

## Installation Guidelines, Operating and Maintenance Instructions

1. The Face to Face dimension comply with EN558 series 48.
2. Flange dimension comply with EN1092-2.
3. Valves can be installed in horizontal or vertical pipe lines.
4. Check the valve direction before installation.
5. The valves should be placed in a dry place of indoor before installation.
6. During Installation.
  - 6.1 Check whether the use scenario conforms to the performance specification of the valve carefully before installation.
  - 6.2 Clean the inner cavity and sealing surface to avoid any dirt attachment.
  - 6.3 Make sure valve flange and pipe flange are sealed well.
7. Check the sealing performance between body and bonnet, ball and sealing surface periodically after valve installation.
8. After repairing the valve, sealing test should be carried out as required.
9. Possible faults, causes and elimination methods are as follows:

Possible faults	Cause of the fault	Elimination methods
Leakage between ball and sealing surface	Ball or valve sealing surface was damaged	Replace the ball or valve body
Leakage between body and bonnet	Bolts loosed or gasket damaged between bonnet and body	Re-tighten the bolts or replace the gasket
Leakage between body and pipe flange	Bolts between valve flange and pipe flange were not clamped	Re-tighten the bolts