

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:

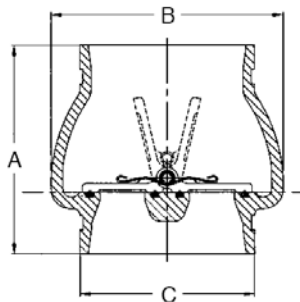
- Lightweight (up to 90% lighter than conventional swing check valves)
- Easy to install with a couple of grooved couplings, more economical than wafer or lugged valves
- The dual disc design produces less water hammer than single disc valves
- The spring-loaded disc design provides for positive closing
- 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 OD	Max. Working Pressure (CWP)*	ASME/ANSI Pressure Class Rating^ @100°F/@38°C	Dimensions#			Approx. Weight	
				A	B	C		
in mm	in mm	PSI Bar	PSI Nom. Class	in mm	in mm	in mm	Lbs Kgs	
2½ 65	2.875 73.0	300 20	300 150	4.92 125	4.33 110	2.87 73	5.0 2.3	
3 80	3.500 88.9	300 20	300 150	5.31 135	4.92 125	3.50 89	5.5 2.5	
4 100	4.500 114.3	300 20	300 150	5.39 137	5.98 152	4.50 114	8.4 3.8	
6 150	6.625 168.3	300 20	300 150	6.00 152	8.03 204	6.62 168	11.7 7.6	
8 200	8.625 219.1	300 20	300 150	6.73 171	10.08 256	8.62 219	27.3 12.4	
10 250	10.750 273.0	300 20	300 150	7.80 198	12.09 307	10.75 273	45.5 20.7	
12 300	12.750 323.9	300 20	300 150	8.19 208	14.25 362	12.75 324	62.2 28.3	

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

^ The ASME/ANSI pressure class rating is not the design or maximum pressure rating, rather is provided for those that are accustomed to specifying or using ASME/ANSI pressure class rated components such as flange, valves, etc.

#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:

- **ASME/ANSI Pressure-Temperature Rating** is provided as an aid in selecting a proper coupling to incorporate with other piping components (valves, flanges, and etc.) that are used in the same system and carry the ASME/ANSI rating. Select a Class 150 coupling to incorporate with Class 150 valves and flanges.
- **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 10 Year 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.

Job Name:	System No.	Location:
Contractor:	Approved:	Date:
Engineer:	Approved:	Date:

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.