

MODEL SJ-915 DUAL PLATE CHECK VALVE (2½" thru 12")

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 resilient seat molded to body and type 304 stainless steel discs loaded with type 313 stainless steel springs. Groove dimensions comply with ANSI/AWWA C606.

Features:

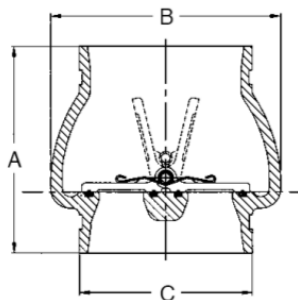
- Lightweight (up to 90% lighter than conventional swing check valves)
- Easy to install with a couple of grooved couplings, more economical than wafer or lugged valves
- The dual disc design produces less water hammer than single disc valves
- The spring-loaded disc design provides for positive closing
- The resilient seat reduces noise when slamming
- Good for horizontal or vertical installations (*see notes)



Size: 2½"-12"

Notes:

1. For horizontal use, the valve shall be installed perpendicular to the flow, or with disc pin in the vertical position.
2. For vertical use, the valve shall be installed with flow up.
3. The valve shall be installed with a distance of five (5) pipe diameters, min., downstream from pump discharge, reducers or elbows.



Model SJ-915 Dual Plate Check Valve

Nominal Size	Pipe O.D.	Max. Working Pressure (CWP)*	Dimensions#		C	Weight
			A	B		
in	in	PSI	in	in	in	Lbs
mm	mm	Bar	mm	mm	mm	Kgs
2½	2.875	300	4.92	4.33	2.87	5.0
65	73.0	20	125	110	73	2.3
3	3.500	300	5.31	4.92	3.50	5.5
80	88.9	20	135	125	89	2.5
4	4.500	300	5.39	5.98	4.50	8.4
100	114.3	20	137	152	114	3.8
6	6.625	300	6.00	8.03	6.62	16.8
150	168.3	20	152	204	168	7.6
8	8.625	300	6.73	10.08	8.62	27.3
200	219.1	20	171	256	219	12.4
10	10.750	300	7.80	12.09	10.75	45.5
250	273.0	20	198	307	273	20.7
12	12.750	300	8.19	14.25	12.75	62.2
300	323.9	20	208	362	324	28.3

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

#Dimensions are subject to change.

MATERIAL SPECIFICATIONS

- **Valve body:**
Ductile iron, ASTM A536, Gr. 65-45-12 and or ASTM A395, Gr. 65-45-15.
- **Seat (Rubber Gasket):**
EPDM
☐ Nitrile
- **Discs:**
Stainless steel Grade CF8, ASTM A351
- **Torsion Springs:**
Stainless steel type 316, ASTM A313
- **Disc hinge pin & disc stop pin:**
Stainless steel type 304, ASTM A276
- **Spacer & Washer:**
PTFE
- **Stop pin retainer:**
Steel
- **Stabilization Rubber:**
EPDM
☐ Nitrile

General Notes:

- **Maximum Working Pressure (CWP)** listed is the maximum cold water pressure for general piping services tested to ASTM F1476 and or AWWA C606 methods. Figures listed are based on roll- or cut-grooved standard wall carbon steel pipe. For other pipe schedules or pipe materials, contact **Shurjoint** for additional information.
- **Field Joint Test:** For one time only the system may be tested hydrostatically at 1½ times the maximum working pressure listed (AWWA C606 5.2.3).
- **Warning:** Piping systems must always be depressurized and drained before attempting disassembly and or removal of any components.
- **The Limited Warranty** applies to manufacturing defects only and does not cover severe service/temperature applications or wear parts.
- **Shurjoint** reserves the right to change specifications, designs and or standard without notice and without incurring any obligations.

Shurjoint product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact **Shurjoint** Technical Service. **Shurjoint** reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligations to make such changes and modifications on **Shurjoint** products previously subsequently sold.