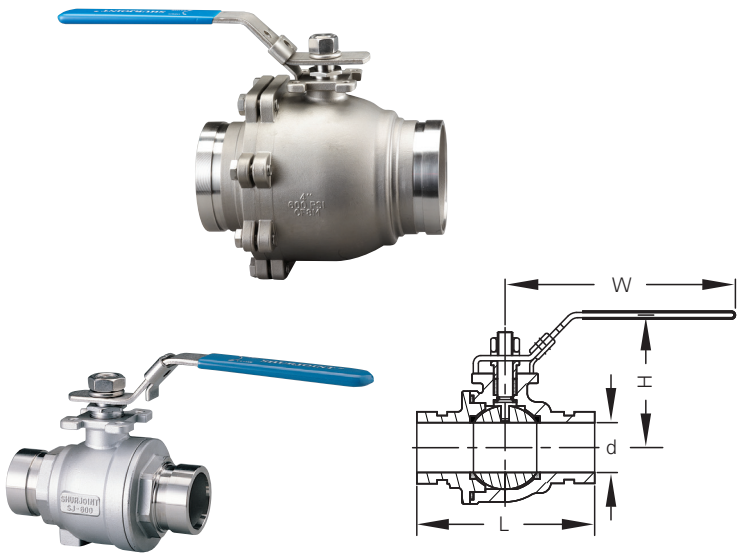


SJ-600L ball valve



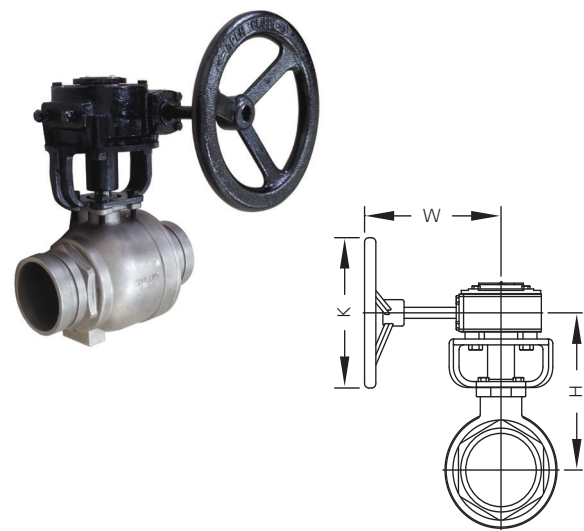
The Model SJ-600L is a two-piece, full-port stainless steel ball valve rated at 600 psi (42 Bar) and is available in CF8M (316). The SJ-600L features a floating ball for lower torque and is supplied with a lever handle as well as ISO mounting holes to accommodate a full range of gear or power actuators.

dimensions

nom. size	pipe O.D.	max. working pressure (CWP)*	operating torque ‡	dimensions				weight
				L	H	W	d	
1½"	1.900"	600 psi	265 lbs-in.	5.50"	3.70"	7.60"	1.50"	6.6 lbs
40	(48.3 mm)	(42 bar)	(30 Nm)	(140 mm)	(94 mm)	(193 mm)	(38 mm)	(3.0 Kgs)
2"	2.375"	600 psi	354 lbs-in.	6.15"	4.13"	7.60"	1.97"	8.8 lbs
50	(60.3 mm)	(42 bar)	(40 Nm)	(156 mm)	(105 mm)	(193 mm)	(50 mm)	(4.0 Kgs)
2½"	2.875"	600 psi	442 lbs-in.	7.09"	4.33"	9.84"	2.56"	15.4 lbs
65	(73.0 mm)	(42 bar)	(50 Nm)	(180 mm)	(110 mm)	(250 mm)	(65 mm)	(7.0 Kgs)
3"	3.500"	600 psi	619 lbs-in.	8.42"	6.00"	9.84"	3.07"	20.7 lbs
80	(88.9 mm)	(42 bar)	(70 Nm)	(214 mm)	(152 mm)	(250 mm)	(78 mm)	(9.4 Kgs)
4"	4.500"	600 psi	973 lbs-in.	9.45"	6.57"	11.42"	3.94"	55.0 lbs
100	(114.3 mm)	(42 bar)	(110 Nm)	(240 mm)	(167 mm)	(290 mm)	(100 mm)	(25.0 Kgs)

* Working pressure is for connection with cut- or roll-grooved schedule Sch. 40S pipe.
 ‡ For the first opening or closing of the valve when the valve is not continuously operated, an additional torque of 2.0 – 2.5 times the listed operating torque is normally required.
 ^ The weight includes the lever handle.

SJ-600W ball valve



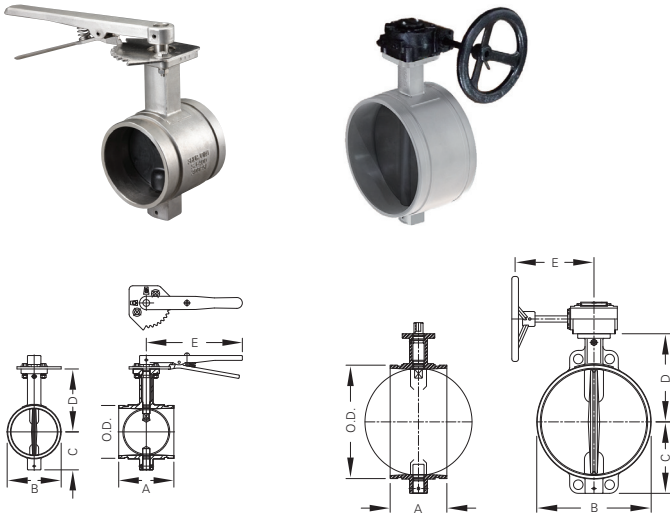
The Model SJ-600W is supplied with a worm gear operator. The standard gear operator is supplied with a bracket and extension sleeve. Sizes available are 2" (50 mm) through 4" (100 mm).

dimensions

nom size.	pipe O.D.	dimensions			weight
		K	H	W	
2"	2.375"	5.98"	5.38"	8.00"	17.82 lbs
50	(60.3 mm)	(152 mm)	(137 mm)	(203 mm)	(8.10 Kgs)
2½"	2.875"	5.98"	5.68"	8.00"	24.42 lbs
65	(73.0 mm)	(152 mm)	(145 mm)	(203 mm)	(11.10 Kgs)
3"	3.500"	5.98"	7.16"	8.00"	29.70 lbs
80	(88.9 mm)	(152 mm)	(182 mm)	(203 mm)	(13.50 Kgs)
4"	4.500"	5.98"	8.00"	8.00"	63.80 lbs
100	(114.3 mm)	(152 mm)	(203 mm)	(203 mm)	(29.0 Kgs)

* The weight includes the worm gear operator.

SJ-400 butterfly valve



The Shurjoint Model SJ-400 Butterfly Valve is a grooved end stainless steel butterfly valve, supplied with a 10 position lever handle (SJ-400L) or worm gear operator can be supplied as an option (SJ-400W). The body is available in CF8M (316) to ASTM A743 with integral neck and ISO 5211 mounting pad. It features a dual seal disc encapsulated with Gr. E-pw EPDM for cold and hot water services. The end-to-end dimensions conform to MSS SP-67.

