



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 59.33	4539-005 66.86	1	18	604
3/4	4529-007 70.74	4539-007 74.66	1	18	604
1	4529-010 84.14	4539-010 93.78	1	18	604
1-1/4	4529-012 122.86	4539-012 137.89	1	12	604
1-1/2	4529-015 141.11	4539-015 156.61	1	8	604
2	4529-020 192.65	4539-020 214.22	1	8	604

Socket Ends

2-1/2	4522-025 467.07	4532-025 497.45	1	0	605
3	4522-030 594.40	4532-030 666.29	1	0	605
4	4522-040 876.14	4532-040 923.07	1	0	605
6	4522-060 1722.89	4532-060 1909.43	1	0	558
8	4522-080 2296.05	4532-080 2545.15	1	0	558

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

Threaded Ends

2-1/2	4521-025 467.07	4531-025 497.45	1	0	605
3	4521-030 598.22	4531-030 671.01	1	0	605
4	4521-040 876.14	4531-040 923.07	1	0	605

PVC Industrial (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Threaded Ends

6	4521-060 1722.89	4531-060 1909.43	1	0	558
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SR Threaded Ends

1/2	4521-005SR 60.54	4531-005SR 68.04	1	18	604
3/4	4521-007SR 73.62	4531-007SR 77.54	1	18	604
1	4521-010SR 86.98	4531-010SR 96.65	1	18	604
1-1/4	4521-012SR 128.57	4531-012SR 143.57	1	12	604
1-1/2	4521-015SR 150.31	4531-015SR 165.80	1	8	604
2	4521-020SR 202.60	4531-020SR 224.18	1	8	604
2-1/2	4521-025SR 492.52	4531-025SR 522.93	1	0	605
3	4521-030SR 610.67	4531-030SR 522.93	1	0	605
4	4521-040SR 905.84	4531-040SR 952.80	1	0	605
6	4521-060SR 1772.07	4531-060SR 1960.28	1	0	558

Spigot Ends

1/2	4527-005 59.33	4537-005 66.86	1	18	604
3/4	4527-007 70.74	4537-007 74.66	1	18	604
1	4527-010 84.14	4537-010 93.78	1	12	604
1-1/4	4527-012 122.86	4537-012 137.89	1	12	604
1-1/2	4527-015 141.11	4537-015 156.61	1	8	604
2	4527-020 192.65	4537-020 214.22	1	8	604
2-1/2	4527-025 467.07	4537-025 497.45	1	0	605
3	4527-030 528.87	4537-030 667.77	1	0	605
4	4527-040 876.14	4537-040 923.07	1	0	605
6	4527-060 1722.89	4537-060 1909.43	1	0	558

Flanged Ends

1/2	4523-005 83.64	4533-005 104.98	1	8	604
3/4	4523-007 101.17	4533-007 125.89	5	0	604
1	4523-010 119.91	4533-010 146.49	1	8	604
1-1/4	4523-012 148.29	4533-012 191.71	2	0	604
1-1/2	4523-015 204.63	4533-015 222.40	3	0	604
2	4523-020 288.81	4533-020 295.65	2	0	604

Valves Product
True Union 2000 Industrial Ball Check Valves



True Union 2000 Industrial Ball Check Valves

PVC Industrial (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Flanged Ends					
2-1/2	4523-025 598.29	4533-025 696.73	1	0	605
3	4523-030 836.91	4533-030 973.19	1	0	605
4	4523-040 1132.83	4533-040 1314.91	1	0	605
6	4523-060 2713.23	4533-060 3147.34	1	0	558
8	4523-080 3523.66	4533-080 4095.92	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 87.69	4539-005C 97.62	1	18	606
3/4	4529-007C 104.96	4539-007C 116.64	1	18	606
1	4529-010C 123.84	4539-010C 137.59	1	18	606
1-1/4	4529-012C 213.29	4539-012C 236.78	1	12	606
1-1/2	4529-015C 213.29	4539-015C 236.78	1	8	606
2	4529-020C 284.89	4539-020C 317.43	1	8	606

Socket Ends

2-1/2	4522-025C 596.99	4532-025C 663.29	1	0	607
3	4522-030C 793.13	4532-030C 863.85	1	0	607
4	4522-040C 1310.04	4532-040C 1456.52	1	0	607
6	4522-060C 2704.73	4532-060C 3004.87	1	0	559
8	4522-080C 3182.05	4532-080C 4005.38	1	0	559

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

Threaded Ends

2-1/2	4521-025C 596.99	4531-025C 663.29	1	0	607
3	4521-030C 790.77	4531-030C 886.08	1	0	607
4	4521-040C 1310.04	4531-040C 1456.52	1	0	607
6	4521-060C 2704.73	4531-060C 3004.87	1	0	559

SR Threaded Ends

1/2	4521-005CSR 88.86	4531-005CSR 98.81	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 107.83	4531-007CSR 119.48	1	18	606
1	4521-010CSR 126.68	4531-010CSR 140.45	1	18	606
1-1/4	4521-012CSR 218.98	4531-012CSR 245.98	1	12	606
1-1/2	4521-015CSR 218.98	4531-015CSR 245.98	1	8	606
2	4521-020CSR 294.85	4531-020CSR 327.39	1	8	606
2-1/2	4521-025CSR 622.78	4531-025CSR 688.76	1	0	607
3	4521-030CSR 622.78	4531-030CSR 928.15	1	0	607
4	4521-040CSR 1339.75	4531-040CSR 1486.25	1	0	607
6	4521-060CSR 2777.66	4531-060CSR 3077.81	1	0	559

Spigot Ends

1/2	4527-005C 87.69	4537-005C 97.62	1	18	606
3/4	4527-007C 104.96	4537-007C 116.64	1	18	606
1	4527-010C 123.84	4537-010C 137.59	1	12	606
1-1/4	4527-012C 213.29	4537-012C 236.78	1	12	606
1-1/2	4527-015C 242.20	4537-015C 236.78	1	8	606
2	4527-020C 284.89	4537-020C 317.43	1	8	606
2-1/2	4527-025C 596.99	4537-025C 663.29	1	0	607
3	4527-030C 775.79	4537-030C 858.91	1	0	607
4	4527-040C 1310.04	4537-040C 1456.52	1	0	607
6	4527-060C 2704.73	4537-060C 3004.87	1	0	559

