

Low Extractable High Purity PVC System Technical Information

Technical Information & Dimensions

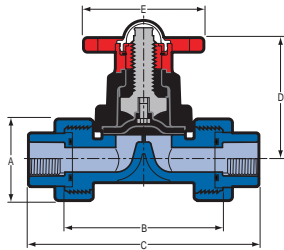


Valves

Spears® low-extractable valves are available in two styles: True Union Diaphragm configurations sizes 1/2" – 2" and True Union 2000 ball valve configurations sizes 1/2" – 4". Spears® low-extractable diaphragm valves (sizes 1/2" – 2") carry a maximum pressure rating of 150 psi for water, non-shock, @ 73°F. Spears® low-extractable ball valves sizes 1/2" – 4" carry a maximum pressure rating of 235 psi for water, non-shock, @ 73°F.

Diaphragm Valves

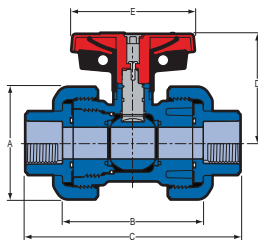
Spears® low-extractable diaphragm valves are engineered to provide accurate throttling control and shut-off, utilizing a positive-stop, non-rising stem. The Weir-type design incorporates a PTFE diaphragm for maintaining purity, and uses EPDM O-ring seals on the union connections. Low-profile True Union design minimizes space while allowing for ease of installation



True Union Diaphragm Valves

Part #	Size (in.)	A	B	C	D	E	Weight (lbs.)
2729T-005BL	1/2	1-15/16	3-7/8	5-3/16	3-11/32	2-7/8	.8
2729T-007BL	3/4	2-1/2	4-1/2	5-15/16	3-3/4	3-1/8	1.3
2729T-010BL	1	2-9/16	4-15/16	6-13/16	4-7/16	3-3/8	2.2
2729T-012BL	1-1/4	3-5/16	5-1/2	8-1/4	5-5/8	3-7/8	2.8
2729T-015BL	1-1/2	3-17/32	6-5/16	8-7/16	5-5/8	4-5/8	3.7
2729T-020BL	2	4-7/32	7-1/2	9-1/2	7	6-5/8	6.7

NOTE: Spears® low-extractable True Union Diaphragm valves sizes 1/2" – 2" carry a maximum pressure rating of 150 psi for water, non-shock, @ 73°F.

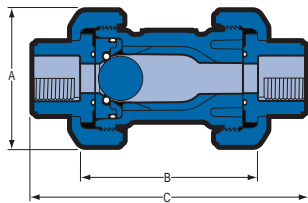


True Union 2000 Industrial Ball Valves

Part # *EPDM O-rings	Size (in.)	A	B	C	D	E	Weight (lbs.)
1829-005BL	1/2	1-7/8	2-3/8	4-3/16	2-9/16	2-13/16	.36
1829-007BL	3/4	2-1/4	2-3/4	4-3/4	2-7/8	3-3/8	.56
1829-010BL	1	2-1/2	2-7/8	5-1/8	3-1/8	3-7/16	.74
1829-012BL	1-1/4	3-1/16	3-1/4	5-3/4	3-5/8	3-7/8	1.13
1829-015BL	1-1/2	3-1/2	3-1/2	6-1/4	4	4-3/16	1.54
1829-020BL	2	4-1/4	4-3/4	7-3/4	4-1/2	5-1/8	2.72
1822-030BL	3	6-3/16	7	10-11/16	5-7/8	7-5/8	7.46
1822-040BL	4	7-5/8	7-5/16	11-7/8	6-3/4	9-3/16	12.35

NOTE: Spears® low-extractable True Union ball valves sizes 1/2" – 4" carry a maximum pressure rating of 235 psi for water, non-shock, @ 73°F.

*For True Union 2000 ball valves equipped with FKM O-ring seals, replace the 1829 with 1839 in the Part Number.



True Union 2000 Industrial Ball Check Valves

Part # *EPDM O-rings	Size (in.)	Dimension Reference (inches + 1/16)			Approx. Wt. (Lbs.)	Cv ²	Horizontal Closing	
		A	B	C			Feet of Head (water)	GPM (minimum)
4529-005BL	1/2	1-7/8	2-7/16	4-3/16	0.72	6.3	1.6	.30
4529-007BL	3/4	2-1/4	2-3/4	4-3/4	1.19	17	1.6	.46
4529-010BL	1	2-1/2	2-7/8	5-1/8	1.53	25	1.6	.70
4529-012BL	1-1/4	3-1/16	3-1/4	5-3/4	1.85	65	1.6	1.04
4529-015BL	1-1/2	3-1/2	3-1/2	6-1/4	2.97	86	1.6	1.37
4529-020BL	2	4-1/4	4-3/4	7-3/4	4.55	130	1.6	2.47
4522-030BL	3	6-3/16	6-7/8	10-11/16	11.15	275	1.0	6.98
4522-040BL	4	7-1/2	7-1/4	11-13/16	16.58	500	1.0	12.13

1: Valve Lay Length

2: Gallons per minute at 1 psi pressure drop. Values based on independent testing by California State Polytechnic University.

NOTE: Spears® low-extractable True Union ball check valves sizes 1/2" – 4" carry a maximum pressure rating of 235 psi for water, non-shock, @ 73°F.

*For True Union 2000 ball check valves equipped with FKM O-ring seals, replace the 4529 with 4539 in the Part Number.