



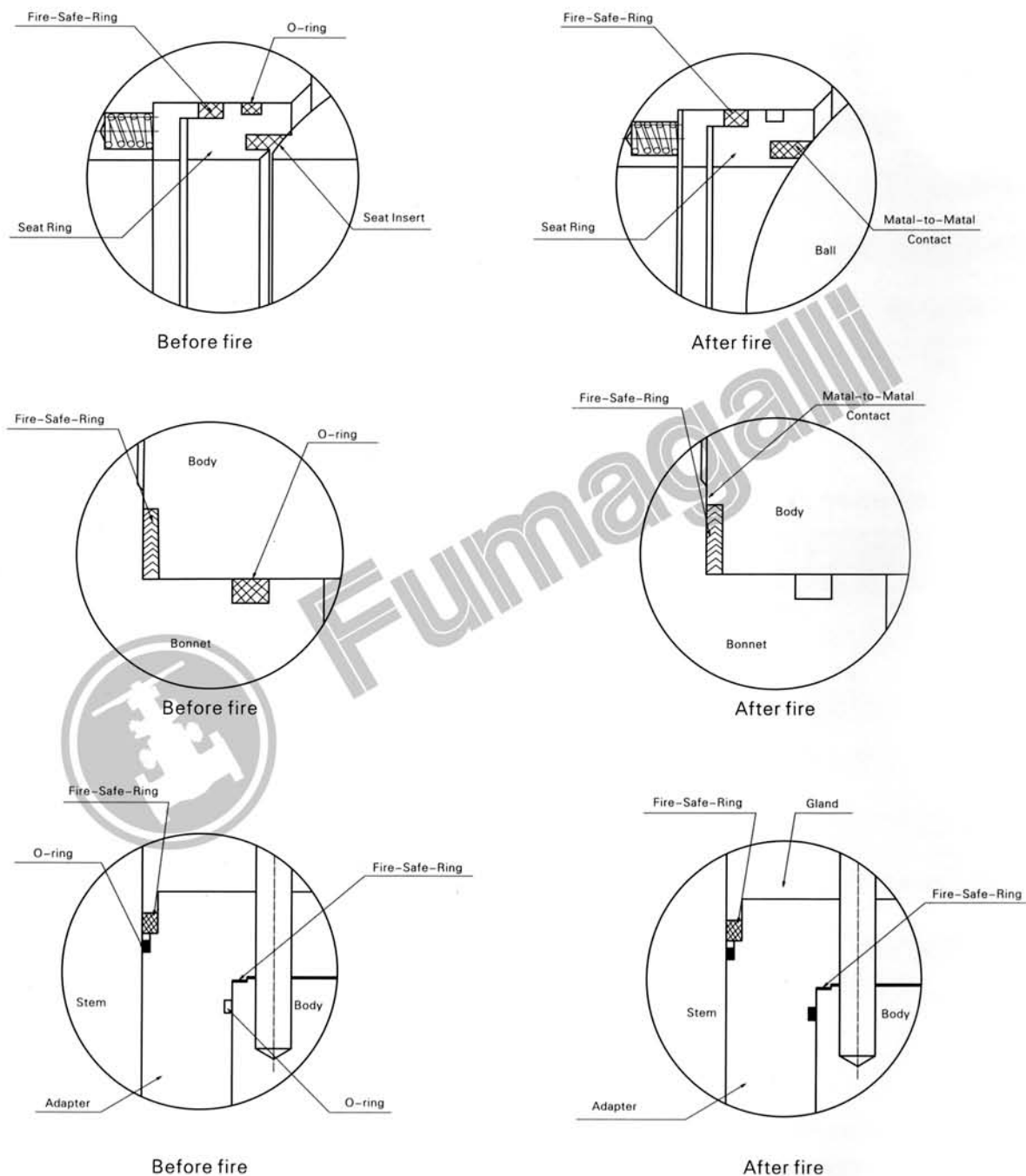
Fumagalli S.p.A
Milano - Roma - Italy

V A L V E S

Trunnion Mounted Ball Valves

trunnion mounted type ball valves are manufactured to API 6D specification and tested to API 598/API 607. The construction is side entry three pieces full and reduced port. The valves are lever operated and where recommended or when required are gear operated or actuated. The following are some of the major design features:

1.fire-safe: All size and pressure classes have been seccesfully fire-safetested according to the relevant API and BS specifications. Test certifications are available on request.



2.Antistatic: Electrical continuity of all valve components, prevent statics buil-up.