Flanged Ends

1/2	4523-005C 108.88	4533-005C 136.06	1	8	606
3/4	4523-007C 129.91	4533-007C 164.44	1	8	606
1	4523-010C 155.12	4533-010C 191.23	1	8	606
1-1/4	4523-012C 261.63	4533-012C 324.41	1	8	606
1-1/2	4523-015C 279.52	4533-015C 349.27	1	4	606
2	4523-020C 494.23	4533-020C 529.86	1	0	606
2-1/2	4523-025C 895.43	4533-025C 968.75	1	0	607
3	4523-030C 999.83	4533-030C 1096.88	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 1654.18	4533-040C 1776.28	1	0	607
6	4523-060C 4410.68	4533-060C 4585.35	1	0	559
8	4523-080C 5077.11	4533-080C 5524.49	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 64.92	2239-005 73.15	1	18	220
3/4	2229-007 77.40	2239-007 81.71	1	12	220
1	2229-010 92.04	2239-010 102.61	1	8	220
1-1/4	2229-012 134.43	2239-012 150.86	1	8	220
1-1/2	2229-015 154.39	2239-015 171.35	1	8	220
2	2229-020 210.78	2239-020 234.38	1	4	220

Socket Ends

2-1/2	2222-025 511.01	2232-025 544.25	1	0	220
3	2222-030 617.33	2232-030 717.35	1	0	220
4	2222-040 958.58	2232-040 1009.96	1	0	220

Socket Venturied Ends

6 VENTURIED	2222-060 1295.03	2232-060 1466.91	1	0	221
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Threaded Ends

2-1/2	2221-025 511.01	2231-025 544.25	1	0	220
3	2221-030 617.33	2231-030 717.35	1	0	220
4	2221-040 958.58	2231-040 1009.96	1	0	220

Flanged Ends

1/2	2223-005 91.53	2233-005 114.88	6	0	220
3/4	2223-007 110.68	2233-007 137.74	5	0	220
1	2223-010 131.19	2233-010 160.28	5	0	220
1-1/4	2223-012 162.26	2233-012 209.75	2	0	220
1-1/2	2223-015 223.87	2233-015 243.36	3	0	220
2	2223-020 315.99	2233-020 323.49	2	0	220
2-1/2	2223-025 654.60	2233-025 762.32	1	0	220
3	2223-030 915.66	2233-030 1064.78	1	0	220
4	2223-040 1239.45	2233-040 1438.66	1	0	220

Flanged Venturied Ends

6 VENTURIED	2223-060 1551.17	2233-060 1730.69	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 95.95	2239-005C 106.81	1	18	222
3/4	2229-007C 114.85	2239-007C 127.62	1	12	222
1	2229-010C 135.52	2239-010C 150.55	1	8	222
1-1/4	2229-012C 233.36	2239-012C 259.07	1	8	222
1-1/2	2229-015C 282.19	2239-015C 298.28	1	8	222
2	2229-020C 312.49	2239-020C 347.32	1	4	222

Socket Ends

2-1/2	2222-025C 653.18	2232-025C 725.73	1	0	222
3	2222-030C 1063.92	2232-030C 1164.27	1	0	222
4	2222-040C 1433.34	2232-040C 1593.61	1	0	222

Socket Venturied Ends

6 VENTURIED	2222-060C 1849.01	2232-060C 2071.65	1	0	223
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Threaded Ends

2-1/2	2221-025C 653.18	2231-025C 725.73	1	0	222
3	2221-030C 1063.92	2231-030C 1164.27	1	0	222
4	2221-040C 1433.34	2231-040C 1593.61	1	0	222

Flanged Ends

1/2	2223-005C 119.14	2233-005C 148.86	6	0	222
3/4	2223-007C 142.13	2233-007C 179.94	5	0	222
1	2223-010C 169.71	2233-010C 209.22	5	0	222
1-1/4	2223-012C 286.26	2233-012C 354.94	2	0	222
1-1/2	2223-015C 305.82	2233-015C 382.14	3	0	222
2	2223-020C 540.73	2233-020C 579.74	2	0	222
2-1/2	2223-025C 860.41	2233-025C 979.71	1	0	222
3	2223-030C 1093.95	2233-030C 1200.13	1	0	222
4	2223-040C 1809.86	2233-040C 1943.46	1	0	222

Flanged Venturied Ends

CPVC (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Flanged Venturied Ends					
6 VENTURIED	2223-060C 2181.84	2233-060C 2361.71	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 47.91	FVS-005C 66.16	10	60	299
3/4	FVS-007 56.88	FVS-007C 71.37	10	60	299
1	FVS-010 69.19	FVS-010C 81.02	10	40	299
1-1/4	FVS-012 100.71	FVS-012C 125.13	5	30	299
1-1/2	FVS-015 106.08	FVS-015C 129.93	5	0	299
2	FVS-020 119.73	FVS-020C 143.43	5	0	299
2-1/2	FVS-025 164.68	FVS-025C 208.98	5	0	299
3	FVS-030 169.40	FVS-030C 232.72	5	0	299
4	FVS-040 200.43	FVS-040C 332.61	5	0	299
6	FVS-060 271.42	FVS-060C 475.29	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	2.95
CFVS7-007	3/4	25	150	299	3.36
CFVS7-010	1	25	150	299	3.98
CFVS7-012	1-1/4	50	0	299	5.06
CFVS7-015	1-1/2	25	0	299	8.48
CFVS7-020	2	25	0	299	9.65



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	2.95
CFVS1-007	3/4	25	150	299	3.36
CFVS1-010	1	20	120	299	3.98
CFVS1-012	1-1/4	50	0	299	5.06
CFVS1-015	1-1/2	25	0	299	8.48
CFVS1-020	2	25	0	299	9.65

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	3.53
CFVS1-007P	3/4	25	150	299	4.24
CFVS1-010P	1	20	120	299	4.86
CFVS1-012P	1-1/4	50	0	299	5.59
CFVS1-015P	1-1/2	25	0	299	9.52
CFVS1-020P	2	25	0	299	10.67

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 93.27	1632-005 103.44	1	18	627
3/4	1622-007 100.05	1632-007 111.94	1	18	627
1	1622-010 110.23	1632-010 122.08	1	12	627
1-1/4	1622-012 172.97	1632-012 191.63	1	8	627
1-1/2	1622-015 188.22	1632-015 208.58	1	8	627

PVC - Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	1622-020 234.02	1632-020 259.46	1	4	627
3	1622-030 462.95	1632-030 513.81	1	0	627
4	1622-040 807.19	1632-040 897.07	1	0	627

PVC - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005SR 96.66	1631-005SR 106.85	1	18	627
3/4	1621-007SR 105.13	1631-007SR 117.01	1	12	627
1	1621-010SR 117.01	1631-010SR 128.87	1	8	627
1-1/4	1621-012SR 183.14	1631-012SR 201.80	1	8	627
1-1/2	1621-015SR 203.49	1631-015SR 223.84	1	4	627
2	1621-020SR 250.97	1631-020SR 276.41	1	0	627
3	1621-030SR 508.75	1631-030SR 559.60	1	0	627
4	1621-040SR 854.67	1631-040SR 944.54	1	0	627