dimensions

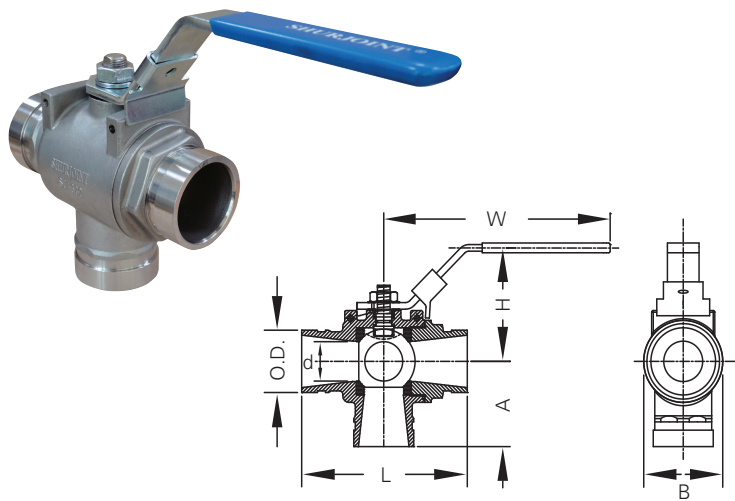
nom. size	pipe O.D	max. working pressure (CWP)*	dimensions					operating torque	weight‡
			A	B	C	D	E		
2"	2.375"	300 psi	3.19"	2.520"	2.480"	4.17"	7.56"	78 lbs-in.	5.0 lbs
50	(60.3 mm)	(20 bar)	(81 mm)	(64 mm)	(63 mm)	(106 mm)	(192 mm)	(8.80 Nm)	(2.3 Kgs)
2½"	2.875"	300 psi	3.81"	3.150"	2.677"	4.28"	7.56"	84 lbs-in.	7.0 lbs
65	(73.0 mm)	(20 bar)	(97 mm)	(80 mm)	(68 mm)	(111 mm)	(192 mm)	(9.50 Nm)	(3.2 Kgs)
76.1 mm	3.000"	300 psi	3.81"	3.150"	2.677"	4.28"	7.56"	84 lbs-in.	7.0 lbs
	(76.1 mm)	(20 bar)	(97 mm)	(80 mm)	(68 mm)	(111 mm)	(192 mm)	(9.50 Nm)	(3.2 Kgs)
3"	3.500"	300 psi	3.81"	3.622"	2.992"	4.97"	7.56"	95 lbs-in.	6.6 lbs
80	(88.9 mm)	(20 bar)	(97 mm)	(92 mm)	(76 mm)	(126 mm)	(192 mm)	(10.7 Nm)	(3.5 Kgs)
4"	4.500"	300 psi	4.56"	4.646"	3.504"	5.33"	9.92"	200 lbs-in.	11.0 lbs
100	(114.3 mm)	(20 bar)	(116 mm)	(118 mm)	(89 mm)	(135 mm)	(252 mm)	(22.6 Nm)	5.0 Kgs
139.7 mm	5.500"	300 psi	5.81"	5.708"	4.015"	6.61"	9.92"	265 lbs-in.	15.9 lbs
	(139.7 mm)	(20 bar)	(148 mm)	(145 mm)	(102 mm)	(168 mm)	(252 mm)	(29.9 Nm)	7.2 Kgs
5"	5.563"	300 psi	5.81"	5.708"	4.015"	6.61"	9.92"	265 lbs-in.	16.1 lbs
125	(141.3 mm)	(20 bar)	(148 mm)	(145 mm)	(102 mm)	(168 mm)	(252 mm)	(29.9 Nm)	7.3 Kgs
165.1 mm	3.000"	300 psi	5.81"	6.772"	4.488"	7.25"	9.92"	310 lbs-in.	20.2 lbs
	(165.1 mm)	(20 bar)	(148 mm)	(172 mm)	(114 mm)	(184 mm)	(252 mm)	(34.9 Nm)	(9.2 Kgs)
6"	6.625"	300 psi	5.81"	6.772"	4.488"	7.25"	9.92"	310 lbs-in.	20.2 lbs
150	(168.3 mm)	(20 bar)	(148 mm)	(172 mm)	(114 mm)	(184 mm)	(252 mm)	(34.9 Nm)	(9.2 Kgs)
200 JIS*	8.516"	300 psi	5.24"	8.740"	5.512"	8.20"	13.46"	400 lbs-in.	26.8 lbs
	(216.3 mm)	(20 bar)	(133 mm)	(222 mm)	(140 mm)	(208 mm)	(342 mm)	(45.1 Nm)	(12.2 Kgs)
8"	8.625"	300 psi	5.24"	8.740"	5.512"	8.20"	13.46"	400 lbs-in.	26.8 lbs
200	(219.1 mm)	(20 bar)	(133 mm)	(222 mm)	(140 mm)	(208 mm)	(342 mm)	(45.1 Nm)	(12.2 Kgs)
10"	10.75"	150 psi	6.3"	11.181"	7.32"	9.25"	14.02"	1500 lbs-in.	62.3 lbs
250	(273 mm)	(10 bar)	(160 mm)	(284 mm)	(186 mm)	(235 mm)	(356 mm)	(170 Nm)	(28.3 Kgs)
12"	12.75"	150 psi	6.56"	13.150"	6.39"	10.24"	14.02"	2000 lbs-in.	88.1 lbs
300	(323.9 mm)	(10 bar)	(166 mm)	(334 mm)	(213 mm)	(260 mm)	(356 mm)	(226 Nm)	(40 Kgs)

‡ The weight includes the lever handle.

* Non-standard/stock items may require longer lead time.

** Working pressure is based on connection with roll- or cut-grooved standard wall stainless steel pipe.

SJ-630 three port ball valve



The Shurjoint Model SJ-630 is a grooved-end three-port ball valve designed to divert media from bottom inlet to either of the two outlets ports. The valve port is a regular port size and the stem features a blowout proof design to MSS SP-72 and API Standard 608. The valve body and trim materials are in compliance with NACE MR-01-75 requirements.

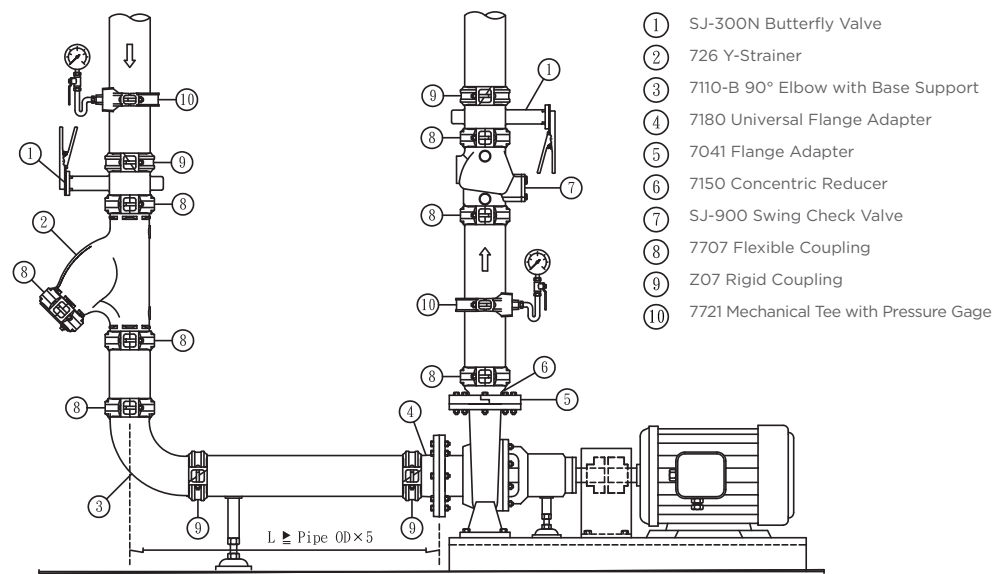
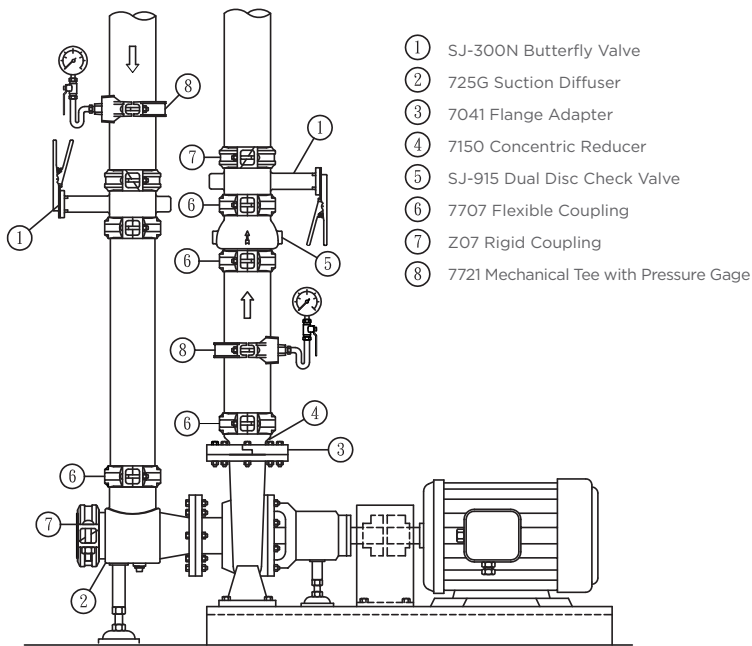
dimensions

