

# Assembly, use and maintenance instructions

## USE

The intercepted fluids must be compatible with the construction materials of ball valves (indicated on our technical data sheets).

## DO NOT USE UNSTABLE GASES.

The max pressures in according to the working temperatures are indicated on our technical data sheets.

## WARNING!

**WHEN THE INTERCEPTED FLUID SOLIDIFY AND INCREASE ITS VOLUME (FOR EXAMPLE WATER WITH TEMPERATURE LOWER THAN 0°C), IT IS USEFUL TO EMPTY THE VALVE AND THE SYSTEM COMPLETELY, TO AVOID THE BREAK.**

## ASSEMBLY

Before installing, please make sure the pipe into which the valve is screwed does not show impurities that may damage the ball and the seat causing leaking.

To mount the valve on the plant/system, please use a compatible glue on the threads with the intercepted fluid.

For clamping the valve, please use appropriate keys, to avoid valves deformations which in addition to damage of their function, they can be the cause of the glue break between the body and the sleeve, as a result of the leaking.

After installing, please make sure the valve does not suffer stresses due to the pipes, so please support the pipes with the proper clamps.

The valve must be manoeuvred exclusively with the lever handle supplied with the kit without using any other supplementary lever handles.

Turn the lever handle by 90° clockwise to close the valve until it reaches its mechanical stop.

Turn the lever handle by 90° anticlockwise to open the valve until it reaches its mechanical stop.

The ball valve must always be:

### FULLY OPEN

### FULLY CLOSED

any intermediate position of the ball may cause permanent deformations of the tightness seats which cause the intercepted fluid leak.

To avoid water hammering on the pipes, please manoeuvre the valve with a gradual rotation.

When testing the systems, please don't use pressures higher than the nominal pressure shown on the valves, because a higher pressure could break the seats and the gaskets and to damage their sealing irremediably.

## MAINTENANCE

Every six months, please check the valve visually to verify there are no defects that may cause problems when using it and, if the case, replace it.

Before acting on the valve, please make sure that the pipes are not under pressure.

## FLANGED VALVES INSTALLATION INSTRUCTIONS

FIGURE 1

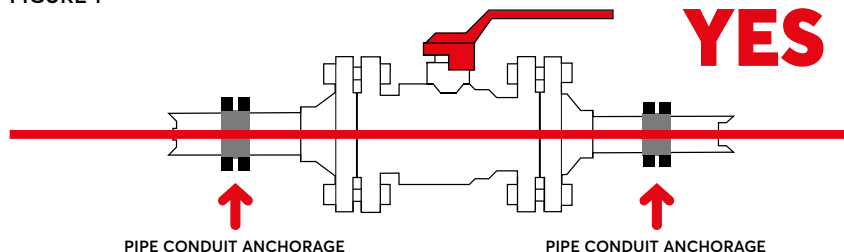
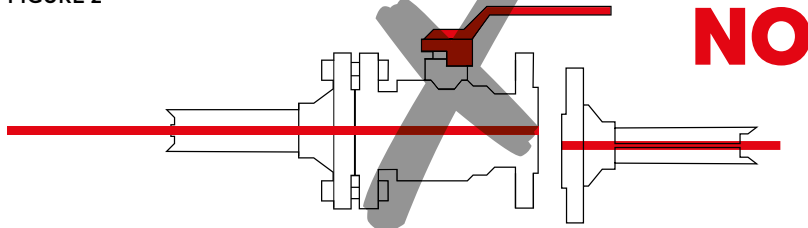


FIGURE 2



1) The pipe conduit must be on axis (FIGURE 1) - inlet/outlet

2) During the tightening of the screw, avoid tractions caused by pipes not on axis or no-conforming connection measures (FIGURE 2)

3) Avoid loads to the valve for not anchored pipe conduit (FIGURE 2)

Please follow instructions for the flanged valves both two and three-way flanged valves.