PVC - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005 122.08	1633-005 135.67	1	8	627
3/4	1623-007 133.96	1633-007 149.23	1	4	627
1	1623-010 156.82	1633-010 179.75	1	8	627
1-1/4	1623-012 249.27	1633-012 276.41	1	4	627
1-1/2	1623-015 264.56	1633-015 293.36	1	4	627
2	1623-020 354.41	1633-020 393.40	1	0	627
3	1623-030 693.56	1633-030 769.87	1	0	627
4	1623-040 1107.33	1633-040 1229.43	1	0	627

PVC Clear - Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1622-005CL 93.27	1632-005CL 103.44	1	18	628
3/4	1622-007CL 100.05	1632-007CL 111.94	1	18	628
1	1622-010CL 110.23	1632-010CL 122.08	1	12	628
1-1/4	1622-012CL 172.97	1632-012CL 191.63	1	8	628
1-1/2	1622-015CL 188.22	1632-015CL 208.58	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 234.02	1632-020CL 259.46	1	4	628
3	1622-030CL 462.95	1632-030CL 513.81	1	0	628
4	1622-040CL 807.19	1632-040CL 897.07	1	0	628

PVC Clear - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005CLSR 96.66	1631-005CLSR 106.85	1	18	628
3/4	1621-007CLSR 105.13	1631-007CLSR 117.01	1	12	628
1	1621-010CLSR 117.01	1631-010CLSR 128.87	1	8	628
1-1/4	1621-012CLSR 183.14	1631-012CLSR 201.80	1	8	628
1-1/2	1621-015CLSR 203.49	1631-015CLSR 223.84	1	4	628
2	1621-020CLSR 250.97	1631-020CLSR 276.41	1	0	628
3	1621-030CLSR 508.75	1631-030CLSR 559.60	1	0	628
4	1621-040CLSR 854.67	1631-040CLSR 944.54	1	0	628

PVC Clear - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005CL 122.08	1633-005CL 135.67	1	8	628
3/4	1623-007CL 133.96	1633-007CL 149.23	1	8	628
1	1623-010CL 161.09	1633-010CL 179.75	1	8	628
1-1/4	1623-012CL 249.27	1633-012CL 276.41	1	4	628
1-1/2	1623-015CL 264.56	1633-015CL 293.36	1	4	628
2	1623-020CL 354.41	1633-020CL 393.40	1	0	628
3	1623-030CL 693.56	1633-030CL 769.87	1	0	628
4	1623-040CL 1107.33	1633-040CL 1229.43	1	0	628

CPVC - Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1622-005C 133.96	1632-005C 147.53	1	18	629
3/4	1622-007C 144.15	1632-007C 159.40	1	18	629
1	1622-010C 157.71	1632-010C 174.66	1	12	629
1-1/4	1622-012C 247.58	1632-012C 274.72	1	8	629

CPVC - Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/2	1622-015C 269.63	1632-015C 298.45	1	8	629
2	1622-020C 334.06	1632-020C 371.36	1	4	629
3	1622-030C 956.05	1632-030C 1069.76	1	0	629
4	1622-040C 1153.09	1632-040C 1281.98	1	0	629

CPVC - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005CSR 137.35	1631-005CSR 152.61	1	18	629
3/4	1621-007CSR 149.23	1631-007CSR 166.19	1	12	629
1	1621-010CSR 166.19	1631-010CSR 183.14	1	8	629
1-1/4	1621-012CSR 261.15	1631-012CSR 286.58	1	8	629
1-1/2	1621-015CSR 291.66	1631-015CSR 320.51	1	4	629
2	1621-020CSR 357.80	1631-020CSR 395.13	1	0	629
3	1621-030CSR 727.48	1631-030CSR 800.40	1	0	629
4	1621-040CSR 1219.24	1631-040CSR 1348.14	1	0	629

CPVC - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005C 174.66	1633-005C 179.79	1	8	629
3/4	1623-007C 191.63	1633-007C 213.66	1	8	629
1	1623-010C 230.64	1633-010C 256.75	1	8	629
1-1/4	1623-012C 356.12	1633-012C 395.13	1	4	629
1-1/2	1623-015C 376.44	1633-015C 418.85	1	4	629
2	1623-020C 505.33	1633-020C 561.28	1	0	629
3	1623-030C 990.33	1633-030C 1100.55	1	0	629
4	1623-040C 1580.44	1633-040C 1756.81	1	0	629

PVC - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005 101.75	163A-005 111.94	1	12	627
3/4	162A-007 108.52	163A-007 122.08	1	8	627
1	162A-010 120.40	163A-010 132.25	1	8	627
1-1/4	162A-012 188.22	163A-012 208.58	1	4	627

Made in the U.S.A.

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



Valves Product 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-015 205.19	163A-015 227.24	1	0	627
2	162A-020 254.36	163A-020 281.48	2	0	627
3	162A-030 503.63	163A-030 549.43	1	0	627
4	162A-040 878.41	163A-040 975.07	1	0	627

PVC - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005 101.75	163B-005 111.94	1	12	627
3/4	162B-007 108.52	163B-007 122.08	1	8	627
1	162B-010 120.40	163B-010 132.25	1	8	627
1-1/4	162B-012 186.55	163B-012 208.58	1	4	627
1-1/2	162B-015 205.19	163B-015 227.24	1	0	627
2	162B-020 254.36	163B-020 281.48	2	0	627
3	162B-030 503.63	163B-030 549.43	1	0	627
4	162B-040 878.41	163B-040 975.07	1	0	627

PVC - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005SR 105.13	163B-005SR 115.32	1	12	627
3/4	162B-007SR 113.61	163B-007SR 125.49	1	8	627
1	162B-010SR 125.49	163B-010SR 139.06	1	8	627
1-1/4	162B-012SR 198.40	163B-012SR 218.74	1	4	627
1-1/2	162B-015SR 222.14	163B-015SR 244.19	1	0	627
2	162B-020SR 273.02	163B-020SR 301.83	1	0	627
3	162B-030SR 552.81	163B-030SR 608.79	1	0	627
4	162B-040SR 927.58	163B-040SR 1025.93	1	0	627

PVC Clear - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005CL 101.75	163A-005CL 111.94	1	12	628
3/4	162A-007CL 108.52	163A-007CL 122.08	1	8	628
1	162A-010CL 120.40	163A-010CL 132.25	1	8	628

PVC Clear - True Union Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/4	162A-012CL 188.22	163A-012CL 208.58	1	4	628
1-1/2	162A-015CL 205.19	163A-015CL 227.24	1	0	628
2	162A-020CL 254.36	163A-020CL 281.48	2	0	628
3	162A-030CL 503.63	163A-030CL 549.43	1	0	628
4	162A-040CL 878.41	163A-040CL 975.07	1	0	628