nom. size	pipe O.D.	max. working pressure (CWP)*	dimensions						weight
			L	H	W	d	A	B	
2"	2.375"	600 psi	6.55"	4.32"	8.96"	1.50"	3.25"	3.13"	7.89 lbs
50	(60.3 mm)	(42 bar)	(167 mm)	(110 mm)	(228 mm)	(38 mm)	(83 mm)	(79 mm)	(3.58 Kgs)

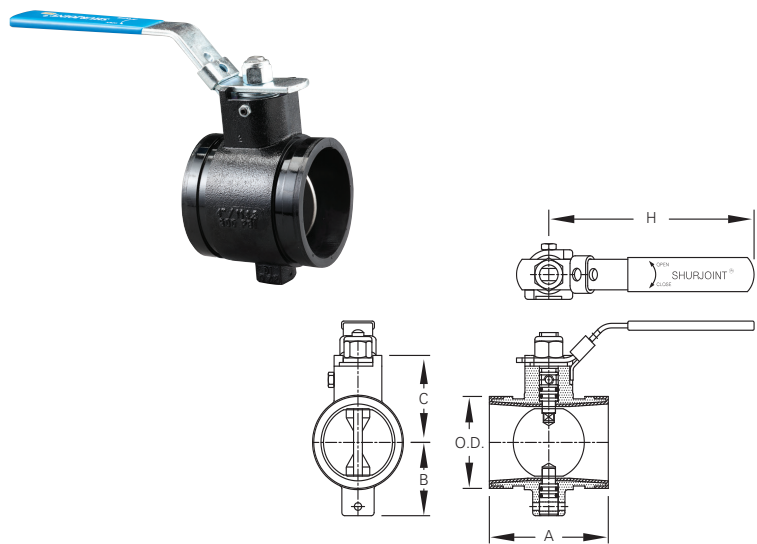
* Working pressure is based on connection with roll- or cut-grooved Sch. 40S stainless steel pipe.

valves and flow control components

Shurjoint offers a wide range of grooved-end butterfly valves, ball valves, check valves, suction diffusers, strainers and expansion joints. Grooved-end valves and components can be installed 3 - 4 times faster than comparable flange components. With the removal of just a few bolts one can easily access the system for cleaning, maintenance, changes and or system expansion.



SJ-200 low-profile butterfly valve



The Shurjoint Model SJ-200 Butterfly Valve is a low profile, grooved-end butterfly valve designed for oil & gas, mining and other service applications. The working pressure is rated up to 232 psi / 1600 kPa and service temperatures are rated to +180°F / +82°C (Nitrile body liner). The Model SJ-200 features a fully rubber lined body with 316 stainless steel disc. The end to end dimensions conform to MSS SP-67. The lever handle is equipped with a tamper resistant locking device.

*Not recommended for steam

dimensions

nom. size	pipe O.D.	max. working pressure (CWP)*	dimensions				weight
			A	B	C	H	
2"	2.375"	232 psi	3.19"	1.89"	2.25"	5.51"	2.0 lbs
50	(60.3 mm)	(16 bar)	(81 mm)	(48 mm)	(57 mm)	(140 mm)	(0.9 kgs)
2½"	2.875"	232 psi	3.82"	2.13"	2.65"	7.48"	3.3 lbs
65	(73.0 mm)	(16 bar)	(97 mm)	(54 mm)	(67 mm)	(190 mm)	(1.5 kgs)
3"	3.500"	232 psi	3.82"	2.44"	2.94"	7.48"	4.2 lbs
80	(88.9 mm)	(16 bar)	(97 mm)	(62 mm)	(75 mm)	(190 mm)	(1.9 kgs)
4"	4.500"	232 psi	4.57"	3.00"	4.19"	10.79"	8.6 lbs
100	(114.3 mm)	(16 bar)	(116 mm)	(76 mm)	(106.3 mm)	(274 mm)	(3.9 kgs)
6"	6.625"	232 psi	5.83"	4.09"	5.45"	10.79"	22.2 lbs
150	(168.3 mm)	(16 bar)	(148 mm)	(104 mm)	(138.5 mm)	(274 mm)	(10.1 kgs)
8"	8.625"	232 psi	5.25"	5.50"	6.45"	10.79"	27.9 lbs
200	(219.1 mm)	(16 bar)	(133 mm)	(140 mm)	(163.9 mm)	(274 mm)	(11.3 kgs)

* Working pressure is based on connection with roll- or cut-grooved standard wall carbon steel pipe.

SJ-300N-L butterfly valve



The Shurjoint Model SJ-300N Butterfly Valve is a grooved-end shut-off valve equipped with a 10 position lever handle (SJ-300N-L) or worm gear operator (SJ-300N-W). The valve consists of an epoxy coated ductile iron body and EPDM or Nitrile (NBR) rubber encapsulated dual-seal disc. The Model SJ-300N is rated up to + 200° F (+93°C) for general service use and is UL classified in accordance with NSF/ANSI 61 and NSF/ANSI 372 for potable water services up to temperature + 180° F (+82°C) with "E-pw" encapsulated disc. The end-to-end dimensions conform to MSS SP-67.