3.Double Block & Bleed: The body cavity is isolated when the ball is in either fully closed or fully opened position, the medium entrapped in it can easily be bled to avoid overpressure.

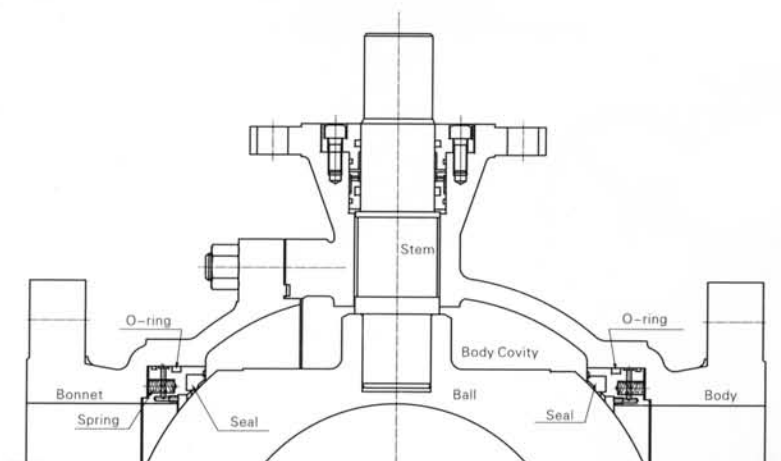


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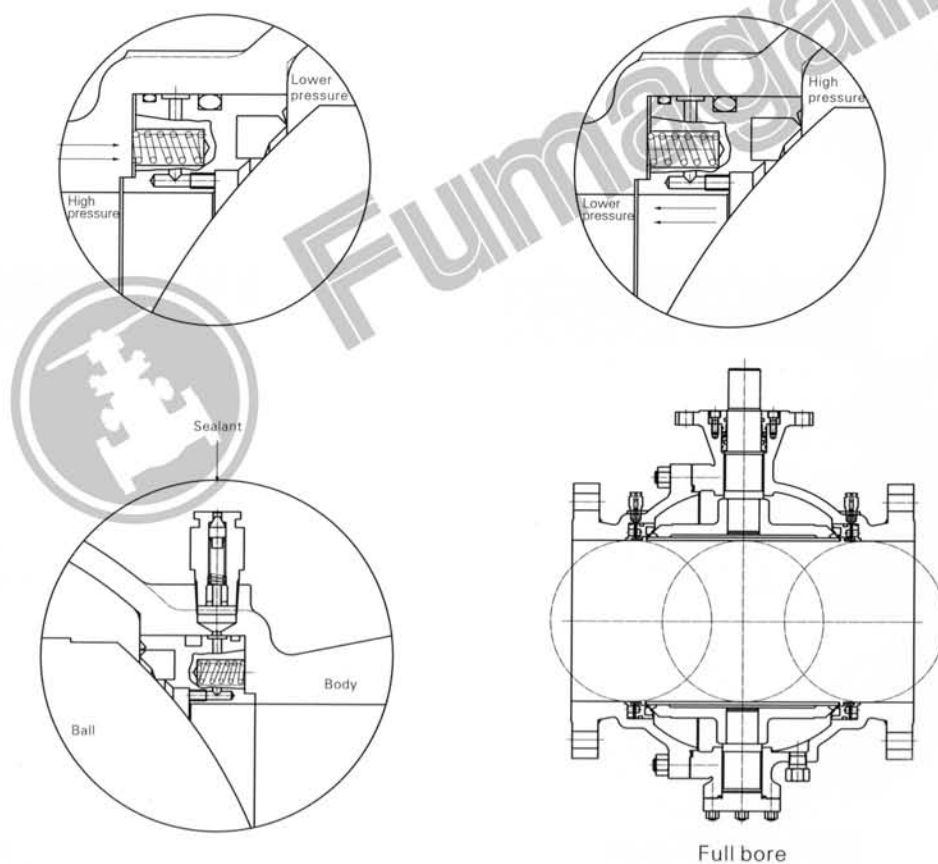
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4. Seat Ring Sealing: as line pressure increases, our seat design originates a piston effect forcing the sealing resilient insert against the ball. In absence of the pressure or with low pressures, the seats are forced against the ball by the set of preloaded springs. (see sketch)

5. Pressure relieving: If excessive pressure builds up in the body cavity exceeding the seats spring pressure, the seat automatically relieves.



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

7. Low Torque: Although the seats are preloaded against the ball producing a friction between ball seats with no pressure in the valve, as soon as the valve is pressurized such a friction decreases in a remarkable way since the ball is floated against the downstream seat freeing the upstream one