PVC Clear - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CL 101.75	163B-005CL 111.94	1	12	628
3/4	162B-007CL 108.52	163B-007CL 122.08	1	8	628
1	162B-010CL 120.40	163B-010CL 132.25	1	8	628
1-1/4	162B-012CL 188.22	163B-012CL 208.58	1	4	628
1-1/2	162B-015CL 205.19	163B-015CL 227.24	1	0	628
2	162B-020CL 254.36	163B-020CL 281.48	2	0	628
3	162B-030CL 503.63	163B-030CL 549.43	1	0	628
4	162B-040CL 878.41	163B-040CL 975.07	1	0	628

PVC Clear - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CLSR 105.13	163B-005CLSR 115.32	1	12	628
3/4	162B-007CLSR 113.61	163B-007CLSR 125.49	1	8	628
1	162B-010CLSR 125.49	163B-010CLSR 139.06	1	8	628
1-1/4	162B-012CLSR 198.40	163B-012CLSR 218.74	1	4	628
1-1/2	162B-015CLSR 222.14	163B-015CLSR 244.19	1	0	628
2	162B-020CLSR 273.02	163B-020CLSR 301.83	1	0	628
3	162B-030CLSR 552.81	163B-030CLSR 608.79	1	0	628
4	162B-040CLSR 927.58	163B-040CLSR 1025.93	1	0	628

CPVC - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005C 145.84	163A-005C 161.09	1	12	629
3/4	162A-007C 156.01	163A-007C 174.66	1	8	629
1	162A-010C 171.27	163A-010C 189.93	1	8	629

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



Y-Check Valves

CPVC - True Union Socket Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/4	162A-012C 267.94	163A-012C 298.45	1	4	629
1-1/2	162A-015C 291.66	163A-015C 323.91	1	0	629
2	162A-020C 362.89	163A-020C 403.58	2	0	629
3	162A-030C 719.00	163A-030C 785.12	1	0	629
4	162A-040C 1253.17	163A-040C 1392.22	1	0	629

CPVC - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005C 145.84	163B-005C 161.09	1	12	629
3/4	162B-007C 156.01	163B-007C 174.66	1	8	629
1	162B-010C 171.27	163B-010C 189.93	1	8	629
1-1/4	162B-012C 267.94	163B-012C 298.45	1	4	629
1-1/2	162B-015C 291.66	163B-015C 323.91	1	0	629
2	162B-020C 362.89	163B-020C 403.58	2	0	629
3	162B-030C 719.00	163B-030C 785.12	1	0	629
4	162B-040C 1253.17	163B-040C 1392.22	1	0	629

CPVC - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CSR 149.23	163B-005CSR 164.48	1	12	629
3/4	162B-007CSR 162.80	163B-007CSR 179.75	1	8	629
1	162B-010CSR 179.75	163B-010CSR 198.40	1	8	629
1-1/4	162B-012CSR 283.18	163B-012CSR 312.02	1	4	629
1-1/2	162B-015CSR 317.11	163B-015CSR 347.61	1	0	629
2	162B-020CSR 390.02	163B-020CSR 429.02	1	0	629
3	162B-030CSR 790.23	163B-030CSR 868.24	1	0	629
4	162B-040CSR 1326.09	163B-040CSR 1465.15	1	0	629

Y-Check Valve Repair Kits

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

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

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

Size	Standard EPDM O-ring	Standard FKM O-ring	Std Pk	Mstr Pk	Prod Code
1/2	YC-ERK-005 3.67	YC-VRK-005 10.86	1	10	299
3/4	YC-ERK-007 4.21	YC-VRK-007 11.72	1	10	299
1	YC-ERK-010 4.29	YC-VRK-010 15.91	1	10	299
1-1/4	YC-ERK-012 4.49	YC-VRK-012 29.59	1	10	299
1-1/2	YC-ERK-015 7.81	YC-VRK-015 32.31	1	10	299
2	YC-ERK-020 10.51	YC-VRK-020 38.67	1	10	299
3	YC-ERK-030 18.13	YC-VRK-030 101.44	1	10	299
4	YC-ERK-040 23.46	YC-VRK-040 146.04	1	10	299

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

Size	True Union w/EPDM O-ring	True Union w/FKM O-ring	Std Pk	Mstr Pk	Prod Code
1/2	YC-UERK-005 4.29	YC-UVRK-005 13.03	1	10	299
3/4	YC-UERK-007 4.98	YC-UVRK-007 14.57	1	10	299
1	YC-UERK-010 5.23	YC-UVRK-010 21.08	1	10	299
1-1/4	YC-UERK-012 6.53	YC-UVRK-012 37.00	1	10	299
1-1/2	YC-UERK-015 10.96	YC-UVRK-015 45.99	1	10	299
2	YC-UERK-020 14.51	YC-UVRK-020 55.78	1	10	299
3	YC-UERK-030 31.51	YC-UVRK-030 128.71	1	10	299
4	YC-UERK-040 34.91	YC-UVRK-040 180.18	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	5420-020 426.69	5430-020 470.17	1	18	289
2-1/2	5420-025 588.02	5430-025 648.03	1	0	289

PVC (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Wafer

3	5420-030 752.17	5430-030 828.86	1	8	289
4	5420-040 1022.93	5430-040 1127.27	1	4	289
6	5420-060 1550.81	5430-060 1708.99	1	0	289
8	5420-080 2631.17	5430-080 2899.54	1	0	289
10	5420-100 4838.02	5430-100 5370.18	1	0	289
12	5420-120 6821.54	5430-120 7571.93	1	0	289
14	5420-140 7668.54	---	1	0	289
16	5420-160 10532.19	---	1	0	289
18	5420-180 16913.96	---	1	0	289
20	5420-200 21142.44	---	1	0	289
24	5420-240 30201.38	---	1	0	289

Flanged Ends

2	5423-020 544.26	5433-020 585.31	1	8	289
2-1/2	5423-025 708.39	5433-025 771.32	1	0	289
3	5423-030 1017.47	5433-030 1118.66	1	0	289
4	5423-040 1321.06	5433-040 1474.20	1	0	289
6	5423-060 2141.59	5433-060 2450.66	1	0	289
8	5423-080 3068.78	5433-080 3621.27	1	0	289
10	5423-100 5650.74	5433-100 6443.91	1	0	289
12	5423-120 8005.65	5433-120 8516.18	1	0	289
14	5423-140 11287.97	5433-140 12007.75	4	0	289
16	5423-160 15887.83	5433-160 17153.91	1	0	289
18	5423-180 20298.54	5433-180 21712.62	1	0	289
20	5423-200 26679.11	5433-200 28569.23	1	0	289
24	5423-240 34944.57	5433-240 37589.21	1	0	289