dimensions

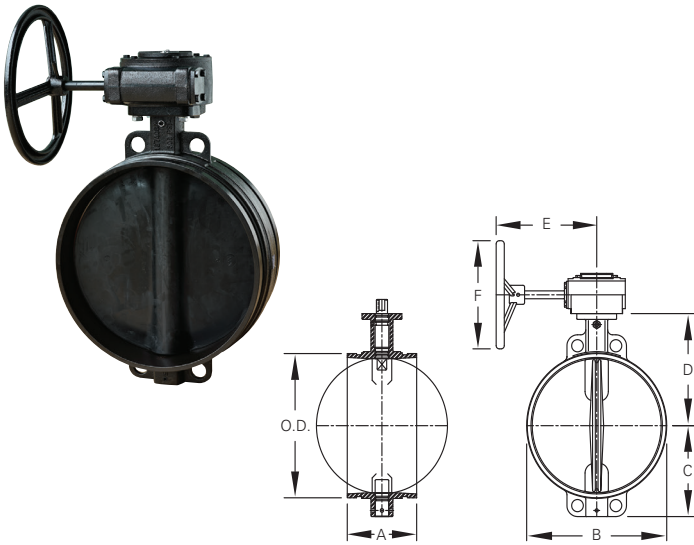
nom. size	pipe O.D.	max. working pressure (CWP)*	dimensions					operating torque	weight
			A	B	C	D	E		
2"	2.375"	300 psi	3.19"	2.52"	2.48"	4.17"	7.56"	80 lbs-in.	6.8 lbs
50	(60.3 mm)	(20 bar)	(81 mm)	(64 mm)	(63 mm)	(106 mm)	(192 mm)	(9 Nm)	(3.1 Kgs)
2½"	2.875"	300 psi	3.82"	3.11"	2.68"	4.37"	7.56"	120 lbs-in.	8.2 lbs
65	(73.0 mm)	(20 bar)	(97 mm)	(79 mm)	(68 mm)	(111 mm)	(192 mm)	(14 Nm)	(3.7 Kgs)
76.1 mm	3.000"	300 psi	3.82"	3.11"	2.68"	4.37"	7.56"	120 lbs-in.	8.4 lbs
	(76.1 mm)	(20 bar)	(97 mm)	(79 mm)	(68 mm)	(111 mm)	(192 mm)	(14 Nm)	(3.8 Kgs)
3"	3.500"	300 psi	3.82"	3.62"	2.99"	4.96"	7.56"	160 lbs-in.	9.0 lbs
80	(88.9 mm)	(20 bar)	(97 mm)	(92 mm)	(76 mm)	(126 mm)	(192 mm)	(18 Nm)	(4.1 Kgs)
4"	4.500"	300 psi	4.57"	4.65"	3.50"	5.32"	10.24"	450 lbs-in.	11.4 lbs
100	(114.3 mm)	(20 bar)	(116 mm)	(118 mm)	(89 mm)	(135 mm)	(260 mm)	(51 Nm)	(5.2 Kgs)
139.7 mm	5.500"	300 psi	5.83"	5.71"	4.02"	6.61"	10.24"	700 lbs-in.	16.9 lbs
	(139.7 mm)	(20 bar)	(148 mm)	(145 mm)	(102 mm)	(168 mm)	(260 mm)	(79 Nm)	(7.7 Kgs)
5"	5.563"	300 psi	5.83"	5.71"	4.02"	6.61"	10.24"	700 lbs-in.	16.9 lbs
125	(141.3 mm)	(20 bar)	(148 mm)	(145 mm)	(102 mm)	(168 mm)	(260 mm)	(79 Nm)	(7.7 Kgs)
165.1 mm	6.500"	300 psi	5.83"	6.77"	4.49"	7.24"	10.24"	900 lbs-in.	20.2 lbs
	(165.1 mm)	(20 bar)	(148 mm)	(172 mm)	(114 mm)	(184 mm)	(260 mm)	(102 Nm)	(9.2 Kgs)
6"	6.625"	300 psi	5.83"	6.77"	4.49"	7.24"	10.24"	900 lbs-in.	20.2 lbs
150	(168.3 mm)	(20 bar)	(148 mm)	(172 mm)	(114 mm)	(184 mm)	(260 mm)	(102 Nm)	(9.2 Kgs)
200 JIS	8.516"	300 psi	5.24"	8.74"	5.51"	8.19"	10.24"	1200 lbs-in.	26.8 lbs
	(216.3 mm)	(20 bar)	(133 mm)	(222 mm)	(140 mm)	(208 mm)	(260 mm)	(136 Nm)	(12.2 Kgs)
8"	8.625"	300 psi	5.24"	8.74"	5.51"	8.19"	10.24"	1200"/lbs	26.8 lbs
200	(219.1 mm)	(20 bar)	(133 mm)	(222 mm)	(140 mm)	(208 mm)	(260 mm)	(136 Nm)	(12.2 Kgs)
10"	10.750"	300 psi	6.25"	10.86"	6.69"	9.25"	14.02"	1800 lbs-in.	48.4 lbs
250	(273.0 mm)	(20 bar)	(159 mm)	(276 mm)	(170 mm)	(235 mm)	(356 mm)	(204 Nm)	(22.0 Kgs)
12"	12.750"	300 psi	6.53"	12.87"	8.07"	10.24"	14.02"	2500 lbs-in.	73.7 lbs
300	(323.9 mm)	(20 bar)	(165 mm)	(327 mm)	(205 mm)	(260 mm)	(356 mm)	(282 Nm)	(33.5 Kgs)

* Working pressure is based on connection with roll- or cut-grooved standard wall carbon steel pipe.

‡ The weight includes the lever handle.

Notes: The torque values are based on liquid applications. For dry or non-lubricating applications add a 25% service factor to the above values.

SJ-300N-W butterfly valve



The Model SJ-300N can be equipped with a worm gear operator.
The ISO 5211 mounting pad allows for the mounting of power actuators.

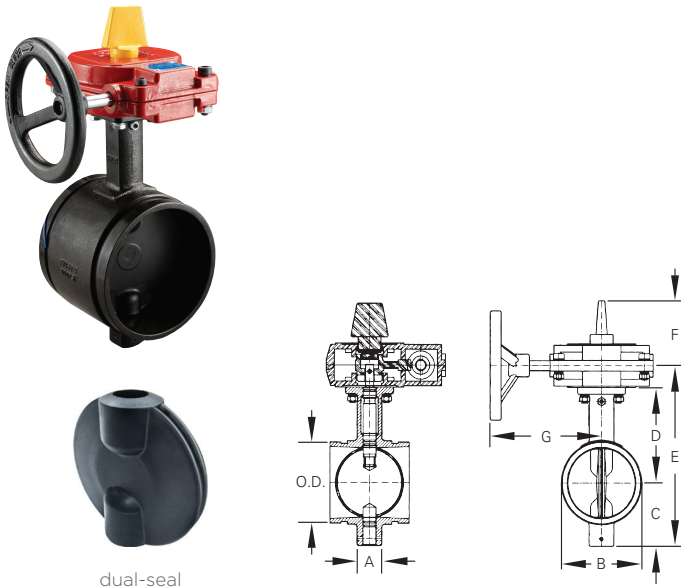
dimensions

nom. size	pipe O.D.	max. working pressure (CWP)*	dimensions						weight
			A	B	C	D	E	F	
2"	2.375"	300 psi	3.19"	2.52"	2.48"	4.17"	6.00"	6.00"	13.6 lbs
50	(60.3 mm)	(20 bar)	(81 mm)	(64 mm)	(63 mm)	(106 mm)	(152 mm)	(152 mm)	(6.2 Kgs)
2½"	2.875"	300 psi	3.82"	3.11"	2.68"	4.37"	6.00"	6.00"	14.3 lbs
65	(73.0 mm)	(20 bar)	(97 mm)	(79 mm)	(68 mm)	(111 mm)	(152 mm)	(152 mm)	(6.5 Kgs)
76.1 mm	3.000"	300 psi	3.82"	3.11"	2.68"	4.37"	6.00"	6.00"	14.3 lbs
	(76.1 mm)	(20 bar)	(97 mm)	(79 mm)	(68 mm)	(111 mm)	(152 mm)	(152 mm)	(6.5 Kgs)
3"	3.500"	300 psi	3.82"	3.62"	2.99"	4.96"	6.00"	6.00"	16.0 lbs
80	(88.9 mm)	(20 bar)	(97 mm)	(92 mm)	(76 mm)	(126 mm)	(152 mm)	(152 mm)	(7.3 Kgs)
4"	4.500"	300 psi	4.57"	4.65"	3.50"	5.32"	6.00"	6.00"	19.1 lbs
100	(114.3 mm)	(20 bar)	(116 mm)	(118 mm)	(89 mm)	(135 mm)	(152 mm)	(152 mm)	(8.7 Kgs)
139.7 mm	5.500"	300 psi	5.83"	5.71"	4.02"	6.61"	6.00"	6.00"	21.8 lbs
	(139.7 mm)	(20 bar)	(148 mm)	(145 mm)	(102 mm)	(168 mm)	(152 mm)	(152 mm)	(9.9 Kgs)
5"	5.563"	300 psi	5.83"	5.71"	4.02"	6.61"	6.00"	6.00"	21.8 lbs
125	(141.3 mm)	(20 bar)	(148 mm)	(145 mm)	(102 mm)	(168 mm)	(152 mm)	(152 mm)	(9.9 Kgs)
165.1 mm	6.500"	300 psi	5.83"	6.77"	4.49"	7.24"	6.00"	6.00"	25.0 lbs
	(165.1 mm)	(20 bar)	(148 mm)	(172 mm)	(114 mm)	(184 mm)	(152 mm)	(152 mm)	(11.4 Kgs)
6"	6.625"	300 psi	5.83"	6.77"	4.49"	7.24"	6.00"	6.00"	25.3 lbs
150	(168.3 mm)	(20 bar)	(148 mm)	(172 mm)	(114 mm)	(184 mm)	(152 mm)	(152 mm)	(11.5 Kgs)
200 JIS	8.516"	300 psi	5.24"	8.74"	5.51"	8.19"	6.00"	6.00"	31.9 lbs
	(216.3 mm)	(20 bar)	(133 mm)	(222 mm)	(140 mm)	(208 mm)	(152 mm)	(152 mm)	(14.5 Kgs)
8"	8.625"	300 psi	5.24"	8.74"	5.51"	8.19"	6.00"	6.00"	32.0 lbs
200	(219.1 mm)	(20 bar)	(133 mm)	(222 mm)	(140 mm)	(208 mm)	(152 mm)	(152 mm)	(14.5 Kgs)
10"	10.750"	300 psi	6.25"	10.86"	6.69"	9.25"	8.00"	8.00"	59.4 lbs
250	(273.0 mm)	(20 bar)	(159 mm)	(276 mm)	(170 mm)	(235 mm)	(203 mm)	(203 mm)	(27.0 Kgs)
12"	12.750"	300 psi	6.53"	12.87"	8.07"	10.24"	8.00"	8.00"	73.7 lbs
300	(323.9 mm)	(20 bar)	(165 mm)	(327 mm)	(205 mm)	(260 mm)	(203 mm)	(203 mm)	(33.5 Kgs)
14"	14.000"	300 psi	7.00"	14.37"	8.82"	10.86"	9.50"	12.00"	130.0 lbs
350	(355.6 mm)	(20 bar)	(178 mm)	(365 mm)	(224 mm)	(276 mm)	(242 mm)	(306 mm)	(59.0 Kgs)
16"	16.000"	300 psi	7.00"	16.38"	9.76"	11.89"	9.50"	12.00"	147.4 lbs
400	(406.4 mm)	(20 bar)	(178 mm)	(416 mm)	(248 mm)	(302 mm)	(242 mm)	(306 mm)	(67.0 Kgs)

