



UNIQUE VALVE DESIGN FEATURES

Flo-Tite's high performance stem assembly design offers safety and an exceptionally long service life reaching 100,000 plus cycles. Our live-loaded, self-adjusting stem seal design and I-SO Mount Actuator Mounting Pad make Flo-Tite ball valves an excellent choice for all of your manual & automated valve applications.

Stem Design

Flo-Tite offers two heavy-duty, high-quality stem designs, both with double "D" stem flats, which simplify lever mounting and always designate direction of flow. All stems are internal entry and are of an anti-blow out design to ensure maximum safety.

Unique Stem Assembly Size 1/4" thru 2"

Stem assemblies are live-loaded with self-adjusting Belleville washers. They automatically adjust for thermal expansion and compensate for stem and seat wear. This design is secured by a saddle-type lock washer which prevents stem nuts from unthreading in high-cycle automation applications.

Double Lock-Nut Design

Allows for convenient handle removal, permitting the user to remove the handle without interfering with line pressure.

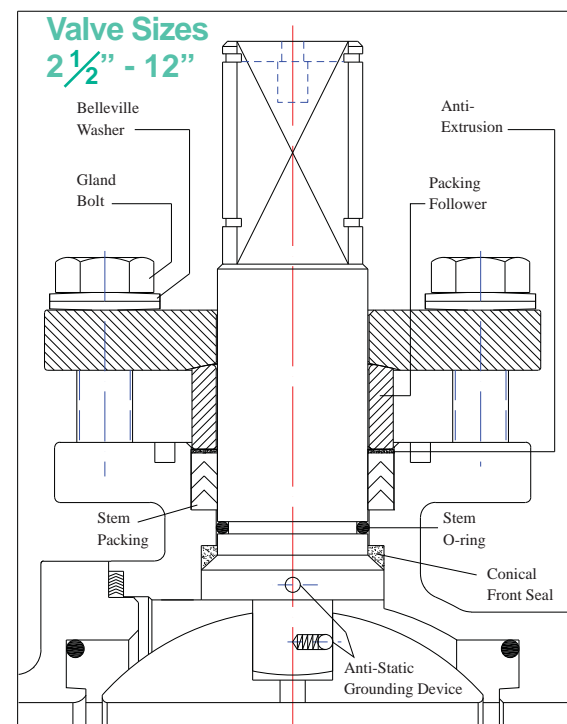
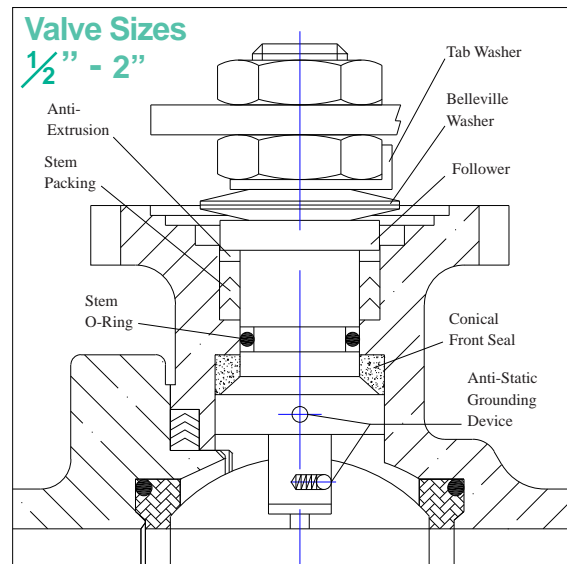
Size 2-1/2" thru 12"

The stem is guided by the valve body and the packing gland. This assures smooth operation even when line media may create high torque. The packing gland is also adjustable. All stems are polished to minimize operating torques.

I-SO Mount

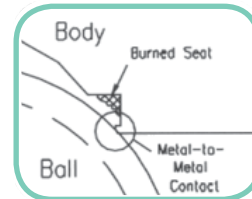
All Flo-Tite valves have integrally casted Actuator Mounting Pads which comply with ISO5211. This high-end design provides positive mounting and eliminates unwanted actuator movement during high cycle or modulating applications.

Flanged Valve Designs

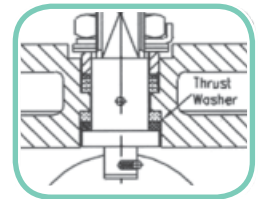


FIRE SAFE DESIGNS

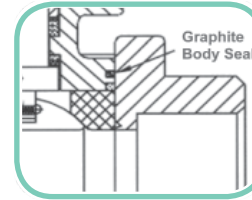
All **Flo-Tite's** flanged end ball valves are fire tested and certified to API 607 4th edition. Threaded and weld end valves are also fire-certified in our three piece Tri-Pro and Fusion Series 1/4" through 4" inch. Flo-Tite's standard design features: secondary metal seals, graphite body seals, and anti-static ground.



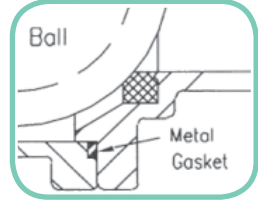
Seat-Fire Safe Design



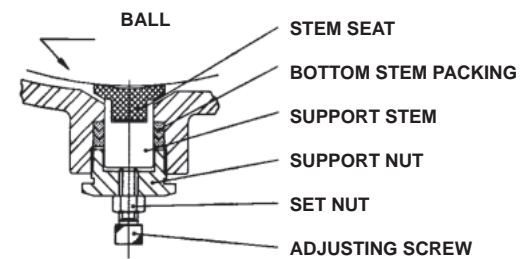
Thrust Washer



Body Seal HPF



Body Seal F150/F300



BALL SUPPORT

Flo-Tite's ball support is a valuable design feature available on our larger-sized valves. It maintains a constant ball seat profile which dramatically improves valve performance resulting in smoother, more efficient valve operation with lower operating torques, less seat damage, less seat wear, and longer service. Featured in Model F150 - 10" and 12"; SF150 - 12"; F300 - 6", 8", 10", and 12". Consult factory for more information.

ANTI-STATIC GROUNDING DEVICES

These devices are built into the valve stem to ensure electrical continuity between valve ball, stem, and body, thus eliminating the concerns for static electrical charges creating sparks within the valve.

SEAT DESIGN

Most **Flo-Tite** valve models utilize our specially designed resilient seats which are slotted to relieve pressure past the upstream seat. This reduces friction, minimizes seat damage, and lowers operating torque.

STANDARDS

All valves are manufactured in strict adherence to internationally recognized standards and specifications, including: ANSI/ASME, API, NACE, BS5351, and ISO.

CATALOG

One of our most important features is our easy-to-read literature. Each catalog page provides all the required, vital technical information.

DESIGN FEATURES

The **Flo-Tite** valve is the culmination of many years of design and development. **Flo-Tite** has concentrated its efforts on the refinement of the basic ball valve design. The high quality, standard features found in the **Flo-Tite** valve, separate us from our competitors and maintain our position as an industry leader with a totally advanced design ball valve.

**WHERE SAFETY, QUALITY, AND EXPERIENCE
ARE COUPLED WITH PERFORMANCE AND VALUE.**