

# Installation Instructions for ABO Butterfly Valves Series 2E-5

## A) Valve installation

- 1) When manufactured, valves with a carbon steel body (marked 55.0) are preserved using the oil preservative RUST-PEL 51. (If stored longer than 6 months, a new preservation treatment is recommended).  
Prior to putting into operation the preservation on the valve body needs to be removed using a warm aqueous solution containing a common detergent or solvent such as E 550 CLEAN etc.
  - 2) Prior to the installation please ensure that the valve does not show any signs of damage.
  - 3) Check the free rotation of the butterfly inside the valve body.
  - 4) Close the valve.
  - 5) Insert the gasket – See Fig. A.
  - 6) Insert the valve.
- IMPORTANT:** The arrow on the body marks the direction of  $\Delta p$ . Counter-flanges have to be parallel and aligned. Do not use loose flanges. For T type bodies with threaded holes: ensure that the screws are not in contact when fully tightened.
- 7) Centre the valve in alignment with the axis of the piping.
  - 8) Put the appropriate bolts through the flanges and tighten by hand.
  - 9) Open and close the valve to check its smooth function.
  - 10) Close the valve and tighten the bolts alternatively using a wrench.
  - 11) Open and close the valve again to check its proper function.

## B) Valve disassembly

- 1) Check carefully to ensure that the piping is not under pressure!!!
- 2) Close the valve.
- 3) Remove the bolts.
- 4) Remove the valve from the piping and counter-flange area.

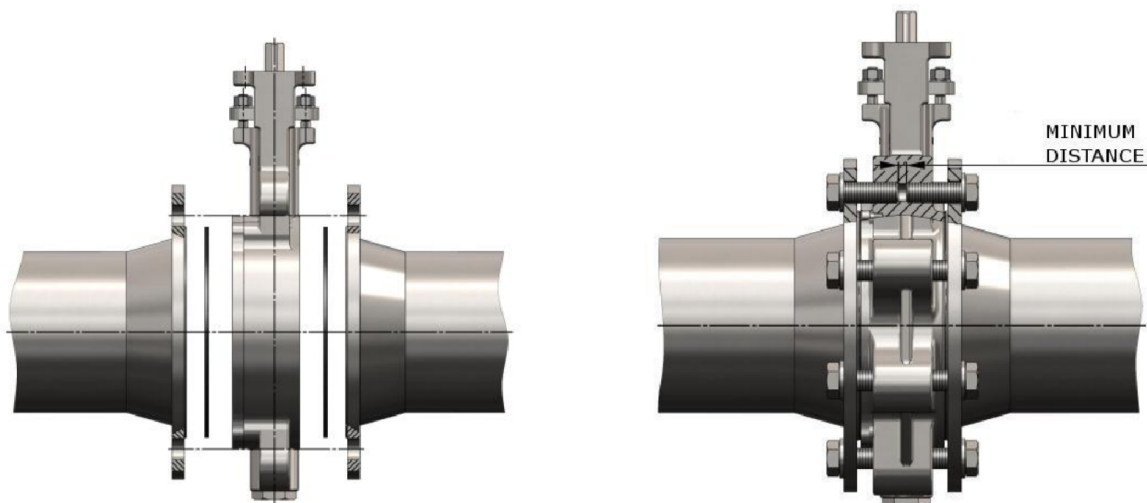


Figure A

Figure B