nom. size	pipe O.D.	max. working pressure (CWP)*	dimensions						weight
			A	B	C	D	E	F	
18"	18.000"	300 psi	8.00"	18.50"	11.14"	13.78"	9.50"	12.00"	189.2 lbs
450	(457.2 mm)	(20 bar)	(203 mm)	(470 mm)	(283 mm)	(350 mm)	(242 mm)	(306 mm)	(86.0 Kgs)
20"	20.000"	300 psi	8.50"	20.75"	12.36"	15.08"	11.50"	16.00"	292.6 lbs
500	(508.0 mm)	(20 bar)	(216 mm)	(527 mm)	(314 mm)	(383 mm)	(290 mm)	(412 mm)	(133.0 Kgs)
22"	22.000"	300 psi	9.25"	22.75"	13.48"	16.81"	11.50"	16.00"	324.1 lbs
550	(559.0 mm)	(20 bar)	(235 mm)	(578 mm)	(343 mm)	(427 mm)	(290 mm)	(412 mm)	(147.0 Kgs)
24"	24.000"	300 psi	10.00"	24.76"	14.49"	17.83"	11.50"	16.00"	352.0 lbs
600	(609.6 mm)	(20 bar)	(254 mm)	(629 mm)	(368 mm)	(453 mm)	(290 mm)	(412 mm)	(160.0 Kgs)

* Working pressure is based on connection with roll- or cut-grooved standard wall carbon steel pipe.
‡ The weight includes the worm gear operator.

SJ-300F butterfly valve



The Shurjoint Model SJ-300F Butterfly Valve is a grooved-end shut-off valve equipped with a weatherproof worm gear operator and supervisory switch and wiring. The Model SJ-300F is cULus listed and FM approved for 300 psi (20 Bar, 2.0 MPa) WWP (water working pressure) service for indoor and outdoor use. Flow characteristics satisfy UL Specification 1091 and FM Approval Standard 1112. When the Model SJ-300F Butterfly Valve is used in a fire protection piping, installation shall conform to NFPA 13 and NFPA 72. The valve consists of an epoxy powder coated ductile iron body and EPDM rubber encapsulated dual-seal disc.

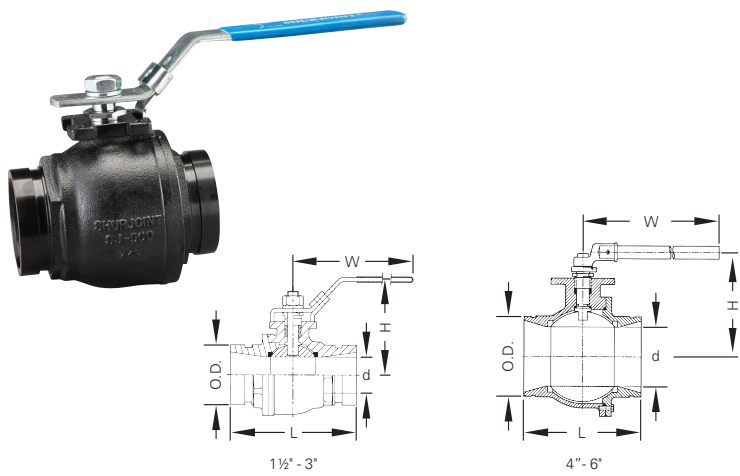
dimensions

dimensions			dimensions							
nom. size	pipe O.D.	max. working pressure (CWP)*	A	B	C	D	E	F	G	weight
2"	2.375"	300 psi	3.19"	2.56"	2.48"	4.17"	7.87"	3.62"	6.42"	16.70 lbs
50	(60.3 mm)	(20 bar)	(81 mm)	(65 mm)	(63 mm)	(106 mm)	(200 mm)	(92 mm)	(163 mm)	(7.60 Kgs)
2½"	2.875"	300 psi	3.81"	3.15"	2.68"	4.37"	8.27"	3.62"	6.42"	18.26 lbs
65	(73.0 mm)	(20 bar)	(97 mm)	(80 mm)	(68 mm)	(111 mm)	(210 mm)	(92 mm)	(163 mm)	(8.30 Kgs)
76.1 mm	3.000"	300 psi	3.81"	3.15"	2.68"	4.37"	8.27"	3.62"	6.42"	18.41 lbs
	(76.1 mm)	(20 bar)	(97 mm)	(80 mm)	(68 mm)	(111 mm)	(210 mm)	(92 mm)	(163 mm)	(8.37 Kgs)
3"	3.500"	300 psi	3.81"	3.62"	3.00"	4.96"	9.17"	3.62"	6.42"	18.92 lbs
80	(88.9 mm)	(20 bar)	(97 mm)	(92 mm)	(76 mm)	(126 mm)	(233 mm)	(92 mm)	(163 mm)	(8.60 Kgs)
4"	4.500"	300 psi	4.56"	4.65"	3.50"	5.31"	10.04"	3.62"	6.42"	21.78 lbs
100	(114.3 mm)	(20 bar)	(116 mm)	(118 mm)	(89 mm)	(135 mm)	(255 mm)	(92 mm)	(163 mm)	(9.90 Kgs)
139.7 mm	5.500"	300 psi	5.81"	5.71"	4.00"	6.61"	11.85"	3.62"	6.42"	27.08 lbs
	(139.7 mm)	(20 bar)	(148 mm)	(145 mm)	(102 mm)	(168 mm)	(301 mm)	(92 mm)	(163 mm)	(12.31 Kgs)
5"	5.500"	300 psi	5.81"	5.71"	4.00"	6.61"	11.85"	3.62"	6.42"	26.84 lbs
125	(141.3 mm)	(20 bar)	(148 mm)	(145 mm)	(102 mm)	(168 mm)	(301 mm)	(92 mm)	(163 mm)	(12.20 Kgs)
165.1 mm	6.500"	300 psi	5.81"	6.77"	4.50"	7.25"	12.95"	3.62"	6.42"	30.38 lbs
	(165.1 mm)	(20 bar)	(148 mm)	(172 mm)	(114 mm)	(184 mm)	(329 mm)	(92 mm)	(163 mm)	(13.81 Kgs)
6"	6.625"	300 psi	5.81"	6.77"	4.50"	7.25"	12.95"	3.62"	6.42"	30.14 lbs
150	(168.3 mm)	(20 bar)	(148 mm)	(172 mm)	(114 mm)	(184 mm)	(329 mm)	(92 mm)	(163 mm)	(13.70 Kgs)
8"	8.625"	300 psi	5.24"	8.74"	5.51"	8.19"	14.92"	3.62"	6.42"	38.72 lbs
200	(219.1 mm)	(20 bar)	(133 mm)	(222 mm)	(140 mm)	(208 mm)	(379 mm)	(92 mm)	(163 mm)	(17.60 Kgs)
200 JIS	8.516"	300 psi	5.24"	8.74"	5.51"	8.19"	14.92"	3.62"	6.42"	38.72 lbs
	(216.3 mm)	(20 bar)	(133 mm)	(222 mm)	(140 mm)	(208 mm)	(379 mm)	(92 mm)	(163 mm)	(17.60 Kgs)

