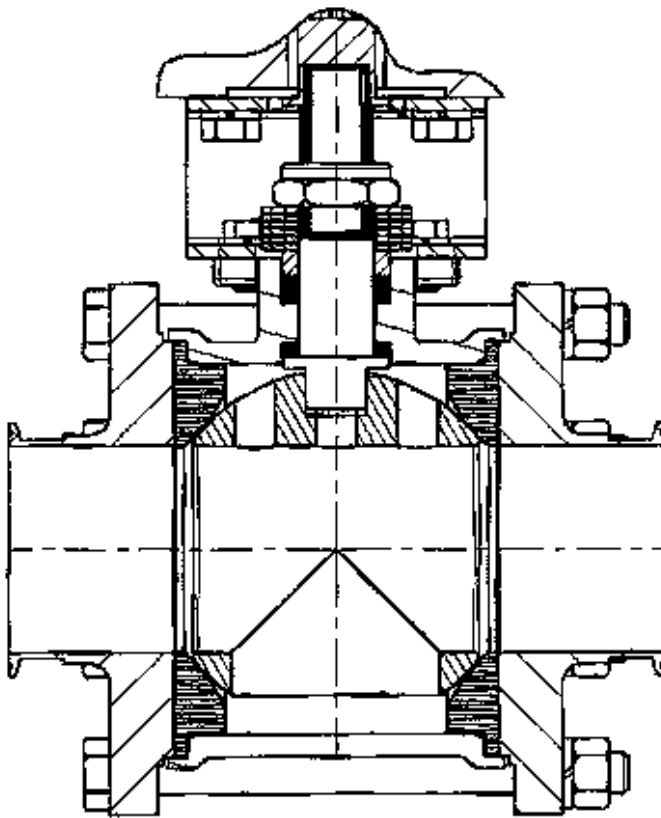




Self Flushing Balls



Valve above is shown in open position.

Self flushing balls are also available in diverter port and multi-port valves. No operating features are sacrificed when using self-flushing balls in these 3, 4 and 5 way valves.

One of the biggest criticisms of ball valves is product being trapped in the cavity. When the lines are flushed, or undergo CIP or SIP, the product remains in the cavity and only re-enters the flow stream when the valve is cycled. To avoid this possible source of contamination, the valve must be cycled several times during the cleaning process to flush out the cavity.

PBM self-flushing balls join the cavity of the valve with the piping when the valve is open. The holes allow product to fill the cavity just as it fills the piping. When flushing the lines, the cleaning fluid fills the cavity and displaces the product.

The cleaning principal is nothing more than fluid turbulence. Just as a short blind tee is acceptable and will clean, the valve cavity acts as a short tee so that turbulence will clean it as well. Tests at PBM using hard to flush lotions and shampoos confirm this principal. These tests were conducted with 160°F flush water at the minimum specified flush velocity of 5 feet per second with excellent results.

What features are given up when self flushing balls are used? Not a one. The valves remain double seated and seal in either direction when closed.