Fumagalli S.p.A

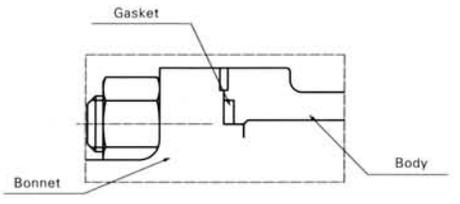
Milano - Roma - Italy

V A L V E S

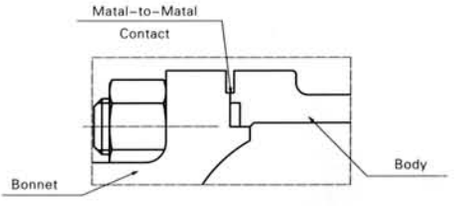
Floating Ball Valves

floating type ball valves are manufactured to BS 5351 specification, tested to BS 6755/API 598. The construction is the side entry type full port and end entry/side entry type reduced port. All valves are lever operated, the gear operator or the actuator are supplied at demand. The following are some of the major design features:

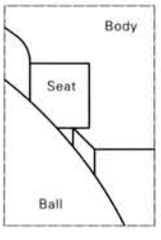
1.**Fire Safe:** Designed and tested to BS 5146/API 607 to grant their operation suitability in case of fire.



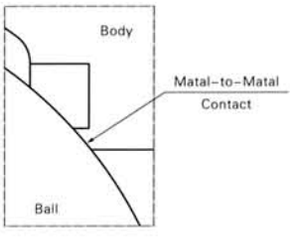
Before fire



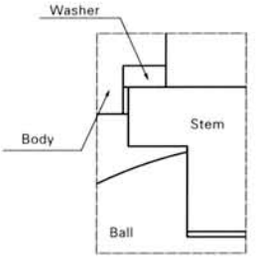
After fire



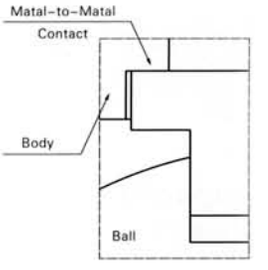
Before fire



After fire

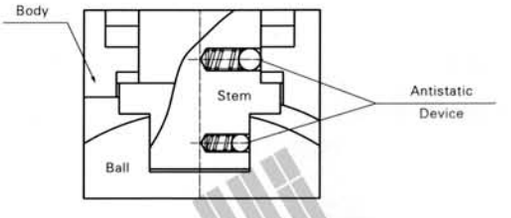


Before fire

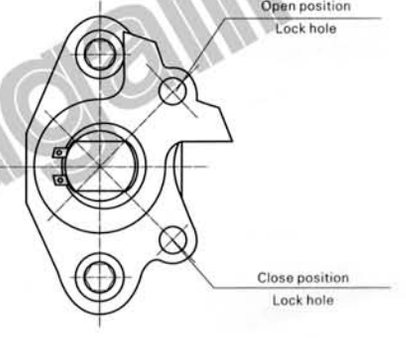


After fire

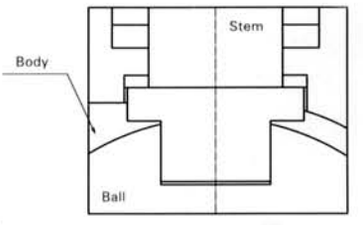
2.**Antistatic:** A metallic contact is always granted between ball and stem/body to discharge eventual statics build-up during service.



3.**Locking Device :** To avoid misoperation, the valve may be locked by open or closed position locking device with popular padlock design. It's very important to lock the valve to prevent the valve from being operated by error, especially when the valve is installed in field or the valve should not be opened or closed during technical process.



4.**Blowout Resistance of Stem:** To prevent stem from being blow out by the pressure entrapped in valve cavity when the fluid flows through the valve, the lower part of stem is incorporated with a raised collar. In this case, should the stem packing, thrust-washer be destroyed by fire or such damages cause by any other reason, the fluid pressure in valve body pushes stem's raised collar closely against the upper sealing sureface of the body to avoid fluid leakage.



5.**Easy Maintenance:** A very limited number of components and easily accessible.

6.**Low Torque:** Although the seats are preloaded against the ball producing a friction between ball and seats with no pressure in the valve, as soon as the valve is pressurized such a friction decreases in a remarkeable way since the ball is floated against the down stream seat freeing the upstream one.