nom. size	pipe O.D.	max. working pressure (CWP)*	dimensions							weight
			A	B	C	D	E	F	G	
10"	10.750"	300 psi	6.25"	10.87"	6.69"	9.25"	17.17"	3.62"	6.42"	59.27 lbs
250	(273.0 mm)	(20 bar)	(159 mm)	(276 mm)	(170 mm)	(235 mm)	(436 mm)	(92 mm)	(163 mm)	(26.88 Kgs)
12"	12.750"	300 psi	6.50"	12.87"	8.07"	10.24"	19.53"	3.62"	6.42"	74.97 lbs
300	(323.9 mm)	(20 bar)	(165 mm)	(327 mm)	(205 mm)	(260 mm)	(496 mm)	(92 mm)	(163 mm)	(34.00 Kgs)

(1) End to end dimensions conforms to MSS SP-67.
(2) The weight includes the worm gear operator.
* Working pressure is based on connection with roll- or cut-grooved standard wall carbon steel pipe.
† For Fire Protection pressure rating, listing, and approval information, please refer to Data Sheet B-42 or visit SHURJOINT website, www.shurjoint.com for details or contact your SHURJOINT Representative.

SJ-500L ball valve



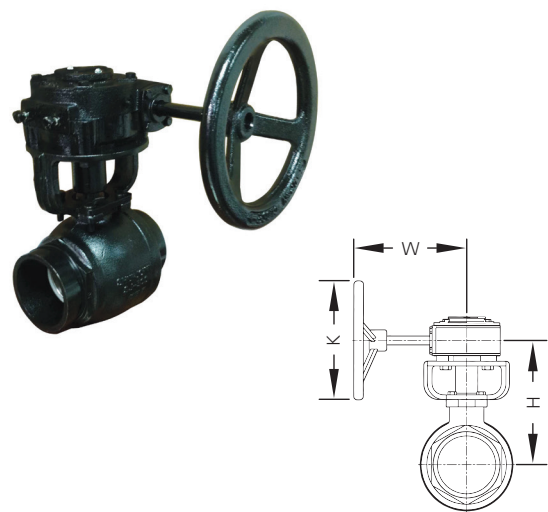
The Shurjoint Model SJ-500L is a ductile iron, grooved-end, two-piece, regular port ball valve designed and tested in conformance with MSS SP-110 and SP-72. The lever handle is equipped with tamper resistant locking holes. The SJ-500L is comprised of a ductile iron body and end cap, virgin TFE seats and chrome-plated carbon steel trim. Also available with stainless steel trim as an option.

dimensions

nom size.	pipe O.D.	max. working pressure (CWP)*	operating torque ‡	dimensions				weight
				L	H	W	d	
1½"	1.900"	1000 psi	62 lbs-in.	5.12"	3.39"	7.00"	1.25"	3.9 lbs
40	(48.3 mm)	(69 bar)	(7 Nm)	(130 mm)	(86 mm)	(178 mm)	(32 mm)	(1.8 Kgs)
2"	2.375"	1000 psi	150 lbs-in.	5.50"	3.75"	7.00"	1.50"	6.4 lbs
50	(60.3 mm)	(69 bar)	(17 Nm)	(140 mm)	(95 mm)	(178 mm)	(38 mm)	(2.9 Kgs)
2½"	2.875"	1000 psi	186 lbs-in.	6.25"	5.20"	10.43"	2.00"	9.7 lbs
65	(73.0 mm)	(69 bar)	(21 Nm)	(159 mm)	(132 mm)	(265 mm)	(50 mm)	(4.4 Kgs)
76.1 mm	3.000"	1000 psi	186 lbs-in.	6.25"	5.20"	10.43"	2.00"	9.7 lbs
	(76.1 mm)	(69 bar)	(21 Nm)	(159 mm)	(132 mm)	(265 mm)	(50 mm)	(4.4 Kgs)
3"	3.500"	1000 psi	248 lbs-in.	6.56"	5.63"	10.43"	2.50"	17.2 lbs
80	(88.9 mm)	(69 bar)	(28 Nm)	(167 mm)	(143 mm)	(265 mm)	(63 mm)	(7.8 Kgs)
4"	4.500"	800 psi	398 lbs-in.	9.45"	5.31"	14.37"	3.50"	34.5 lbs
100	(114.3 mm)	(56 bar)	(45 Nm)	(240 mm)	(135 mm)	(365 mm)	(90 mm)	(15.7 Kgs)
165.1 mm	6.500"	800 psi	531 lbs-in.	10.15"	8.70"	23.60"	4.92"	90.2 lbs
	(165.1 mm)	(56 bar)	(60 Nm)	(258 mm)	(221 mm)	(600 mm)	(125 mm)	(41.1 Kgs)
6"	6.625"	800 psi	531 lbs-in.	10.15"	8.70"	23.60"	4.92"	90.2 lbs
150	(168.3 mm)	(56 bar)	(60 Nm)	(258 mm)	(221 mm)	(600 mm)	(125 mm)	(41.1 Kgs)

* Working pressure is based on connection with roll- or cut-grooved standard wall carbon steel pipe.
 ‡ For the first opening or closing of the valve when the valve is not continuously operated, an additional torque of 2.0 – 2.5 times the listed operating torque is normally required.

SJ-500W ball valve with gear operator



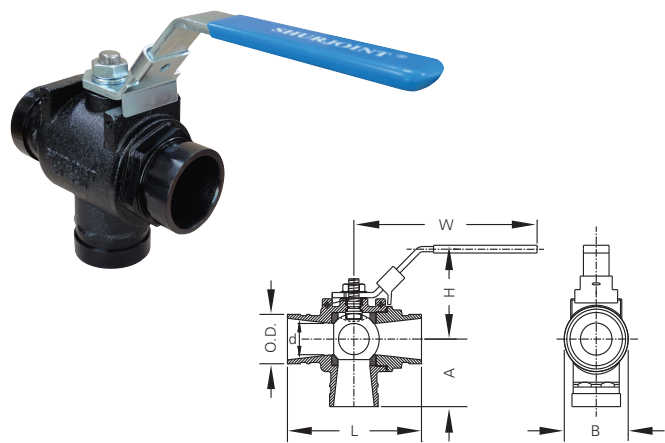
The Model SJ-500W can be equipped with a worm gear operator. The standard gear operator is supplied with a bracket and extension sleeve. The ISO 5211 mounting pad allows for the mounting of power actuators.

