

Pipe Installation

Pipe installation (laying)

Pre-insulated steel pipes and fittings are inspected visually. Punctures, splits and other damage of the polyethylene casing are not permitted.

Inner surface of pipes shall be inspected. Dirt and any residues shall be removed.

Pre-insulated pipes must be installed in trenches of no lesser dimensions as indicated in the trench installation drawing, seeking to maintain the correct distance between the pipes and the trench wall.

After the bottom of the trench is prepared with the thickened layer of sand (100 mm), pre-insulated pipes are laid on the pallets (cross-section 100 mm x 100 mm), the distance between them must be no larger than 4 m; the first and the last pallet must be at a distance of 1 m from the ends of the pipe.

It is necessary to make in-depths in the junctions of pipes (min. 0.4 m). The necessary condition: before welding, parts of shrinkable joint connection (connection shells, shrivelling sealing rings) must be placed on the end of the pipe.

The end surfaces of the casing of pre-insulated pipes and the inside surface of the pulled-over joint must be cleaned from dust, dirt and moisture.

It is necessary to increase the width and depth of the trench in the places of the junctions of pre-insulated pipes by 400 mm for the ease of welding and installation works. The wires of the breakdown surveillance system in all elements of the laid pre-insulated pipes must be in the same (upper) position.

The installation of pre-insulated pipes is performed if the air temperature is above zero.