844.81	1	0	299

CPVC Butterfly Check Valve Repair Kits

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	BFC-ERK-020C 371.55	BFC-VRK-020C 406.11	1	10	299
2-1/2	BFC-ERK-025C 503.40	BFC-VRK-025C 556.96	1	10	299
3	BFC-ERK-030C 511.77	BFC-VRK-030C 596.78	1	10	299
4	BFC-ERK-040C 642.97	BFC-VRK-040C 772.35	1	10	299
6	BFC-ERK-060C 1371.38	BFC-VRK-060C 1631.34	1	10	299
8	BFC-ERK-080C 2064.81	BFC-VRK-080C 2531.02	1	10	299
10	BFC-ERK-100C 5176.71	BFC-VRK-100C 5846.03	1	0	299
12	BFC-ERK-120C 8494.37	BFC-VRK-120C 9355.00	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	4423-007 601.43	4433-007 636.18	1	12	108
1	4423-010 693.09	4433-010 755.34	1	4	108
1-1/4	4423-012 866.98	4433-012 917.31	1	0	108
1-1/2	4423-015 950.44	4433-015 1061.84	1	0	108
2	4423-020 1094.20	4433-020 1215.80	1	0	108
2-1/2	4423-025 1831.22	4433-025 2160.29	1	0	110
3	4423-030 2047.96	4433-030 2683.75	1	0	110
4	4423-040 2610.31	4433-040 3064.73	1	0	110
6	4423-060 4960.86	4433-060 5822.74	1	0	110

Industrial Swing Check Valves (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PVC					
8	4423-080 9505.32	4433-080 11110.46	1	0	110
CPVC					
3/4	4423-007C 950.28	4433-007C 1056.01	1	12	109
1	4423-010C 1095.80	4433-010C 1218.44	1	4	109
1-1/4	4423-012C 1370.74	4433-012C 1522.35	1	0	109
1-1/2	4423-015C 1414.22	4433-015C 1922.04	1	0	109
2	4423-020C 1823.66	4433-020C 2026.28	1	0	109
2-1/2	4423-025C 3022.18	4433-025C 3586.33	1	0	111
3	4423-030C 3775.12	4433-030C 4061.99	1	0	111
4	4423-040C 4331.80	4433-040C 5108.62	1	0	111
6	4423-060C 8865.07	4433-060C 9709.06	1	0	111
8	4423-080C 15818.35	4433-080C 18498.02	1	0	111
PP					
3/4	4423-007P 691.58	4433-007P 768.39	1	12	113
1	4423-010P 827.34	4433-010P 901.69	1	4	113
1-1/4	4423-012P 991.59	4433-012P 1101.66	1	0	113
1-1/2	4423-015P 1231.15	4433-015P 1339.65	1	0	113
2	4423-020P 1316.33	4433-020P 1479.00	1	0	113
2-1/2	4423-025P 2191.66	4433-025P 2437.89	1	0	112
3	4423-030P 2304.14	4433-030P 2755.23	1	0	112
4	4423-040P 3134.13	4433-040P 3478.85	1	0	112
6	4423-060P 5936.93	4433-060P 6601.81	1	0	112
8	4423-080P 11364.17	4433-080P 12488.15	1	0	112
Swing Check Valve With Arrow Indicator					
Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PVC					
3/4	44231-007 611.33	44331-007 646.08	1	12	108
1	44231-010 702.97	44331-010 787.00	1	4	108
1-1/4	44231-012 897.75	44331-012 986.54	1	0	108
1-1/2	44231-015 1041.14	44331-015 1137.49	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 1127.31	4433I-020 1230.52	1	0	108
2-1/2	4423I-025 1841.67	4433I-025 2048.81	1	0	110
3	4423I-030 2144.79	4433I-030 2048.81	1	0	110
4	4423I-040 2620.89	4433I-040 3114.73	1	0	110
6	4423I-060 4971.22	4433I-060 5870.71	1	0	110
8	4423I-080 9656.41	4433I-080 11167.23	1	0	110