dimensions

nom size.	pipe O.D.	max. working pressure (CWP)*	dimensions			weight
			K	H	W	
2"	2.375"	1000 psi	5.98"	5.38"	5.98"	18 lbs
50	(60.3 mm)	(69 bar)	(152 mm)	(137 mm)	(152 mm)	(8 Kgs)
2½"	2.875"	1000 psi	5.98"	5.68"	5.98"	22 lbs
65	(73.0 mm)	(69 bar)	(152 mm)	(145 mm)	(152 mm)	(10 Kgs)
76.1 mm	3.000"	1000 psi	5.98"	5.68"	5.98"	22 lbs
	(76.1 mm)	(69 bar)	(152 mm)	(145 mm)	(152 mm)	(10 Kgs)
3"	3.500"	1000 psi	5.98"	7.16"	8.00"	31 lbs
80	(88.9 mm)	(69 bar)	(152 mm)	(182 mm)	(203 mm)	(14 Kgs)
4"	4.500"	800 psi	5.98"	8.00"	8.00"	73 lbs
100	(114.3 mm)	(56 bar)	(152 mm)	(203 mm)	(203 mm)	(33 Kgs)
165.1 mm	6.500"	800 psi	12.00"	10.89"	9.53"	123 lbs
	(165.1 mm)	(56 bar)	(305 mm)	(277 mm)	(242 mm)	(56 Kgs)
6"	6.625"	800 psi	12.00"	10.89"	9.53"	123 lbs
150	(168.3 mm)	(56 bar)	(305 mm)	(277 mm)	(242 mm)	(56 Kgs)

* Working pressure is based on connection with roll- or cut-grooved standard wall carbon steel pipe.

SJ-530 three port ball valve



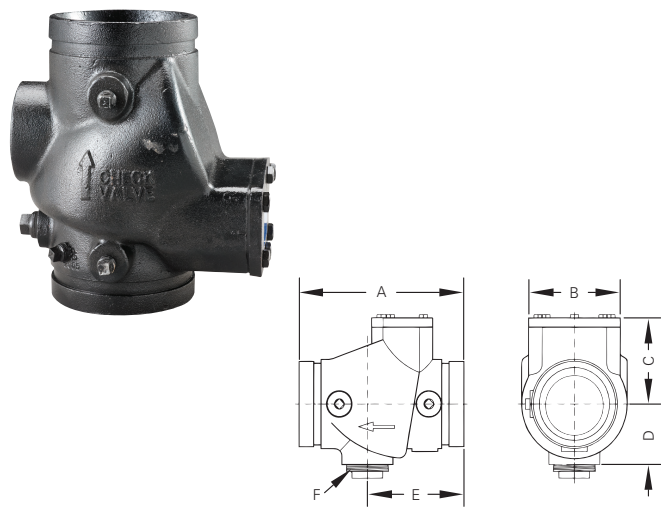
The Shurjoint Model SJ-530 is a grooved-end three-port ball valve designed to divert media from bottom inlet to either of the two outlets ports. The valve port is a regular port size and the stem features a blowout proof design to MSS SP-72 and API Standard 608. The valve body and trim materials are in compliance with NACE MR-01-75 requirements.

dimensions

nom. size	pipe O.D.	max. working pressure (CWP)*	operating torque ‡	dimensions						weight
				L	H	W	d	A	B	
2"	2.375"	600 psi	150 lbs-in.	6.55"	4.32"	8.96"	1.50"	3.25"	3.13"	7.89 lbs
50	(60.3 mm)	(42 bar)	(17 Nm)	(167 mm)	(110 mm)	(228 mm)	(38 mm)	(83 mm)	(79 mm)	(3.58 Kgs)

* Working pressure is based on connection with roll- or cut-grooved standard wall carbon steel pipe.
‡ For the first opening or closing of the valve when the valve is not continuously operated, an additional torque of 2.0 - 2.5 times the listed operating torque is normally required.

SJ-900 swing check valve



The Shurjoint Model SJ-900 Swing Check Valve is a grooved-end check valve featuring a spring-loaded wide-open clapper and a non-stick leak tight EPDM rubber seal. With a rated working pressure of 300 psi (20 Bar), the valve can be installed in the horizontal or vertical position (upward flow only). Valves are tested to API 598.

dimensions

			dimensions						
nom. size	pipe O.D.	max. working pressure (CWP)*	A	B	C	D	E	F	weight
2½"	2.875"	300 psi	7.48"	4.50"	3.75"	2.50"	4.00"	1¼"	11.0 lbs
65	(73.0 mm)	(20 bar)	(190 mm)	(114 mm)	(95 mm)	(64 mm)	(102 mm)	NPT	(5.0 Kgs)
76.1 mm	3.000"	300 psi	7.48"	4.50"	3.75"	2.50"	4.00"	1¼"	10.8 lbs
	(76.1 mm)	(20 bar)	(190 mm)	(114 mm)	(95 mm)	(64 mm)	(102 mm)	BSP	(4.9 Kgs)
3"	3.500"	300 psi	7.00"	4.50"	3.75"	2.50"	4.00"	1¼"	10.8 lbs
80	(88.9 mm)	(20 bar)	(178 mm)	(114 mm)	(95 mm)	(64 mm)	(102 mm)	NPT	(4.9 Kgs)
4"	4.500"	300 psi	8.50"	5.75"	4.60"	3.15"	5.00"	2"	18.3 lbs
100	(114.3 mm)	(20 bar)	(216 mm)	(146 mm)	(117 mm)	(80 mm)	(127 mm)	NPT	(8.3 Kgs)
139.7 mm	5.500"	300 psi	13.00"	8.58"	7.00"	4.50"	7.64"	2"	51.7 lbs
	(139.7 mm)	(20 bar)	(330 mm)	(218 mm)	(178 mm)	(114 mm)	(194 mm)	BSP	(23.5 Kgs)
5"	5.563"	300 psi	13.00"	8.58"	7.00"	4.50"	7.64"	2"	51.7 lbs
125	(141.3 mm)	(20 bar)	(330 mm)	(218 mm)	(178 mm)	(114 mm)	(194 mm)	NPT	(23.5 Kgs)
165.1 mm	6.500"	300 psi	12.00"	8.25"	7.00"	4.50"	7.00"	2"	51.7 lbs
	(165.1 mm)	(20 bar)	(305 mm)	(210 mm)	(178 mm)	(114 mm)	(178 mm)	BSP	(23.5 Kgs)
6"	6.625"	300 psi	12.00"	8.25"	7.05"	4.50"	7.00"	2"	51.7 lbs
150	(168.3 mm)	(20 bar)	(305 mm)	(210 mm)	(178 mm)	(114 mm)	(178 mm)	NPT	(23.5 Kgs)
8"	8.625"	300 psi	14.37"	10.47"	8.54"	5.50"	10.00"	2"	99.7 lbs
200	(219.1 mm)	(20 bar)	(365 mm)	(266 mm)	(217 mm)	(140 mm)	(254 mm)	NPT	(45.3 Kgs)
10"	10.750"	300 psi	20.00"	14.37"	10.75"	7.25"	10.00"	2"	217.8 lbs
250	(273.0 mm)	(20 bar)	(508 mm)	(365 mm)	(273 mm)	(184 mm)	(254 mm)	NPT	(99.0 Kgs)
12"	12.750"	300 psi	24.00"	15.51"	12.87"	8.54"	12.00"	2"	342.3 lbs
300	(323.9 mm)	(20 bar)	(610 mm)	(394 mm)	(327 mm)	(217 mm)	(305 mm)	NPT	(155.6 Kgs)
200 JIS	8.516"	300 psi	14.37"	10.47"	8.54"	5.50"	10.00"	2"	99.7 lbs
	(216.3 mm)	(20 bar)	(365 mm)	(266 mm)	(217 mm)	(140 mm)	(254 mm)	BSP	(45.3 Kgs)
250 JIS	10.528"	300 psi	20.00"	14.37"	10.75"	7.25"	10.00"	2"	216.7 lbs
	(267.4 mm)	(20 bar)	(508 mm)	(365 mm)	(273 mm)	(184 mm)	(254 mm)	BSP	(98.5 Kgs)
300 JIS	12.539"	300 psi	24.00"	15.51"	12.87"	8.54"	12.00"	2"	342.3 lbs
	(318.5 mm)	(20 bar)	(610 mm)	(394 mm)	(327 mm)	(217 mm)	(305 mm)	BSP	(155.6 Kgs)

* Working pressure is based on connection with roll- or cut-grooved standard wall carbon steel pipe.

