

Flo-Tite, Inc.

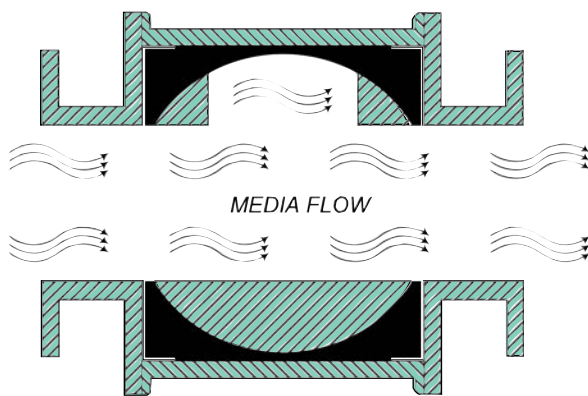
Valves & Controls

ENGINEERED SOLUTIONS

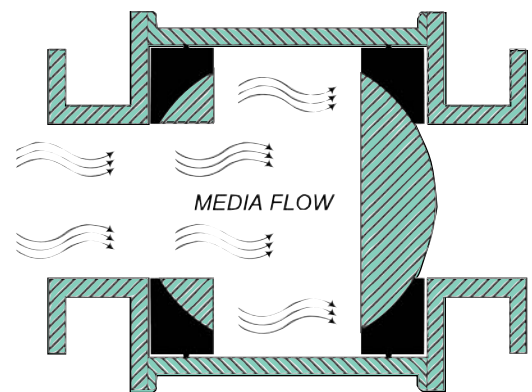
Flo-Tite Unique Ball Designs allows for the use of Ball Valves in applications where never before possible.

Open - Port Ball Valve

Flo-Tite's Open - Port ball design leaves only the up stream sphere in its completeness. The down stream sphere is exposed and completely open to the valve cavity and the down stream pipeline. This unique ball design also eliminates media from being trapped or captured in the interior of the valve ball when the valve is in the closed position. This design also allows for an easier flushing action when the ball is in its intermediate position.



Valve shown in open position with full body cavity filled



Valve shown in closed position with standard seating

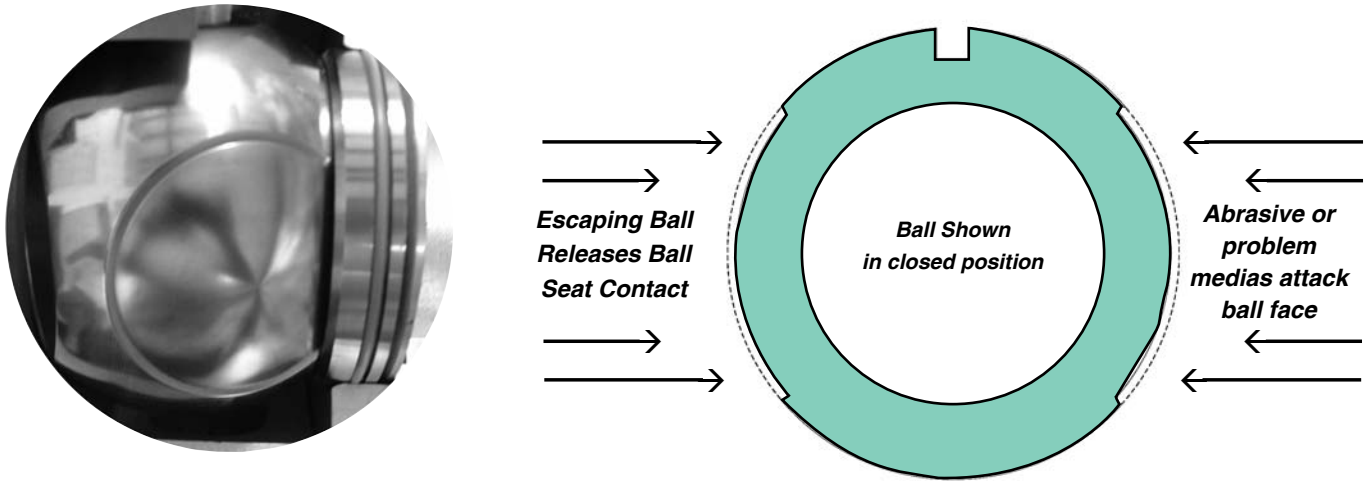
Trapped media in body cavity

Many Flo-Tite valves can be supplied with full body cavity fillers. Cavity fillers fill the void normally found behind the ball and the valve body in conventionally designed ball valves. This assures that no media is allowed to become trapped above, below or around the valve ball and the body cavity. Cavity fillers prevent freezing or seizing, while also reducing the possibility of cross contamination of medias.



FLO-TITE'S UNIQUE ESCAPING BALL DESIGN

Unique Problem solving ball designs eliminate most common problems found in the typical ball valve.



Our escaping ball valve design is the ideal solution for critical conditions that lead to ball valve failure

- A) Pitting and Scaring of ball face
- B) Scale build up on ball face
- C) Excessive high torque

REFINED. BY DESIGN.
DIFFERENT. BY DESIGN

A special ball designed to eliminate ball valve failures. Extremely difficult applications such as corrosive liquors that pit and scar the ball face or build up of damaging fluid deposits which also occur on the ball face. Both causing the critical smooth ball surface to become rough and dull rendering the valve inoperative. Either occurrence will also damage the ball seats adding to excessive costly valve rebuilding.

Flo-Tite's escaping ball design relieves ball-seat contact during the 90-degree rotation. Full ball seat contact is made at the beginning and at the end of the valves 90-degree stroke. This limited contact results in longer life with lower operating torques and improved overall performance. The escaping ball design is an exceptional design for metal seated valves when class VI shut-off is required.

OPTIONAL

"Chem-TEK" is a special material impregnated directly into all wetted surfaces that prevents the build up of scale commonly found in Green liquor and other severe applications.

CHROME PLATING

- Chrome plated ball has better corrosion resistance in seawater, sour gas, and oil service.
- Mirror polish surface reduces torque, smooth surface improves service life of the soft seats.
- Chrome plated ball works well in food service, no contamination sticks to ball surface.
- Throttling service reduces corrosion and improves cavitation resistance.
- Slurry service improves erosion resistance.