Spigot (Plain End)

2	5427-020 232.48	5437-020 273.51	1	12	289
2-1/2	5427-025 320.01	5437-025 382.94	1	12	289
3	5427-030 429.41	5437-030 530.60	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	5427-040 563.43	5437-040 716.61	1	4	289
6	5427-060 1197.96	5437-060 1507.03	1	0	289
8	5427-080 1786.04	5437-080 2338.49	1	0	289
10	5427-100 4367.95	5437-100 5161.12	1	0	289
12	5427-120 5916.02	5437-120 6935.28	1	0	289
14	5427-140 7895.46	5437-140 9072.34	1	0	289
16	5427-160 11878.80	5437-160 13927.08	1	0	289
18	5427-180 14848.51	5437-180 17407.28	1	0	289
20	5427-200 18560.14	5437-200 21757.71	1	0	289
24	5427-240 26514.44	5437-240 31081.36	1	0	289

Threaded Ends

2	5421A-020 227.02	5431A-020 268.04	1	4	289
2-1/2	5421A-025 309.07	5431A-025 371.96	1	8	289
3	5421A-030 421.22	5431A-030 522.39	1	8	289
4	5421A-040 552.49	5431A-040 705.65	1	4	289
6	5421A-060 1176.09	5431A-060 1485.15	1	0	289
8	5421A-080 1766.91	5431A-080 2319.36	1	0	289
10	5421A-100 4359.01	5431A-100 5153.47	1	0	289
12	5421A-120 5908.73	5431A-120 6928.00	1	0	289

Grooved Ends

2	542G-020 257.09	543G-020 298.12	1	12	289
2-1/2	542G-025 336.42	543G-025 399.32	1	8	289
3	542G-030 443.08	543G-030 544.26	1	8	289
4	542G-040 596.26	543G-040 749.42	1	4	289
6	542G-060 1247.20	543G-060 1556.28	1	0	289
8	542G-080 1840.71	543G-080 2393.22	1	0	289
10	542G-100 4455.46	543G-100 5248.64	1	0	289
12	542G-120 6033.62	543G-120 7053.84	1	0	289

CPVC

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Wafer					
2	5420-020C 661.34	5430-020C 734.09	1	18	290
2-1/2	5420-025C 911.45	5430-025C 965.95	1	0	290
3	5420-030C 1165.84	5430-030C 1294.08	1	0	290
4	5420-040C 1585.57	5430-040C 1759.97	1	0	290
6	5420-060C 2403.75	5430-060C 2668.17	1	0	290
8	5420-080C 4078.31	5430-080C 4526.92	1	0	290
10	5420-100C 8770.88	5430-100C 9647.98	1	0	290
12	5420-120C 15446.71	5430-120C 16991.38	1	0	290

Flanged Ends

2	5423-020C 842.40	5433-020C 883.43	1	8	290
2-1/2	5423-025C 1348.40	5433-025C 1411.31	1	0	290
3	5423-030C 1441.39	5433-030C 1542.59	1	0	290
4	5423-040C 1687.55	5433-040C 1840.71	1	0	290
6	5423-060C 2975.78	5433-060C 3284.86	1	0	290
8	5423-080C 4767.28	5433-080C 5319.79	1	0	290
10	5423-100C 9009.43	5433-100C 9802.60	1	0	290
12	5423-120C 16227.35	5433-120C 17247.58	1	0	290
14	5423-140C 23181.53	5433-140C 24639.07	1	0	290
16	5423-160C 32194.79	5433-160C 34220.91	1	0	290
18	5423-180C 40243.46	5433-180C 42776.16	1	0	290
20	5423-200C 57490.46	5433-200C 61107.56	1	0	290
24	5423-240C 71861.47	5433-240C 76384.18	1	0	290

Spigot (Plain End)

2	5427-020C 443.08	5437-020C 484.12	1	12	290
2-1/2	5427-025C 599.00	5437-025C 661.88	1	12	290
3	5427-030C 609.94	5437-030C 710.22	1	8	290
4	5427-040C 765.82	5437-040C 919.00	1	4	290
6	5427-060C 1638.34	5437-060C 1947.41	1	0	290
8	5427-080C 2458.86	5437-080C 3011.35	1	0	290



Valves Product

Butterfly Check Valves & Butterfly Check Valve Repair Kits

Butterfly Check Valves

CPVC (continued)

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

10	5427-100C 6145.76	5437-100C 6938.98	1	0	290
12	5427-120C 10084.33	5437-120C 11103.60	1	0	290
14	5427-140C 10547.65	5437-140C 22030.16	1	0	290
16	5427-160C 13948.03	5437-160C 14478.96	1	0	290
18	5427-180C 21210.34	5437-180C 24344.01	1	0	290
20	5427-200C 26513.97	5437-200C 30427.01	1	0	290
24	5427-240C 27462.12	5437-240C 76384.18	1	0	290

Threaded Ends

2	5421A-020C 440.38	5431A-020C 508.75	1	12	290
2-1/2	5421A-025C 596.62	5431A-025C 660.07	1	8	290
3	5421A-030C 606.28	5431A-030C 707.46	1	8	290
4	5421A-040C 762.18	5431A-040C 915.35	1	4	290
6	5421A-060C 1625.55	5431A-060C 1933.71	1	0	290
8	5421A-080C 2447.54	5431A-080C 3000.04	1	0	290
10	5421A-100C 6136.08	5431A-100C 6929.29	1	0	290
12	5421A-120C 10068.25	5431A-120C 11088.46	1	0	290

Grooved Ends

2	542G-020C 467.73	543G-020C 541.77	1	12	290
2-1/2	542G-025C 620.86	543G-025C 683.79	1	8	290
3	542G-030C 630.87	543G-030C 732.08	1	8	290
4	542G-040C 809.59	543G-040C 963.46	1	4	290
6	542G-060C 1695.77	543G-060C 2004.84	1	0	290
8	542G-080C 2513.75	543G-080C 3066.24	1	0	290
10	542G-100C 6238.77	543G-100C 7031.94	1	0	290
12	542G-120C 10398.86	543G-120C 11419.03	1	0	290

Butterfly Check Valve Repair Kits

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

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

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

PVC Butterfly Check Valve Repair Kits

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	BFC-ERK-020 164.18	BFC-VRK-020 193.97	1	10	299
2-1/2	BFC-ERK-025 223.58	BFC-VRK-025 269.14	1	0	299
3	BFC-ERK-030 304.55	BFC-VRK-030 377.43	1	10	299
4	BFC-ERK-040 399.67	BFC-VRK-040 510.26	1	10	299
6	BFC-ERK-060 850.73	BFC-VRK-060 1074.32	1	10	299
8	BFC-ERK-080 1278.31	BFC-VRK-080 1677.62	1	10	299
10	BFC-ERK-100 3153.06	BFC-VRK-100 3727.64	1	0	299
12	BFC-ERK-120 4274.01	BFC-VRK-120 5011.19	1	0	299

