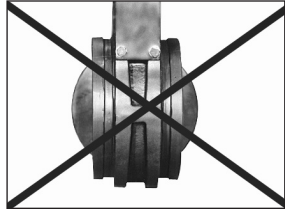


# BUTTERFLY VALVE INSTALLATION AND OPERATION

For installing a Victaulic butterfly valve into a piping system, follow the instructions supplied with the coupling. Refer to the notes below for applications/limitations.

## DO NOT INSTALL BUTTERFLY VALVES INTO THE SYSTEM WITH THE DISC IN THE FULLY OPEN POSITION.

When using butterfly valves for throttling service, Victaulic recommends the disc to be positioned no less than 30 degrees open. For best results, the disc should be between 30 and 70 degrees open. High pipeline velocities and/or throttling with the disc less than 30 degrees open may result in noise, vibration, cavitation, severe line erosion, and/or loss of control. For details regarding throttling services, contact Victaulic.



Flow velocities in copper piping systems are typically limited to 5 feet/second (1.5 m/second). When higher flow velocities are necessary, contact Victaulic.

Victaulic butterfly valves are designed with grooved ends for use with grooved pipe couplings. If flange connections are required, refer to the following notes regarding Vic-Flange Adapter restrictions.

When directly connecting an end cap to a butterfly valve, use only a tapped end cap for pressure relief. If the butterfly valve is opened then closed unknowingly while the end cap is attached, the space between the disc and end cap will be filled and pressurized. A sudden release of energy can occur if the end cap is removed while the space behind it is pressurized. **PRESSURE MUST BE VENTED THROUGH THE TAP BEFORE ATTEMPTING TO REMOVE THE CAP.**

## DANGER



- When directly connecting an end cap to a butterfly valve, use only a tapped end cap for pressure relief.
  - Pressure must be vented through the tap before attempting to remove the cap.
- Failure to follow these instructions could result in death or serious personal injury.

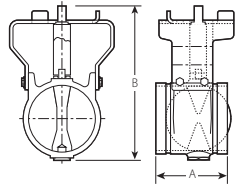
## Series 608 Copper Connection Butterfly Valve

- Style 641 Vic-Flange Adapters can be used only on one side of 2½ - 6-inch/66.7 – 155.6-mm Series 608 Butterfly Valves.

# VALVE FOR GROOVED-END COPPER TUBING

## Series 608 – Butterfly Valve

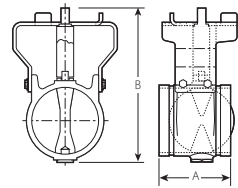
Copper Tubing Size	“A” End-To-End Dimension	“B” Overall Height Dimension
Nominal Size inches/mm	inches/mm	inches/mm
2½ 66.7	3.77 95.8	6.12 155.4
3 79.4	3.77 95.8	6.58 167.1
4 104.8	4.63 117.6	9.25 235.0
5 130.2	5.88 149.4	10.13 257.3
6 155.6	5.88 149.4	11.15 283.2



Series 608

## Style 608 (Australian Standard) – Butterfly Valve

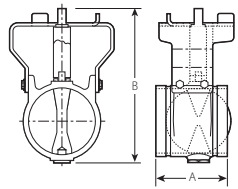
Copper Tubing Size	“A” End-To-End Dimension	“B” Overall Height Dimension
Nominal Size (Actual Size)	inches/mm	inches/mm
DN 65 (63.5)	95.8 3.77	151.9 5.98
DN 80 (76.2)	95.8 3.77	164.1 6.46
DN 100 (101.6)	117.6 4.63	226.3 8.91
DN 125 (127.0)	149.4 5.88	249.4 9.82
DN 150 (152.4)	150.1 5.91	273.6 10.77



Series 608 (Australian Standard)

## Series 608 (European Standard) – Butterfly Valve

Copper Tubing Size	“A” End-To-End Dimension	“B” Overall Height Dimension
Nominal Size mm/ Actual inches	inches/mm	inches/mm
66.7	95.8	121.2
2.625	3.77	4.77
76.1	95.8	136.9
3.000	3.77	5.39



Series 608 (European Standard)