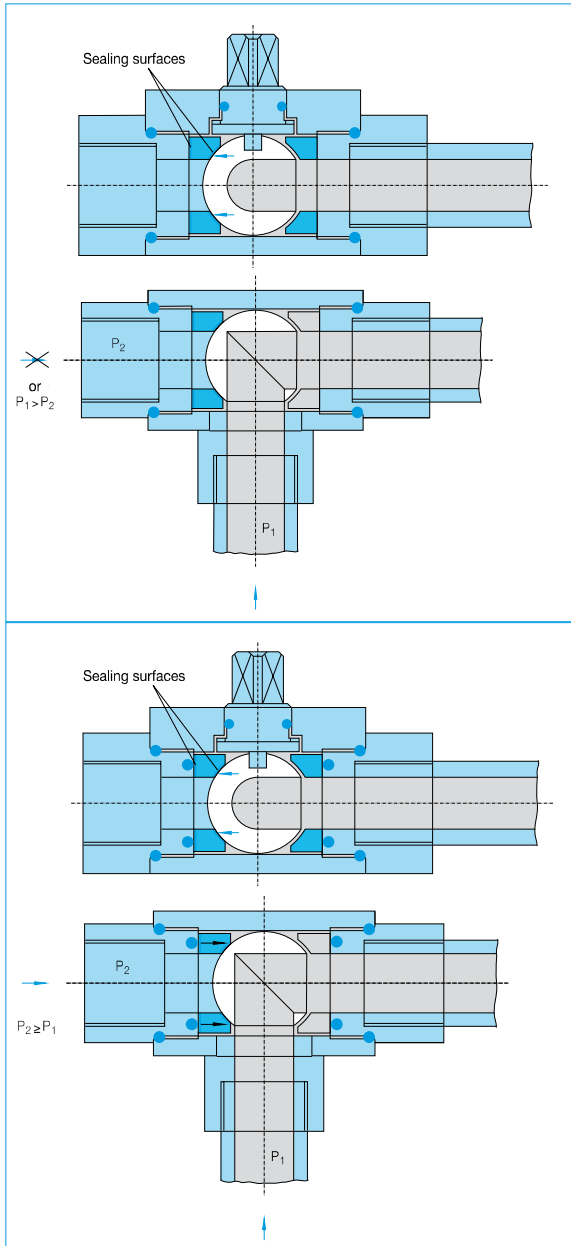


Design principle of multi-way ball valves with floating ball



Bearing:
The seats also serve as the bearings for the floating ball.

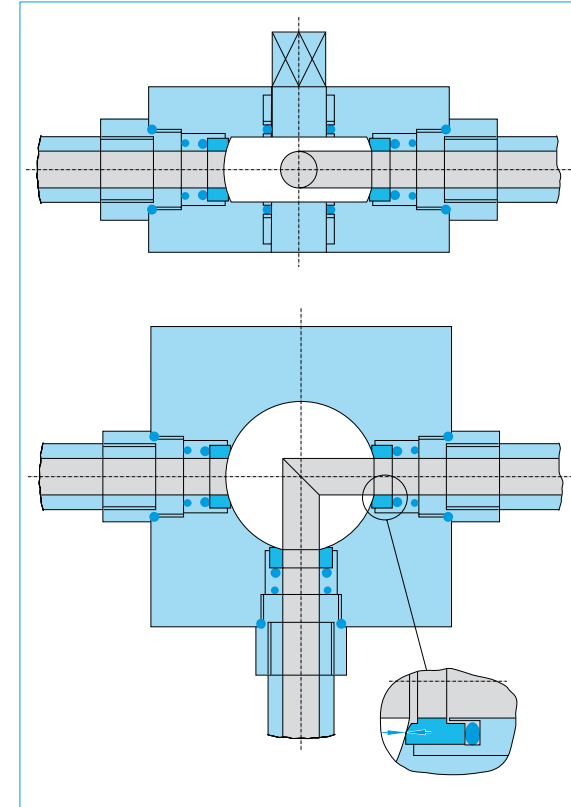
Sealing:
Medium pressure will force the ball into the seat on the downstream side, forming a tight seal, provided the pressure in the lines which are joined is greater than the pressure in the line which is closed off. Leakage will be encountered if the pressure in the closed line is equal to or greater than that in the other lines.

Leakage:
A - DIN EN 12266-1
(No visibly detectable leakage during the time of inspection)

A.D.-VERSION:
If the pressure from the closed port is higher or equal, the seat at the closed port is pressed against the ball and is sealing tightly.

Leakage:
A - DIN EN 12266-1

Design principle of multi-way ball valves with trunnion ball



Bearing:
The seats also serve as the bearings for the floating ball.

Sealing:
Tight seal at the trunnion ball due to pressure equalized Rötelnmann telescopic seal.

Leakage:
A - DIN EN 12266-1
(No visibly detectable leakage during the time of inspection)