CPVC Butterfly Check Valve Repair Kits

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	BFC-ERK-020C 318.55	BFC-VRK-020C 348.18	1	10	299
2-1/2	BFC-ERK-025C 431.60	BFC-VRK-025C 477.52	1	10	299
3	BFC-ERK-030C 438.78	BFC-VRK-030C 511.66	1	10	299
4	BFC-ERK-040C 551.27	BFC-VRK-040C 662.19	1	10	299
6	BFC-ERK-060C 1175.79	BFC-VRK-060C 1398.67	1	10	299
8	BFC-ERK-080C 1770.32	BFC-VRK-080C 2170.04	1	10	299
10	BFC-ERK-100C 4438.38	BFC-VRK-100C 5012.24	1	0	299
12	BFC-ERK-120C 7282.86	BFC-VRK-120C 8020.75	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	4423-007 515.65	4433-007 545.44	1	12	108
1	4423-010 594.24	4433-010 647.61	1	4	108
1-1/4	4423-012 743.33	4433-012 786.48	1	0	108
1-1/2	4423-015 814.88	4433-015 910.39	1	0	108
2	4423-020 938.14	4433-020 1042.40	1	0	108
2-1/2	4423-025 1570.05	4433-025 1852.19	1	0	110
3	4423-030 1755.87	4433-030 2300.98	1	0	110
4	4423-040 2238.01	4433-040 2627.62	1	0	110
6	4423-060 4253.32	4433-060 4992.27	1	0	110

Industrial Swing Check Valves (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PVC					
8	4423-080 8149.62	4433-080 9525.83	1	0	110
CPVC					
3/4	4423-007C 814.75	4433-007C 905.40	1	12	109
1	4423-010C 939.51	4433-010C 1044.66	1	4	109
1-1/4	4423-012C 1175.24	4433-012C 1305.22	1	0	109
1-1/2	4423-015C 1212.51	4433-015C 1647.91	1	0	109
2	4423-020C 1563.57	4433-020C 1737.28	1	0	109
2-1/2	4423-025C 2591.14	4433-025C 3074.83	1	0	111
3	4423-030C 3236.69	4433-030C 3482.65	1	0	111
4	4423-040C 3713.98	4433-040C 4380.00	1	0	111
6	4423-060C 7600.69	4433-060C 8324.31	1	0	111
8	4423-080C 13562.26	4433-080C 15859.74	1	0	111
PP					
3/4	4423-007P 592.94	4433-007P 658.80	1	12	113
1	4423-010P 709.34	4433-010P 773.09	1	4	113
1-1/4	4423-012P 850.16	4433-012P 944.54	1	0	113
1-1/2	4423-015P 1055.55	4433-015P 1148.59	1	0	113
2	4423-020P 1128.58	4433-020P 1268.06	1	0	113
2-1/2	4423-025P 1879.08	4433-025P 2090.19	1	0	112
3	4423-030P 1975.51	4433-030P 2362.27	1	0	112
4	4423-040P 2687.12	4433-040P 2982.68	1	0	112
6	4423-060P 5090.18	4433-060P 5660.22	1	0	112
8	4423-080P 9743.35	4433-080P 10707.02	1	0	112
Swing Check Valve With Arrow Indicator					
Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PVC					
3/4	44231-007 524.13	44331-007 553.94	1	12	108
1	44231-010 602.71	44331-010 674.76	1	4	108
1-1/4	44231-012 769.71	44331-012 845.83	1	0	108
1-1/2	44231-015 892.65	44331-015 975.26	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-020 966.52	4433I-020 1055.01	1	0	108
2-1/2	4423I-025 1579.00	4433I-025 1756.60	1	0	110
3	4423I-030 1838.89	4433I-030 1756.60	1	0	110
4	4423I-040 2247.09	4433I-040 2670.49	1	0	110
6	4423I-060 4262.20	4433I-060 5033.39	1	0	110
8	4423I-080 8279.16	4433I-080 9574.51	1	0	110

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
CPVC					
3/4	4423I-007C 823.75	4433I-007C 913.84	1	12	109
1	4423I-010C 947.99	4433I-010C 1054.83	1	4	109
1-1/4	4423I-012C 1169.56	4433I-012C 1317.09	1	0	109
1-1/2	4423I-015C 1345.20	4433I-015C 1668.12	1	0	109
2	4423I-020C 1575.79	4433I-020C 1782.69	1	0	109
2-1/2	4423I-025C 2599.95	4433I-025C 3118.33	1	0	111
3	4423I-030C 2790.28	4433I-030C 3628.15	1	0	111
4	4423I-040C 3738.71	4433I-040C 4405.88	1	0	111
6	4423I-060C 7713.56	4433I-060C 8333.32	1	0	111
8	4423I-080C 13576.83	4433I-080C 15909.88	1	0	111

Industrial Swing Check Valve With Arrow Indicator

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
3/4	4423I-007P 601.41	4433I-007P 667.28	1	12	113
1	4423I-010P 721.20	4433I-010P 832.44	1	4	113
1-1/4	4423I-012P 926.46	4433I-012P 1028.41	1	0	113
1-1/2	4423I-015P 1190.97	4433I-015P 1028.41	1	0	113
2	4423I-020P 1159.73	4433I-020P 1315.11	1	0	113
2-1/2	4423I-025P 1890.01	4433I-025P 2118.08	1	0	112
3	4423I-030P 2355.51	4433I-030P 2458.55	1	0	112
4	4423I-040P 2698.05	4433I-040P 2993.66	1	0	112
6	4423I-060P 5200.04	4433I-060P 5707.93	1	0	112

Industrial Swing Check Valve With Arrow Indicator (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
8	4423I-080P 9815.92	4433I-080P 10815.24	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-007 815.64	4433CB-007 872.93	1	8	108
1	4423CB-010 912.41	4433CB-010 977.33	1	4	108
1-1/4	4423CB-012 1102.09	4433CB-012 1145.65	1	0	108
1-1/2	4423CB-015 1182.45	4433CB-015 1381.03	1	0	108
2	4423CB-020 1304.61	4433CB-020 1579.13	1	0	108
2-1/2	4423CB-025 1963.14	4433CB-025 2244.61	1	0	110
3	4423CB-030 2210.82	4433CB-030 2550.83	1	0	110
4	4423CB-040 2649.05	4433CB-040 3038.64	1	0	110
6	4423CB-060 4723.23	4433CB-060 4723.23	1	0	110
8	4423CB-080 9469.80	4433CB-080 9986.75	1	0	110

