

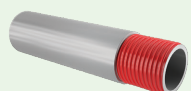
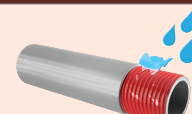
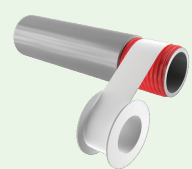

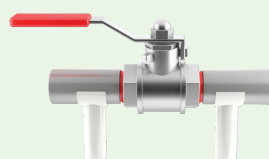
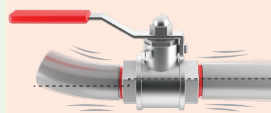
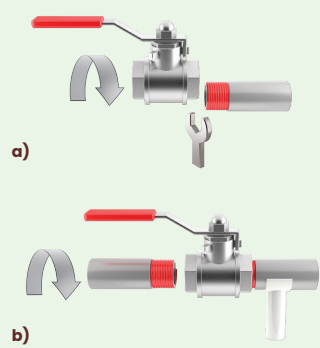
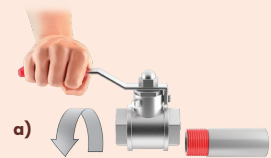

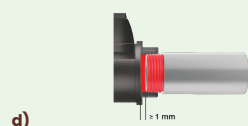
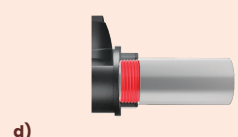
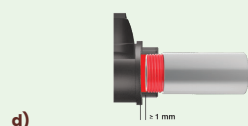
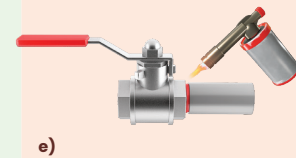


Installation regulations

Valves

Installation	 CORRECTO	 INCORRECTO								
Check that the pipe thread is prepared for installation, therefore that it is clean, dry, continuous in all its threads and that it does not have any visual damage.										
In the case of a male thread, if the component where the pipe will be threaded does not have a gasket, apply sealant to the threads to ensure a tight joint.										
The pipe or pipes to which the valve is connected must be fastened and correctly aligned in order to avoid tension or vibrations, so we recommend not connecting an elbow just at the inlet or outlet of the valve.										
Assembly: a) Rotate the valve onto the fixed pipe, tightening from the flat faces of the valve. b) For correct assembly, if a next section of pipe must be threaded to the valve, this is the one that must be rotated while keeping the valve fixed. c) For installation, do not exceed the following tightening torques: <table><tr><th>SIZE</th><th>TIGHTENING TORQUE [Nm]</th></tr><tr><td>1/4" to 1/2"</td><td>30</td></tr><tr><td>3/4" to 1 1/4"</td><td>80</td></tr><tr><td>1 1/2 to 4"</td><td>130</td></tr></table>	SIZE	TIGHTENING TORQUE [Nm]	1/4" to 1/2"	30	3/4" to 1 1/4"	80	1 1/2 to 4"	130		
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In the particular case of angle shut-off valves, they can be installed through the flat faces or by means of an Allen wrench. 										
d) In order to avoid damage to the valve, it is essential that not the entire thread length of the valve is threaded into the pipe (≥ 1mm distance). e) Under no circumstances should the valve be welded to the installation connection, as this may damage the valve.										

Follow the following installation, maintenance and use recommendations to ensure the total reliability of the product.

The manufacturer is not liable if the installation, maintenance and use recommendations are not followed.

Check the installation to detect any possible valve leaks.

Make sure that the valve is suitable for the application, pressure, temperature, fluids and conditions required.

Maintenance	CORRECT	INCORRECT
<p>To ensure a longer service life for ball valves, they must always be with the valve in the fully open or fully closed position. It is recommended not to operate these valves in intermediate positions.</p>		
<p>To prolong the life of the valve, it is recommended to open and close it every 4 months. This frequency should be increased for valves that are installed in hard water supply areas*. The possible impact on the use of the product due to the quality of the water is excluded from the product warranty.</p> <p>* Hard water is water that is harder than 50 French degrees: [1°fH=10mg CaCO₃/l]</p>		
<p>Under no circumstances should the valves be in direct contact with any product, material or environment that is potentially corrosive or aggressive for the materials of the installation in general, and for the valves in particular.</p>		
<p>Valves in general and particularly in applications such as water supply or agricultural should be protected from direct contact with the ground, especially if they are underground and installed on surfaces that are susceptible to flooding and the valve being submerged. Direct contact with the ground can cause damage to the valve material.</p>		
<p>In case of risk of freezing, we recommend purging the installation to avoid the presence of fluid that could freeze the installation in general and the valve in particular.</p>		

Usage

The water that runs through the valves must maintain a pH between 6.5 and 8.

Add only neutral, non-corrosive additives to the installation water. Mineral oil or amine type additives must never be used.

The water circulating through the valve must be free of sulphites, chlorites, chlorides and ammonium compounds, all of which are potentially corrosive and harmful to materials in direct contact with the water, as well as the external parts of the valves.

Valve components such as levers, shafts and/or seals aged by use, service or normal weather conditions are excluded from the product warranty.

Maintenance services on the installation and its elements may cause defects such as deformations and mechanical stress on the valve, so we recommend replacing it with a new one before putting the installation back into operation.