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
CPVC					
3/4	4423I-007C 960.79	4433I-007C 1065.86	1	12	109
1	4423I-010C 1105.68	4433I-010C 1230.31	1	4	109
1-1/4	4423I-012C 1364.13	4433I-012C 1536.19	1	0	109
1-1/2	4423I-015C 1568.98	4433I-015C 1945.62	1	0	109
2	4423I-020C 1837.93	4433I-020C 2079.24	1	0	109
2-1/2	4423I-025C 3032.45	4433I-025C 3637.06	1	0	111
3	4423I-030C 3254.45	4433I-030C 4231.71	1	0	111
4	4423I-040C 4360.64	4433I-040C 5138.80	1	0	111
6	4423I-060C 8996.72	4433I-060C 9719.58	1	0	111
8	4423I-080C 15835.35	4433I-080C 18556.49	1	0	111

Industrial Swing Check Valve With Arrow Indicator

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
3/4	4423I-007P 701.45	4433I-007P 778.28	1	12	113
1	4423I-010P 841.18	4433I-010P 970.92	1	4	113
1-1/4	4423I-012P 1080.58	4433I-012P 1199.49	1	0	113
1-1/2	4423I-015P 1389.08	4433I-015P 1199.49	1	0	113
2	4423I-020P 1352.65	4433I-020P 1533.88	1	0	113
2-1/2	4423I-025P 2204.41	4433I-025P 2470.43	1	0	112
3	4423I-030P 2747.35	4433I-030P 2867.54	1	0	112
4	4423I-040P 3146.87	4433I-040P 3491.65	1	0	112
6	4423I-060P 6065.07	4433I-060P 6657.45	1	0	112

Industrial Swing Check Valve With Arrow Indicator (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
8	4423I-080P 11448.81	4433I-080P 12614.36	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-007 951.33	4433CB-007 1018.14	1	8	108
1	4423CB-010 1064.19	4433CB-010 1139.92	1	4	108
1-1/4	4423CB-012 1285.42	4433CB-012 1336.23	1	0	108
1-1/2	4423CB-015 1379.15	4433CB-015 1610.77	1	0	108
2	4423CB-020 1521.63	4433CB-020 1841.82	1	0	108
2-1/2	4423CB-025 2289.71	4433CB-025 2618.01	1	0	110
3	4423CB-030 2578.59	4433CB-030 2975.16	1	0	110
4	4423CB-040 3089.72	4433CB-040 3544.13	1	0	110
6	4423CB-060 5508.94	4433CB-060 5508.94	1	0	110
8	4423CB-080 11045.11	4433CB-080 11648.05	1	0	110