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
CPVC					
3/4	4423CB-007C 1264.56	4433CB-007C 1378.53	1	12	109
1	4423CB-010C 1372.07	4433CB-010C 1491.25	1	4	109
1-1/4	4423CB-012C 1169.56	4433CB-012C 1606.49	1	0	109
1-1/2	4423CB-015C 1606.49	4433CB-015C 1857.76	1	0	109
2	4423CB-020C 2088.05	4433CB-020C 2261.81	1	0	109
2-1/2	4423CB-025C 3151.77	4433CB-025C 3635.56	1	0	111
3	4423CB-030C 3412.02	4433CB-030C 4520.29	1	0	111
4	4423CB-040C 4221.85	4433CB-040C 4967.18	1	0	111
6	4423CB-060C 8272.01	4433CB-060C 8995.58	1	0	111
8	4423CB-080C 14245.26	4433CB-080C 16542.59	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 758.96	4433CB-007P 843.27	1	12	113
1	4423CB-010P 907.93	4433CB-010P 989.54	1	4	113
1-1/4	4423CB-012P 926.46	4433CB-012P 1425.64	1	0	113
1-1/2	4423CB-015P 1309.55	4433CB-015P 1758.41	1	0	113
2	4423CB-020P 1410.73	4433CB-020P 1585.07	1	0	113
2-1/2	4423CB-025P 2177.94	4433CB-025P 2675.44	1	0	112
3	4423CB-030P 2649.92	4433CB-030P 3315.45	1	0	112
4	4423CB-040P 3034.55	4433CB-040P 3333.68	1	0	112
6	4423CB-060P 5645.85	4433CB-060P 7245.07	1	0	112
8	4423CB-080P 10307.02	4433CB-080P 11270.72	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 27.67	SK-VRK-007 33.74	1	10	299
1	SK-ERK-010 36.15	SK-VRK-010 44.08	1	10	299
1-1/2 & 1-1/4	SK-ERK-015 86.43	SK-VRK-015 109.31	1	10	299
2	SK-ERK-020 92.79	SK-VRK-020 113.14	1	10	299
2-1/2	SK-ERK-025 98.13	SK-VRK-025 125.59	1	10	299
3	SK-ERK-030 111.25	SK-VRK-030 135.76	1	10	299
4	SK-ERK-040 121.39	SK-VRK-040 148.02	1	10	299
6	SK-ERK-060 241.26	SK-VRK-060 284.81	1	10	299
8	SK-ERK-080 303.57	SK-VRK-080 368.28	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 17.56	S1520-05F 17.56	S1520-05FSR 20.48	35	0	026
3/4	S1520-07 18.13	S1520-07F 18.13	S1520-07FSR 22.29	35	0	026
1	S1520-10 18.88	S1520-10F 18.88	S1520-10FSR 24.68	20	0	026
1-1/4	S1520-12 19.61	S1520-12F 19.61	S1520-12FSR 28.93	12	0	026
1-1/2	S1520-15 20.79	S1520-15F 20.79	S1520-15FSR 36.69	12	0	026
2	S1520-20 32.26	S1520-20F 32.26	S1520-20FSR 49.53	15	0	026
2-1/2	S1520-25 53.67	S1520-25F 53.67	S1520-25FSR 70.94	5	0	026
3	S1520-30 59.64	S1520-30F 59.64	S1520-30FSR 105.78	4	0	026
4	S1520-40 84.44	S1520-40F 84.44	S1520-40FSR 132.25	2	0	026
6	S1520-60 177.43	S1520-60F 177.43	S1520-60FSR 234.03	1	0	026
8	S1520-80 329.61	---	---	1	0	026

PVC Clear Swing Check

Size	Socket	Thread	SR Threaded	Std Pk	Mstr Pk	Prod Code
1/2	S1520C05 23.87	S1520C05F 23.87	S1520C05FSR 26.79	35	0	026
3/4	S1520C07 24.35	S1520C07F 24.35	S1520C07FSR 28.55	35	0	026
1	S1520C10 24.81	S1520C10F 24.81	S1520C10FSR 30.62	20	0	026
1-1/4	S1520C12 26.05	S1520C12F 26.05	S1520C12FSR 35.34	12	0	026
1-1/2	S1520C15 28.31	S1520C15F 28.31	S1520C15FSR 44.24	12	0	026
2	S1520C20 40.76	S1520C20F 40.76	S1520C20FSR 58.02	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 67.94	S1520C25F 67.94	S1520C25FSR 94.71	5	0	026
3	S1520C30 75.49	S1520C30F 75.49	S1520C30FSR 121.62	4	0	026
4	S1520C40 101.62	S1520C40F 101.62	S1520C40FSR 149.40	2	0	026
6	S1520C60 210.03	S1520C60F 210.03	S1520C60FSR 266.64	1	0	026
8	S1520C80 350.83	---	---	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 19.97	S1720-05F 19.97	S1720-05FSR 22.87	35	0	026
3/4	S1720-07 20.58	S1720-07F 20.58	S1720-07FSR 24.78	30	0	026
1	S1720-10 21.44	S1720-10F 21.44	S1720-10FSR 27.25	18	0	026
1-1/4	S1720-12 22.57	S1720-12F 22.57	S1720-12FSR 31.86	12	0	026
1-1/2	S1720-15 24.81	S1720-15F 24.81	S1720-15FSR 40.75	10	0	026
2	S1720-20 37.27	S1720-20F 37.27	S1720-20FSR 54.46	10	0	026
2-1/2	S1720-25 62.15	S1720-25F 62.15	S1720-25FSR 88.88	2	0	026
3	S1720-30 79.35	S1720-30F 79.35	S1720-30FSR 125.51	2	0	026
4	S1720-40 107.11	S1720-40F 107.11	S1720-40FSR 154.44	1	0	026

PVC Clear True Union Swing Check

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1720C05 25.86	S1720C05F 25.86	S1720C05FSR 28.77	35	0	026
3/4	S1720C07 26.29	S1720C07F 26.29	S1720C07FSR 30.48	30	0	026
1	S1720C10 28.73	S1720C10F 28.73	S1720C10FSR 34.53	18	0	026
1-1/4	S1720C12 30.26	S1720C12F 30.26	S1720C12FSR 39.55	12	0	026
1-1/2	S1720C15 32.45	S1720C15F 32.45	S1720C15FSR 48.38	10	0	026
2	S1720C20 45.65	S1720C20F 45.65	S1720C20FSR 62.93	10	0	026
2-1/2	S1720C25 74.97	S1720C25F 74.97	S1720C25FSR 101.73	2	0	026
3	S1720C30 86.28	S1720C30F 86.28	S1720C30FSR 132.42	2	0	026
4	S1720C40 115.04	S1720C40F 115.04	S1720C40FSR 162.78	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	23.34
S1500-07	3/4	35	0	026	24.56
S1500-10	1	20	0	026	25.59



