

WAFER-SPHERE® BUTTERFLY VALVES FOR OXYGEN SERVICE

Wafer-Sphere high performance butterfly valves are available specially prepared for oxygen service, capable of filling a wide range of oxygen applications that include both on-off and proportional control.

FEATURES

- Patented one-piece flexible lip PTFE seat that assures leaktight shutoff
- Offset disc lifts off the seat as it opens to limit wear and promote cycle life
- Stainless steel-PTFE shaft bearings never need lubrication
- Rigid cleaning procedures virtually eliminate contaminants
- Standard valves equipped with PTFE shaft seals

Common materials of construction for *Wafer-Sphere* valves used in oxygen service are Monel® body with Monel disc; 316 Stainless Steel body with Monel disc; 316 Stainless Steel body and disc; Carbon Steel body with 316 Stainless Steel disc.

A rigid procedure is followed to assure cleanliness of *Wafer-Sphere* valves specified for use on oxygen service because of the inherent danger of oxygen reacting with any grease, oil, or combustible material left in a piping system. All parts are first carefully examined to make sure they are free of burrs, chips, or other foreign matter. They are then thoroughly solvent cleaned, washed, rinsed, and finally dried with oil-free nitrogen.

The valves are assembled without using lubricants. They are then tested on designated equipment using special tools that have been cleaned in the same manner as valve components. Valves are hydrostatically tested with water, gas tested for leaktight sealing, then dried with oil-free nitrogen. After being tagged to identify them as having been processed for oxygen service, valves are sealed in clear polyethylene bags.



HOW TO ORDER

Wafer-Sphere valves prepared for oxygen service have the letter "O" succeeding the figure designation, i.e., Fig. 815LO-11-3671TT.

Please refer to the bulletins listed below for detailed information on *Wafer-Sphere* high-performance butterfly valves.

	Bulletin
2-1/2" - 60" (DN 65 – 1500) ANSI Class 150 <i>Wafer-Sphere</i> Valves	W101-6
30" – 60" (DN 750 – 1500) Process Rated, Class 150, Series 835 <i>Wafer-Sphere</i> Valves	W105-1
3" – 36" (DN 80 – 900) ANSI Class 300 <i>Wafer-Sphere</i> Valves	W101-6
3" – 24" (DN 80 – 600) ANSI Class 600 <i>Wafer-Sphere</i> Valves	W104-1

Subject to change without prior notice.

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