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
CPVC					
3/4	4423CB-007C 1474.93	4433CB-007C 1607.84	1	12	109
1	4423CB-010C 1600.31	4433CB-010C 1739.33	1	4	109
1-1/4	4423CB-012C 1364.13	4433CB-012C 1873.73	1	0	109
1-1/2	4423CB-015C 1873.73	4433CB-015C 2166.80	1	0	109
2	4423CB-020C 2435.40	4433CB-020C 2638.06	1	0	109
2-1/2	4423CB-025C 3676.06	4433CB-025C 4240.35	1	0	111
3	4423CB-030C 3979.61	4433CB-030C 5272.24	1	0	111
4	4423CB-040C 4924.16	4433CB-040C 5793.47	1	0	111
6	4423CB-060C 9648.06	4433CB-060C 10492.00	1	0	111
8	4423CB-080C 16614.97	4433CB-080C 19294.46	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 885.22	4433CB-007P 983.55	1	12	113
1	4423CB-010P 1058.97	4433CB-010P 1154.15	1	4	113
1-1/4	4423CB-012P 1080.58	4433CB-012P 1662.79	1	0	113
1-1/2	4423CB-015P 1527.39	4433CB-015P 2050.93	1	0	113
2	4423CB-020P 1645.41	4433CB-020P 1848.75	1	0	113
2-1/2	4423CB-025P 2540.24	4433CB-025P 3120.49	1	0	112
3	4423CB-030P 3090.74	4433CB-030P 3866.98	1	0	112
4	4423CB-040P 3539.35	4433CB-040P 3888.24	1	0	112
6	4423CB-060P 6585.04	4433CB-060P 8450.29	1	0	112
8	4423CB-080P 12021.60	4433CB-080P 13145.62	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 32.27	SK-VRK-007 39.36	1	10	299
1	SK-ERK-010 42.16	SK-VRK-010 51.41	1	10	299
1-1/2 & 1-1/4	SK-ERK-015 100.81	SK-VRK-015 127.49	1	10	299
2	SK-ERK-020 108.22	SK-VRK-020 131.96	1	10	299
2-1/2	SK-ERK-025 114.45	SK-VRK-025 146.48	1	10	299
3	SK-ERK-030 129.76	SK-VRK-030 158.35	1	10	299
4	SK-ERK-040 141.59	SK-VRK-040 172.64	1	10	299
6	SK-ERK-060 281.40	SK-VRK-060 332.19	1	10	299
8	SK-ERK-080 354.07	SK-VRK-080 429.54	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 20.47	S1520-05F 20.47	S1520-05FSR 23.88	35	0	026
3/4	S1520-07 21.14	S1520-07F 21.14	S1520-07FSR 25.99	35	0	026
1	S1520-10 22.02	S1520-10F 22.02	S1520-10FSR 28.79	20	0	026
1-1/4	S1520-12 22.87	S1520-12F 22.87	S1520-12FSR 33.74	12	0	026
1-1/2	S1520-15 24.24	S1520-15F 24.24	S1520-15FSR 42.79	12	0	026
2	S1520-20 37.63	S1520-20F 37.63	S1520-20FSR 57.77	15	0	026
2-1/2	S1520-25 62.59	S1520-25F 62.59	S1520-25FSR 82.74	5	0	026
3	S1520-30 69.56	S1520-30F 69.56	S1520-30FSR 123.38	4	0	026
4	S1520-40 98.48	S1520-40F 98.48	S1520-40FSR 154.25	2	0	026
6	S1520-60 206.95	S1520-60F 206.95	S1520-60FSR 272.97	1	0	026
8	S1520-80 384.44	---	---	1	0	026

PVC Clear Swing Check

Size	Socket	Thread	SR Threaded	Std Pk	Mstr Pk	Prod Code
1/2	S1520C05 27.84	S1520C05F 27.84	S1520C05FSR 31.24	35	0	026
3/4	S1520C07 28.40	S1520C07F 28.40	S1520C07FSR 33.29	35	0	026
1	S1520C10 28.94	S1520C10F 28.94	S1520C10FSR 35.72	20	0	026
1-1/4	S1520C12 30.38	S1520C12F 30.38	S1520C12FSR 41.22	12	0	026
1-1/2	S1520C15 33.02	S1520C15F 33.02	S1520C15FSR 51.60	12	0	026
2	S1520C20 47.55	S1520C20F 47.55	S1520C20FSR 67.66	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 79.24	S1520C25F 79.24	S1520C25FSR 110.46	5	0	026
3	S1520C30 88.04	S1520C30F 88.04	S1520C30FSR 141.85	4	0	026
4	S1520C40 118.53	S1520C40F 118.53	S1520C40FSR 174.25	2	0	026
6	S1520C60 244.97	S1520C60F 244.97	S1520C60FSR 310.99	1	0	026
8	S1520C80 409.19	---	---	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 23.29	S1720-05F 23.29	S1720-05FSR 26.67	35	0	026
3/4	S1720-07 24.00	S1720-07F 24.00	S1720-07FSR 28.89	30	0	026
1	S1720-10 25.01	S1720-10F 25.01	S1720-10FSR 31.78	18	0	026
1-1/4	S1720-12 26.33	S1720-12F 26.33	S1720-12FSR 37.17	12	0	026
1-1/2	S1720-15 28.94	S1720-15F 28.94	S1720-15FSR 47.53	10	0	026
2	S1720-20 43.46	S1720-20F 43.46	S1720-20FSR 63.53	10	0	026
2-1/2	S1720-25 72.48	S1720-25F 72.48	S1720-25FSR 103.66	2	0	026
3	S1720-30 92.56	S1720-30F 92.56	S1720-30FSR 146.39	2	0	026
4	S1720-40 124.93	S1720-40F 124.93	S1720-40FSR 180.14	1	0	026

