

INSTALLATION OPERATING MANUAL 2 PIECES BALL VALVES

INSTALLATION AND MAINTENANCE

GENERAL GUIDELINES :

Ensure that the valves to be used are appropriate for the conditions of the installation (type of fluid, pressure and temperature).
Be sure to have enough valves to be able to isolate the sections of piping as well as the appropriate equipment for maintenance and repair.
Ensure that the valves to be installed are of correct strength to be able to support the capacity of their usage.
Ensure the valves are installed according to the actual standards.

INSTALLATION :



For an installation in ATEX area, check the conductivity between the valve, the upstream pipe and the downstream pipe and make sure the pipe is connected to the earth.

Pipe-line must be cleaned and free from residual of weldings, rubbish, shaving and every kind of extraneous materials.

Pipe-line must be perfectly aligned and their support properly dimensioned so that there's no external constraint.

Check to use a produce compatible to the services conditions for the sealing of the threaded types.

Use the right bolt tightening so that the ends won't be damaged.

CLEANING AND TESTS

Keep opened the valves during the cleaning operation so that there are no impurities between the ball and the body.

Tests under pressure must be done with a cleaned pipe-line.

Open partially the valve for tests. Pressure test do not exceed the valve specifications according to API 598 or EN 12266-1.

MAINTENANCE

It's recommended to operate the valve twice (open and close) 1 to 2 times per year.

When intervention on the valve, be sure there's no pressure in the pipe-line, there's no fluid in it, and that it is isolated.
The temperature must be low enough to operate without risks.
If there's a corrosive fluid, inert installation before intervention.
Pressurization must be progressive.

When the valve is under pressure :

If there's a leakage at the packing, tighten it slightly so that the leakage disappears.