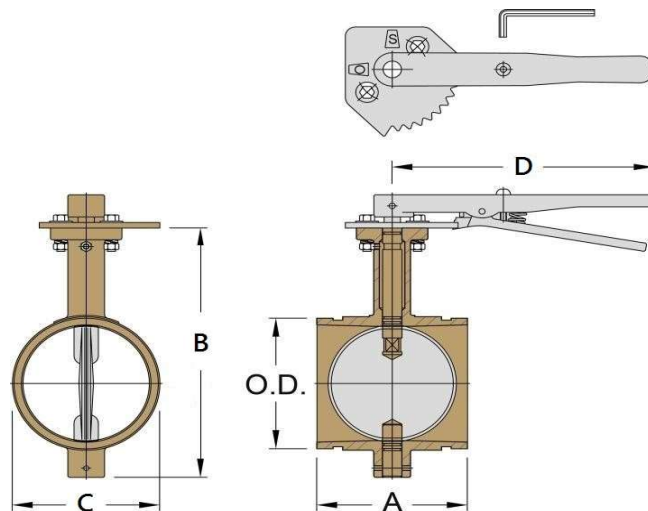


## MODEL SJ-C300 BUTTERFLY VALVE

The Model SJ-C300 is a lever handle bronze body butterfly valve designed for use with grooved copper tubing (CTS), fittings and couplings. This valve features a 10-position locking lever handle and lead-free bronze body and EPDM rubber encapsulated dual-seal disc. The lead-free bronze body conforms to ASTM B-584 copper alloy C83470 or C89836 Bismuth copper alloy. The EPDM rubber disc is classified in accordance with NSF/ANSI 61 and NSF/ANSI 372 for use in cold +86°F (+30°C) and hot +180°F (+82°C) potable water system. The SJ-C300 is UL classified in accordance with NSF/ANSI 61 and NSF/ANSI 372 for portable water use. Also available with factory installed gear operator on request.



Model SJ-C300 Butterfly Valve								
Nominal Size	Pipe O.D.	Max. Working Pressure CWP*	Dimensions					Weight
in mm	in mm	PSI Bar	A in mm	B in mm	C in mm	D in mm	Lbs Kgs	
2 50	2.125 54	300 20	3.19 81	5.31 135	2.45 57	10.0 254	5.9 2.7	
2½ 65	2.625 66.7	300 20	3.78 96	5.87 149	2.87 73	10.0 254	7.3 3.3	
3 80	3.125 79.4	300 20	3.78 96	6.42 163	3.27 83	10.0 254	7.7 3.5	
4 100	4.125 104.8	300 20	4.65 118	8.19 208	4.29 109	10.0 254	11.0 5.0	
5 125	5.125 130.2	300 20	5.28 134	9.80 249	5.36 136	10.0 254	16.9 7.7	
6 150	6.125 155.6	300 20	5.28 134	10.79 274	6.42 163	10.0 254	16.9 7.7	

\*Working pressure is for connection with roll-grooved Type K copper tubing.

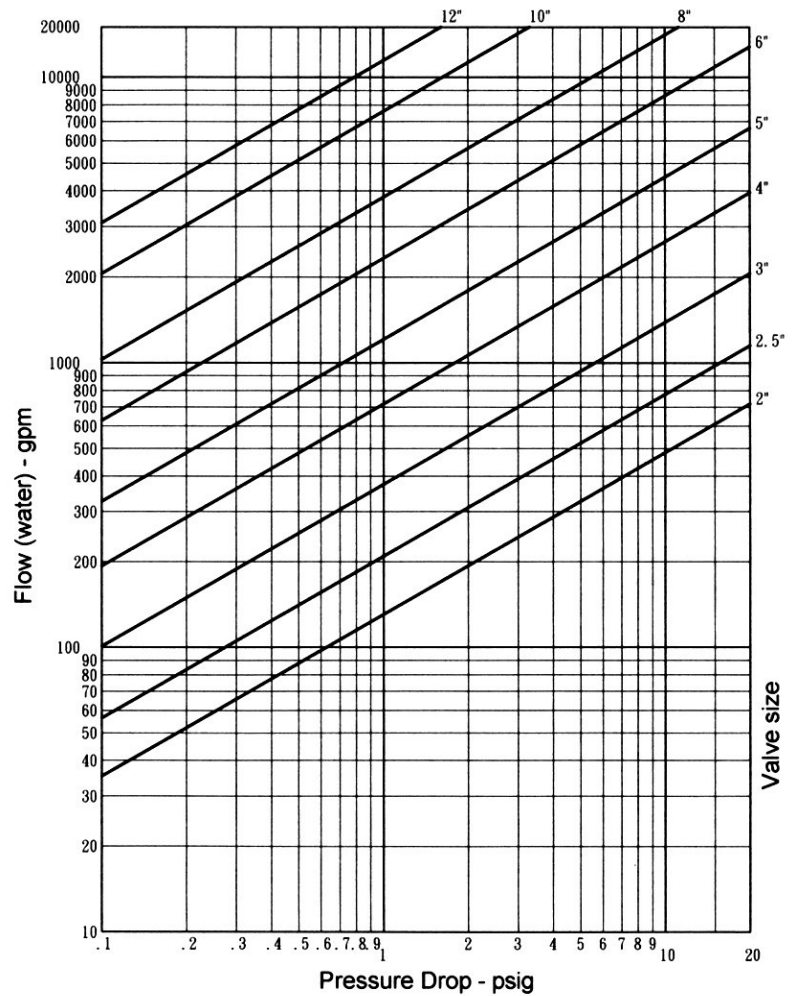
\* Please note that 2", 2½", and 3" Model C341 Flanges cannot be used for making direct connections to Model SJ-C300 Butterfly Valves due to bolt pad interference with the valve.

## Flow Data

Values for flow of water at +60°F (+16°C).

$$C_v = \frac{Q}{\sqrt{\Delta P}}$$

Where:  $C_v$  = Flow coefficient  
 $Q$  = Flow (GPM)  
 $\Delta P$  = Pressure drop (psi)



## Model SJ-C300 Butterfly Valve Torque Data

SJ-C300		
Nominal Size	Operating Torque	
	Nm	Lbs-Ft
2	8.0	6
2½	12.5	9
3	18.0	13
4	43.0	32
5	62.0	46
6	72.0	53

Breakaway Torque: 2 -2.5 times.

## MATERIAL SPECIFICATIONS

- **Valve Body:**  
Bronze casting ASTM B584 UNS C83470 or C89836.
- **Disc:**  
Ductile iron to ASTM A536 Gr. 65-45-12 and or ASTM A395, Gr. 65-45-15 encapsulated with EPDM.
- **Disc Encapsulation:**  
Gr. E-pw EPDM (Color code: Double Green Stripes), Good for cold +86°F (+30°C) and hot +180°F (+82°C) potable water services. EPDM is UL classified per NSF/ANSI 61 and NSF/ANSI 372. For additional details contact **Shurjoint**.
- **Upper & Lower Shafts:**  
Stainless steel Type 410 of ASTM A182.

### 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-grooved Type K-ASTM B-88 copper tubing. For more information on other types contact **Shurjoint**.
- **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.
- **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.*