

Valves Product
True Union 2000 Industrial Ball Check Valves



True Union 2000 Industrial Ball Check Valves



Socket Style

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

1/2" - 4" 235 psi
 6" - 8" 150 psi
 All Flanged 150 psi

Maximum Service Temperature

PVC = 140°F (60°C)
 CPVC = 200°F (93°C)
 Temperature/Pressure De-ratings Apply

Rated for Vacuum Service

General Installation Information:

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

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

PVC Industrial

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

1/2	4529-005 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



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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	559

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



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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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