



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 65.74	4539-005 74.08	1	18	604
3/4	4529-007 78.38	4539-007 82.73	1	18	604
1	4529-010 93.23	4539-010 103.92	1	18	604
1-1/4	4529-012 136.14	4539-012 152.79	1	12	604
1-1/2	4529-015 156.36	4539-015 173.53	1	8	604
2	4529-020 213.46	4539-020 237.36	1	8	604

Socket Ends

2-1/2	4522-025 517.53	4532-025 551.19	1	0	605
3	4522-030 658.61	4532-030 738.27	1	0	605
4	4522-040 970.79	4532-040 1022.79	1	0	605
6	4522-060 1909.02	4532-060 2115.72	1	0	558
8	4522-080 2544.09	4532-080 2820.12	1	0	558

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

Threaded Ends

2-1/2	4521-025 517.53	4531-025 551.19	1	0	605
3	4521-030 662.85	4531-030 743.51	1	0	605
4	4521-040 970.79	4531-040 1022.79	1	0	605

PVC Industrial (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Threaded Ends

6	4521-060 1909.02	4531-060 2115.72	1	0	558
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SR Threaded Ends

1/2	4521-005SR 67.08	4531-005SR 75.39	1	18	604
3/4	4521-007SR 81.57	4531-007SR 85.92	1	18	604
1	4521-010SR 96.38	4531-010SR 107.09	1	18	604
1-1/4	4521-012SR 142.46	4531-012SR 159.08	1	12	604
1-1/2	4521-015SR 166.55	4531-015SR 183.72	1	8	604
2	4521-020SR 224.48	4531-020SR 248.40	1	8	604
2-1/2	4521-025SR 545.73	4531-025SR 579.42	1	0	605
3	4521-030SR 676.64	4531-030SR 579.42	1	0	605
4	4521-040SR 1003.71	4531-040SR 1055.74	1	0	605
6	4521-060SR 1963.52	4531-060SR 2172.05	1	0	558

Spigot Ends

1/2	4527-005 65.74	4537-005 74.08	1	18	604
3/4	4527-007 78.38	4537-007 82.73	1	18	604
1	4527-010 93.23	4537-010 103.92	1	12	604
1-1/4	4527-012 136.14	4537-012 152.79	1	12	604
1-1/2	4527-015 156.36	4537-015 173.53	1	8	604
2	4527-020 213.46	4537-020 237.36	1	8	604
2-1/2	4527-025 517.53	4537-025 551.19	1	0	605
3	4527-030 586.01	4537-030 739.92	1	0	605
4	4527-040 970.79	4537-040 1022.79	1	0	605
6	4527-060 1909.02	4537-060 2115.72	1	0	558

Flanged Ends

1/2	4523-005 92.67	4533-005 116.33	1	8	604
3/4	4523-007 112.09	4533-007 139.49	5	0	604
1	4523-010 132.86	4533-010 162.32	1	8	604
1-1/4	4523-012 164.31	4533-012 212.42	2	0	604
1-1/2	4523-015 226.74	4533-015 246.43	3	0	604
2	4523-020 320.01	4533-020 327.59	2	0	604

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



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**PVC Industrial (continued)**

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
<b>Flanged Ends</b>					
2-1/2	4523-025 662.93	4533-025 772.00	1	0	605
3	4523-030 927.33	4533-030 1078.33	1	0	605
4	4523-040 1255.21	4533-040 1456.97	1	0	605
6	4523-060 3006.35	4533-060 3487.36	1	0	558
8	4523-080 3904.34	4533-080 4538.41	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 97.17	4539-005C 108.17	1	18	606
3/4	4529-007C 116.29	4539-007C 129.24	1	18	606
1	4529-010C 137.22	4539-010C 152.45	1	18	606
1-1/4	4529-012C 236.34	4539-012C 262.36	1	12	606
1-1/2	4529-015C 236.34	4539-015C 262.36	1	8	606
2	4529-020C 315.66	4539-020C 351.73	1	8	606

**Socket Ends**

2-1/2	4522-025C 661.48	4532-025C 734.95	1	0	607
3	4522-030C 878.81	4532-030C 957.18	1	0	607
4	4522-040C 1451.57	4532-040C 1613.87	1	0	607
6	4522-060C 2996.93	4532-060C 3329.49	1	0	559
8	4522-080C 3525.82	4532-080C 4438.09	1	0	559