SJ-915 dual disc check valve



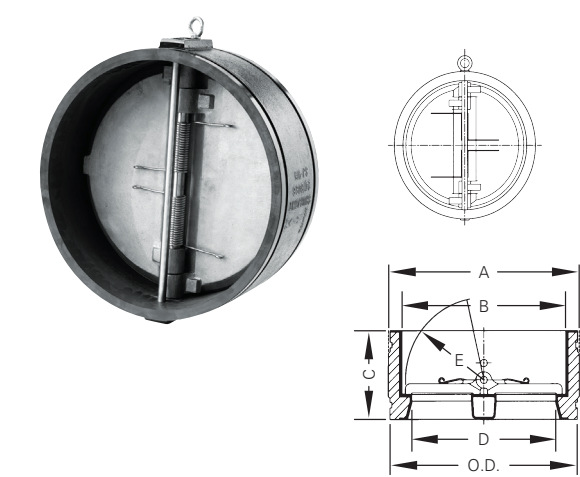
The Shurjoint Model SJ-915 is a grooved-end dual-plate (or double-door) check valve designed to provide positive and silent protection against backflow in piping systems. The valve features a ductile iron body with an EPDM or Nitrile (NBR) resilient seat molded to the body and type 304 stainless steel discs loaded with type 313 stainless steel springs.

dimensions

nom. size	pipe O.D.	max. working pressure (CWP)*	dimensions			weight
			A	B	C	
2½"	2.875"	300 psi	4.92"	4.33"	2.87"	5.0 lbs
65	(73.0 mm)	(20 bar)	(125 mm)	(110 mm)	(73 mm)	(2.3 Kgs)
3"	3.500"	300 psi	5.31"	4.92"	3.50"	5.5 lbs
80	(88.9 mm)	(20 bar)	(135 mm)	(125 mm)	(89 mm)	(2.5 Kgs)
4"	4.500"	300 psi	5.39"	5.98"	4.50"	8.4 lbs
100	(114.3 mm)	(20 bar)	(137 mm)	(152 mm)	(114 mm)	(3.8 Kgs)
6"	6.625"	300 psi	6.00"	8.03"	6.62"	18.6 lbs
150	(168.3 mm)	(20 bar)	(152 mm)	(204 mm)	(168 mm)	(7.6 Kgs)
8"	8.625"	300 psi	6.73"	10.08"	8.62"	27.3 lbs
200	(219.1 mm)	(20 bar)	(171 mm)	(256 mm)	(219 mm)	(12.4 Kgs)
10"	10.750"	300 psi	7.80"	12.09"	10.75"	45.5 lbs
250	(273.0 mm)	(20 bar)	(198 mm)	(307 mm)	(273 mm)	(20.7 Kgs)
12"	12.750"	300 psi	8.19"	14.25"	12.75"	62.2 lbs
300	(323.9 mm)	(20 bar)	(208 mm)	(362 mm)	(324 mm)	(28.3 Kgs)

* Working pressure is based on connection with roll- or cut-grooved standard wall carbon steel pipe.

† Dimensions are subject to change.

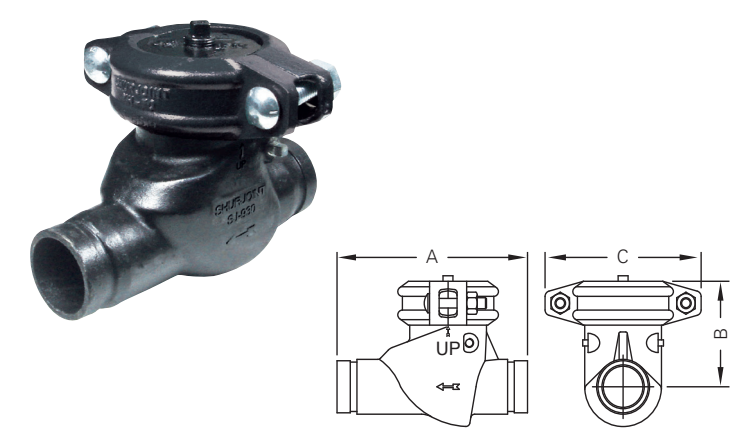


dimensions

nom. size	pipe O.D.	max. working pressure (CWP)*	dimensions					weight
			A	B	C	D	E	
14"	14.000"	300 psi	14.49"	12.96"	7.13"	11.14"	6.06"	101 lbs
350	(355.6 mm)	(20 bar)	(368 mm)	(329 mm)	(181 mm)	(283 mm)	(154 mm)	(46 Kgs)
16"	16.000"	300 psi	16.14"	14.13"	7.24"	12.20"	6.81"	119 lbs
400	(406.4 mm)	(20 bar)	(410 mm)	(359 mm)	(184 mm)	(310 mm)	(173 mm)	(54 Kgs)
18"	18.000"	300 psi	18.15"	16.42"	7.83"	14.33"	8.00"	169 lbs
450	(457.2 mm)	(20 bar)	(461 mm)	(417 mm)	(199 mm)	(364 mm)	(203 mm)	(77 Kgs)
20"	20.000"	300 psi	20.04"	18.11"	8.46"	16.06"	8.80"	211 lbs
500	(508.0 mm)	(20 bar)	(509 mm)	(460 mm)	(215 mm)	(408 mm)	(226 mm)	(96 Kgs)
24"	24.000"	300 psi	24.00"	22.13"	9.65"	18.00"	9.80"	288 lbs
600	(609.6 mm)	(20 bar)	(610 mm)	(562 mm)	(245 mm)	(457 mm)	(249 mm)	(131 Kgs)

* Working pressure is based on connection with roll- or cut-grooved standard wall carbon steel pipe.

SJ-930 horizontal swing check valve



* SJ-930 in size 4" is equipped with Shurjoint #7771 5" Rigid Coupling.

The Shurjoint Model SJ-930 horizontal swing check valves are supplied with grooved ends and are designed for general services including mining and oilfield applications. The SJ-930 features a bonnet cap which is drilled, tapped (1/2" NPT), and plugged and secured using a Shurjoint XH-70EP* coupling. The 316 stainless steel clapper is supplied standard encapsulated with Nitrile. As an option we offer Fluoroelastomer or Teflon encapsulations to meet your service requirements.

dimensions

nom. size	pipe O.D.	max. working pressure (CWP)*	dimensions			weight
			A	B	C	
2"	2.375"	1000 psi	9.00"	4.88"	5.90"	14.5 lbs
50	(60.3 mm)	(69 bar)	(229 mm)	(124 mm)	(150 mm)	(6.6 Kgs)
2½"	2.875"	1000 psi	9.25"	5.50"	7.00"	22.9 lbs
65	(73.0 mm)	(69 bar)	(235 mm)	(140 mm)	(178 mm)	(10.4 Kgs)
3"	3.500"	600 psi	10.75"	5.75"	7.40"	26.8 lbs
80	(88.9 mm)	(42 bar)	(273 mm)	(146 mm)	(188 mm)	(12.2 Kgs)
4"	4.500"	600 psi	12.00"	7.63"	8.74"	38.1 lbs
100	(114.3 mm)	(42 bar)	(305 mm)	(194 mm)	(222 mm)	(17.3 Kgs)
6"	6.625"	600 psi	16.25"	9.15"	14.32"	103.5 lbs
150	(168.1 mm)	(42 bar)	(413 mm)	(232.5 mm)	(363.8 mm)	(46.9 Kgs)

* Pressure ratings are based on cut-grooved sch. 40 or thicker pipe connected with Shurjoint XH-70EP extra heavy rigid couplings.