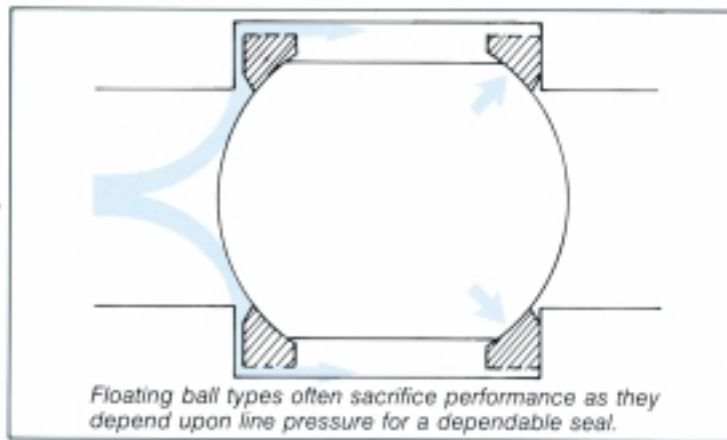


Beveled Edge Ball Design The Geometry Is The Difference

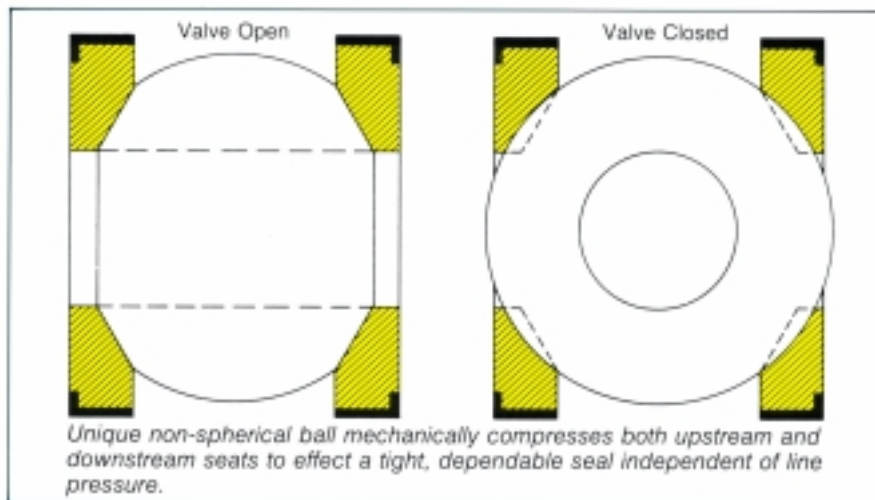
First introduced in 1979, the Cam-Tite Ball Valve has developed a reputation for performance unequalled by conventional floating ball designs. The difference is in the ball, where around the port edge the spherical surface is cut away, forming a bevel that passes completely around the port opening. This is one

of the most important design features of the Cam-Tite Ball Valve since it is the difference in the effective distance across the beveled surfaces and the distance across the spherical surface that actually energizes the seat when the valve is closed.

Conventional Floating Ball Design



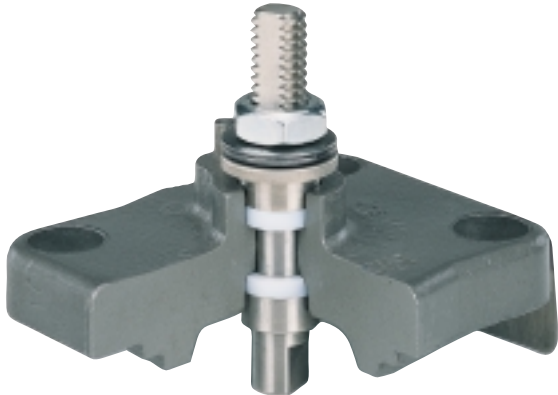
Cam-Tite® Design



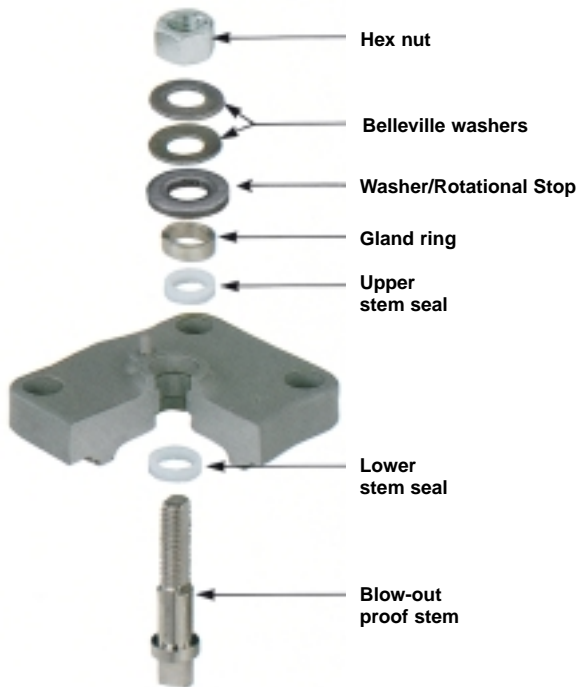
Benefits

- Minimizes pressure on seats to reduce cold flow and extend seat life.
- Eliminates the problem of “breakaway torque” in valves that must rest in the open position for long periods.
- Assures positive sealing regardless of line pressure or pressure differential.
- Eliminates seat damage caused by the leading edge of the ball port cutting into the seat as the ball closes.

Superior Stem Seal Design Low Torque Makes The Difference



Most stem seals would work well if their only job was to contain the fluid or gas in the piping system. However, stem seals must also serve as bearings and hold the stem in alignment. High operating torques resulting in high lateral loading cause premature stem seal failure in conventional ball and plug valve designs. The Cam-Tite Ball Valve is by design a low torque valve, thereby minimizing lateral loading on the stem seals. In addition, the Cam-Tite stem seals are located further apart, closer to the ends of the stem, reducing the effects of lateral loading.



Cam-Tite Ball Valve Seal Assembly Features and Benefits

- Low operating torque reduces lateral loads on stem seals for superior performance.
- Blow-out proof stem with special attention given to surface finish.
- Upper and lower seals provide balanced loading of stem seals
- Standard belleville spring washers provide constant "live load" on stem seals, assuring a tight seal under varying service parameters.