PVC Clear True Union Swing Check

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1720C05 30.16	S1720C05F 30.16	S1720C05FSR 33.55	35	0	026
3/4	S1720C07 30.66	S1720C07F 30.66	S1720C07FSR 35.55	30	0	026
1	S1720C10 33.51	S1720C10F 33.51	S1720C10FSR 40.27	18	0	026
1-1/4	S1720C12 35.29	S1720C12F 35.29	S1720C12FSR 46.13	12	0	026
1-1/2	S1720C15 37.85	S1720C15F 37.85	S1720C15FSR 56.43	10	0	026
2	S1720C20 53.24	S1720C20F 53.24	S1720C20FSR 73.40	10	0	026
2-1/2	S1720C25 87.44	S1720C25F 87.44	S1720C25FSR 118.65	2	0	026
3	S1720C30 100.63	S1720C30F 100.63	S1720C30FSR 154.45	2	0	026
4	S1720C40 134.17	S1720C40F 134.17	S1720C40FSR 189.86	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	27.22
S1500-07	3/4	35	0	026	28.64
S1500-10	1	20	0	026	29.85



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	35.04
S1500-15	1-1/2	12	0	026	39.11
S1500-20	2	10	0	026	61.67
S1500-25	2-1/2	5	0	026	103.02
S1500-30	3	4	0	026	133.73
S1500-40	4	2	0	026	205.45

PVC Clear Compression End Swing Check

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
Compression End					
S1500C05	1/2	35	0	026	29.93
S1500C07	3/4	35	0	026	32.21
S1500C10	1	20	0	026	32.87
S1500C12	1-1/4	12	0	026	36.91
S1500C15	1-1/2	12	0	026	41.60
S1500C20	2	10	0	026	62.09
S1500C25	2-1/2	5	0	026	104.17
S1500C30	3	4	0	026	152.15
S1500C40	4	2	0	026	209.63

Compression Coupling Nut Wrenches

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
CCW-005	1/2	1	50	299	14.65
CCW-007	3/4	1	50	299	14.91
CCW-010	1	1	50	299	15.54
CCW-012	1-1/4	1	50	299	17.57
CCW-015	1-1/2	1	50	299	18.96
CCW-020 ¹	2	1	50	299	21.19
CCW-030 ²	3	1	25	299	26.06

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	122.38

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 40.33	S1580-05F 40.33	S1580-05FSR 43.73	20	0	026
3/4	S1580-07 45.64	S1580-07F 45.64	S1580-07FSR 50.49	20	0	026
1	S1580-10 47.55	S1580-10F 47.55	S1580-10FSR 54.29	20	0	026
1-1/4	S1580-12 49.49	S1580-12F 49.49	S1580-12FSR 60.37	12	0	026
1-1/2	S1580-15 52.69	S1580-15F 52.69	S1580-15FSR 71.22	12	0	026
2	S1580-20 55.23	S1580-20F 55.23	S1580-20FSR 75.37	15	0	026
2-1/2	S1580-25 98.03	S1580-25F 98.03	S1580-25FSR 129.25	5	0	026
3	S1580-30 102.24	S1580-30F 102.24	S1580-30FSR 156.06	4	0	026
4	S1580-40 145.11	S1580-40F 145.11	S1580-40FSR 200.86	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 41.54	S1580C05F 41.54	S1580C05FSR 45.00	20	0	026
3/4	S1580C07 47.03	S1580C07F 47.03	S1580C07FSR 51.95	20	0	026
1	S1580C10 49.03	S1580C10F 49.03	S1580C10FSR 55.78	20	0	026
1-1/4	S1580C12 51.04	S1580C12F 51.04	S1580C12FSR 61.88	12	0	026
1-1/2	S1580C15 54.08	S1580C15F 54.08	S1580C15FSR 72.67	12	0	026
2	S1580C20 56.14	S1580C20F 56.14	S1580C20FSR 76.25	15	0	026