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

**Threaded Ends**

2-1/2	4521-025C 661.48	4531-025C 734.95	1	0	607
3	4521-030C 876.20	4531-030C 981.81	1	0	607
4	4521-040C 1451.57	4531-040C 1613.87	1	0	607
6	4521-060C 2996.93	4531-060C 3329.49	1	0	559

**SR Threaded Ends**

1/2	4521-005CSR 98.46	4531-005CSR 109.48	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 119.48	4531-007CSR 132.39	1	18	606
1	4521-010CSR 140.37	4531-010CSR 155.62	1	18	606
1-1/4	4521-012CSR 242.64	4531-012CSR 272.56	1	12	606
1-1/2	4521-015CSR 242.64	4531-015CSR 272.56	1	8	606
2	4521-020CSR 326.71	4531-020CSR 362.76	1	8	606
2-1/2	4521-025CSR 690.06	4531-025CSR 763.17	1	0	607
3	4521-030CSR 690.06	4531-030CSR 1028.42	1	0	607
4	4521-040CSR 1484.48	4531-040CSR 1646.81	1	0	607
6	4521-060CSR 3077.74	4531-060CSR 3410.32	1	0	559

**Spigot Ends**

1/2	4527-005C 97.17	4537-005C 108.17	1	18	606
3/4	4527-007C 116.29	4537-007C 129.24	1	18	606
1	4527-010C 137.22	4537-010C 152.45	1	12	606
1-1/4	4527-012C 236.34	4537-012C 262.36	1	12	606
1-1/2	4527-015C 268.37	4537-015C 262.36	1	8	606
2	4527-020C 315.66	4537-020C 351.73	1	8	606
2-1/2	4527-025C 661.48	4537-025C 734.95	1	0	607
3	4527-030C 859.60	4537-030C 951.71	1	0	607
4	4527-040C 1451.57	4537-040C 1613.87	1	0	607
6	4527-060C 2996.93	4537-060C 3329.49	1	0	559

**Flanged Ends**

1/2	4523-005C 120.64	4533-005C 150.76	1	8	606
3/4	4523-007C 143.95	4533-007C 182.20	1	8	606
1	4523-010C 171.87	4533-010C 211.88	1	8	606
1-1/4	4523-012C 289.89	4533-012C 359.45	1	8	606
1-1/2	4523-015C 309.72	4533-015C 387.00	1	4	606
2	4523-020C 547.62	4533-020C 587.11	1	0	606
2-1/2	4523-025C 992.17	4533-025C 1073.41	1	0	607
3	4523-030C 1107.84	4533-030C 1215.38	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 1832.88	4533-040C 1968.18	1	0	607
6	4523-060C 4887.18	4533-060C 5080.72	1	0	559
8	4523-080C 5625.61	4533-080C 6121.32	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 71.94	2239-005 81.05	1	18	220
3/4	2229-007 85.76	2239-007 90.54	1	12	220
1	2229-010 101.98	2239-010 113.69	1	8	220
1-1/4	2229-012 148.96	2239-012 167.16	1	8	220
1-1/2	2229-015 171.07	2239-015 189.86	1	8	220
2	2229-020 233.55	2239-020 259.71	1	4	220

Socket Ends

2-1/2	2222-025 566.22	2232-025 603.04	1	0	220
3	2222-030 684.02	2232-030 794.85	1	0	220
4	2222-040 1062.14	2232-040 1119.07	1	0	220

Socket Venturied Ends

6 VENTURIED	2222-060 1434.94	2232-060 1625.39	1	0	221
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Threaded Ends

2-1/2	2221-025 566.22	2231-025 603.04	1	0	220
3	2221-030 684.02	2231-030 794.85	1	0	220
4	2221-040 1062.14	2231-040 1119.07	1	0	220

Flanged Ends

1/2	2223-005 101.42	2233-005 127.29	6	0	220
3/4	2223-007 122.64	2233-007 152.62	5	0	220
1	2223-010 145.36	2233-010 177.60	5	0	220
1-1/4	2223-012 179.79	2233-012 232.41	2	0	220
1-1/2	2223-015 248.05	2233-015 269.65	3	0	220
2	2223-020 350.13	2233-020 358.44	2	0	220
2-1/2	2223-025 725.32	2233-025 844.67	1	0	220
3	2223-030 1014.58	2233-030 1179.81	1	0	220
4	2223-040 1373.35	2233-040 1594.08	1	0	220

Flanged Venturied Ends

6 VENTURIED	2223-060 1718.75	2233-060 1917.66	1	0	221
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