



Valves Product

True Union 2000 Industrial Ball Check Valves

True Union 2000 Industrial Ball Check Valves

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

1/2" - 4" 235 psi

6" - 8" 150 psi

All Flanged 150 psi

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

Rated for Vacuum Service

General Installation Information:

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



Socket Style

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

PVC Industrial

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

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

Socket Ends

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

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

Threaded Ends

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

PVC Industrial (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Threaded Ends

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

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

Spigot Ends

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

Flanged Ends

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

Valves Product  
**True Union 2000 Industrial Ball Check Valves**



**True Union 2000 Industrial Ball Check Valves**

**PVC Industrial (continued)**

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
<b>Flanged Ends</b>					
2-1/2	4523-025 629.78	4533-025 733.40	1	0	605
3	4523-030 880.96	4533-030 1024.41	1	0	605
4	4523-040 1192.45	4533-040 1384.12	1	0	605
6	4523-060 2856.03	4533-060 3312.99	1	0	558
8	4523-080 3709.12	4533-080 4311.49	1	0	558
8" Venturied valves are 6" ball check valves fitted with 6x8 end connector adapters.					

**CPVC Industrial**

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

**Socket Ends**

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

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

**Threaded Ends**

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

**SR Threaded Ends**

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

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

**Spigot Ends**

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

**Flanged Ends**

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



Valves Product

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

True Union 2000 Industrial Ball Check Valves

CPVC Industrial (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Flanged Ends

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

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

True Union Ball Check Valves (Regular Style)



Socket/Threaded Style

Pressure Rating @ 73°F (23°C), Water

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

Maximum Service Temperature

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

Temperature/Pressure De-ratings Apply  
Rated for Vacuum Service

General Installation Information:

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

All Valves assembled with Silicone-Free, Water Soluble Lubricant

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

PVC

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

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

Socket Ends

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

Socket Venturied Ends

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

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

Flanged Ends

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

Flanged Venturied Ends

6 VENTURIED	2223-060 1632.81	2233-060 1821.78	1	0	221
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