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	30.05
S1500-15	1-1/2	12	0	026	33.53
S1500-20	2	10	0	026	52.88
S1500-25	2-1/2	5	0	026	88.33
S1500-30	3	4	0	026	114.66
S1500-40	4	2	0	026	176.15

PVC Clear Compression End Swing Check

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
Compression End					
S1500C05	1/2	35	0	026	25.66
S1500C07	3/4	35	0	026	27.62
S1500C10	1	20	0	026	28.19
S1500C12	1-1/4	12	0	026	31.64
S1500C15	1-1/2	12	0	026	35.66
S1500C20	2	10	0	026	53.24
S1500C25	2-1/2	5	0	026	89.31
S1500C30	3	4	0	026	130.44
S1500C40	4	2	0	026	179.73

Compression Coupling Nut Wrenches

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
CCW-005	1/2	1	50	299	12.56
CCW-007	3/4	1	50	299	12.78
CCW-010	1	1	50	299	13.32
CCW-012	1-1/4	1	50	299	15.07
CCW-015	1-1/2	1	50	299	16.25
CCW-020 ¹	2	1	50	299	18.16
CCW-030 ²	3	1	25	299	22.34

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	104.93

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

Utility Spring Check Valves

(Spring Assisted Swing Check)



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

Maximum Service Temperature
 140°F (60°C)

Temperature/Pressure De-ratings Apply
 EPDM Seat

Stainless Steel Spring Assisted
 (non-adjustable)

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

PVC White Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1580-05	S1580-05F	S1580-05FSR	20	0	026
	34.57	34.57	37.49			
3/4	S1580-07	S1580-07F	S1580-07FSR	20	0	026
	39.13	39.13	43.29			
1	S1580-10	S1580-10F	S1580-10FSR	20	0	026
	40.76	40.76	46.55			
1-1/4	S1580-12	S1580-12F	S1580-12FSR	12	0	026
	42.44	42.44	51.76			
1-1/2	S1580-15	S1580-15F	S1580-15FSR	12	0	026
	45.18	45.18	61.07			
2	S1580-20	S1580-20F	S1580-20FSR	15	0	026
	47.36	47.36	64.62			
2-1/2	S1580-25	S1580-25F	S1580-25FSR	4	0	026
	84.05	84.05	110.82			
3	S1580-30	S1580-30F	S1580-30FSR	4	0	026
	87.66	87.66	133.81			
4	S1580-40	S1580-40F	S1580-40FSR	2	0	026
	124.41	124.41	172.22			

PVC Clear Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1580C05	S1580C05F	S1580C05FSR	20	0	026
	35.62	35.62	38.58			
3/4	S1580C07	S1580C07F	S1580C07FSR	20	0	026
	40.33	40.33	44.54			
1	S1580C10	S1580C10F	S1580C10FSR	20	0	026
	42.04	42.04	47.82			
1-1/4	S1580C12	S1580C12F	S1580C12FSR	12	0	026
	43.77	43.77	53.06			
1-1/2	S1580C15	S1580C15F	S1580C15FSR	12	0	026
	46.37	46.37	62.31			
2	S1580C20	S1580C20F	S1580C20FSR	15	0	026
	48.13	48.13	65.38			



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 86.66	S1580C25F 86.66	S1580C25FSR 113.39	5	0	026
3	S1580C30 90.24	S1580C30F 90.24	S1580C30FSR 179.55	4	0	026
4	S1580C40 128.21	S1580C40F 128.21	S1580C40FSR 176.01	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 45.97	S1780-05F 45.97	S1780-05FSR 48.88	20	0	026
3/4	S1780-07 52.15	S1780-07F 52.15	S1780-07FSR 56.34	30	0	026
1	S1780-10 54.35	S1780-10F 54.35	S1780-10FSR 60.13	18	0	026
1-1/4	S1780-12 56.61	S1780-12F 56.61	S1780-12FSR 65.86	12	0	026
1-1/2	S1780-15 60.31	S1780-15F 60.31	S1780-15FSR 76.25	10	0	026
2	S1780-20 62.79	S1780-20F 62.79	S1780-20FSR 80.03	10	0	026
2-1/2	S1780-25 112.06	S1780-25F 112.06	S1780-25FSR 138.77	2	0	026
3	S1780-30 116.91	S1780-30F 116.91	S1780-30FSR 163.04	2	0	026
4	S1780-40 165.88	S1780-40F 165.88	S1780-40FSR 213.73	1	0	026

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 Clear True Union Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1780C05 47.42	S1780C05F 47.42	S1780C05FSR 50.34	20	0	026
3/4	S1780C07 53.78	S1780C07F 53.78	S1780C07FSR 57.97	30	0	026
1	S1780C10 56.02	S1780C10F 56.02	S1780C10FSR 61.85	18	0	026
1-1/4	S1780C12 58.33	S1780C12F 58.33	S1780C12FSR 67.59	12	0	026
1-1/2	S1780C15 61.85	S1780C15F 61.85	S1780C15FSR 78.12	10	0	026
2	S1780C20 63.65	S1780C20F 63.65	S1780C20FSR 81.93	10	0	026
2-1/2	S1780C25 115.54	S1780C25F 115.54	S1780C25FSR 142.31	2	0	026
3	S1780C30 120.51	S1780C30F 120.51	S1780C30FSR 166.64	2	0	026
4	S1780C40 171.03	S1780C40F 171.03	S1780C40FSR 218.87	1	0	026

Diaphragm Check Valves

PVC Diaphragm Check Valves - Socket

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
6562-007	3/4	15	0	004	93.78

PVC Diaphragm Check Valves - Thread

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
6561-007	3/4	15	0	004	93.78

CPVC Diaphragm Check Valves - Socket

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
6562-007C	3/4	15	0	004	123.16

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	123.16

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	11.53
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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	12.18
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PVC In-line Adjustable Spring Check Valves



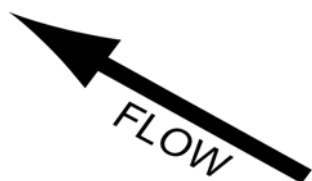
Fipt x Mipt



Mipt x Fipt



Fipt x Fipt



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

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

Temperature/Pressure De-ratings Apply

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

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

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

Stainless Steel Adjustment Hardware
EPDM Seat

Standard Unit - Female Inlet x Male Outlet

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

S1102-05	1/2	30	180	026	11.53
S1102-07	3/4	25	150	026	11.79
S1102-10	1	25	150	026	19.57
S1102-05-07	1/2X3/4	25	150	026	16.82