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 101.07	S1580C25F 101.07	S1580C25FSR 132.25	5	0	026
3	S1580C30 105.25	S1580C30F 105.25	S1580C30FSR 209.42	4	0	026
4	S1580C40 149.54	S1580C40F 149.54	S1580C40FSR 205.28	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 53.62	S1780-05F 53.62	S1780-05FSR 57.01	20	0	026
3/4	S1780-07 60.82	S1780-07F 60.82	S1780-07FSR 65.72	30	0	026
1	S1780-10 63.39	S1780-10F 63.39	S1780-10FSR 70.13	18	0	026
1-1/4	S1780-12 66.03	S1780-12F 66.03	S1780-12FSR 76.82	12	0	026
1-1/2	S1780-15 70.34	S1780-15F 70.34	S1780-15FSR 88.93	10	0	026
2	S1780-20 73.23	S1780-20F 73.23	S1780-20FSR 93.34	10	0	026
2-1/2	S1780-25 130.71	S1780-25F 130.71	S1780-25FSR 161.85	2	0	026
3	S1780-30 136.36	S1780-30F 136.36	S1780-30FSR 190.16	2	0	026
4	S1780-40 193.47	S1780-40F 193.47	S1780-40FSR 249.28	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 55.32	S1780C05F 55.32	S1780C05FSR 58.72	20	0	026
3/4	S1780C07 62.73	S1780C07F 62.73	S1780C07FSR 67.61	30	0	026
1	S1780C10 65.34	S1780C10F 65.34	S1780C10FSR 72.15	18	0	026
1-1/4	S1780C12 68.03	S1780C12F 68.03	S1780C12FSR 78.83	12	0	026
1-1/2	S1780C15 72.15	S1780C15F 72.15	S1780C15FSR 91.12	10	0	026
2	S1780C20 74.24	S1780C20F 74.24	S1780C20FSR 95.56	10	0	026
2-1/2	S1780C25 134.76	S1780C25F 134.76	S1780C25FSR 165.98	2	0	026
3	S1780C30 140.56	S1780C30F 140.56	S1780C30FSR 194.36	2	0	026
4	S1780C40 199.48	S1780C40F 199.48	S1780C40FSR 255.28	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	109.39

PVC Diaphragm Check Valves - Thread

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
6561-007	3/4	15	0	004	109.39

CPVC Diaphragm Check Valves - Socket

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
6562-007C	3/4	15	0	004	143.64

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	143.64

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
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Mipt x Fipt (Inlet x Outlet)

S1101-05	1/2	30	180	026	13.45
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Female Inlet x Female Outlet Option

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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Fipt x Fipt (Inlet x Outlet)

S1100-07	3/4	25	150	026	14.20
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PVC In-line Adjustable Spring Check Valves



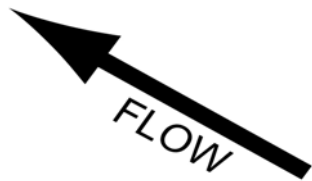
Fipt x Mipt



Mipt x Fipt



Fipt x Fipt



FLOW

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
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Fipt x Mipt (Inlet x Outlet)

S1102-05	1/2	30	180	026	13.45
S1102-07	3/4	25	150	026	13.75
S1102-10	1	25	150	026	22.82
S1102-05-07	1/2X3/4	25	150	026	19.62