

RECOMMENDATIONS REGARDING EXPANSION COMPENSATORS

We study the market and the installation procedures in order to recommend to our customers the most suitable installation methods, depending on the terrain, the slope and the length of the route.

We have noticed that there are situations where expansion compensators are not used, the reason being the reduction of expenses.

PEHD polyethylene pipes, even buried, undergo linear expansion-contraction depending on the temperature of the external environment.

The use of expansion compensators for PEHD polyethylene pipes is the first step to ensure the installation against breakage. Fixing these breaks can lead to higher additional costs than if these compensators were used from the very beginning.

We present to you in the accompanying images an example of an expansion compensator for PEHD polyethylene pipes, which can be ordered through SCANDEX PLUS.



We are at your disposal with details regarding the technical characteristics, the installation method according to the diameter and the length of the PEHD polyethylene pipe route.

RECOMMENDATIONS FOR BUTT WELDING OF POLYETHYLENE PIPES

In order for the welding of polyethylene pipes to be of quality, it is necessary that it be performed by well-qualified and authorized personnel and that the parameters be respected.

It is recommended that the welding of polyethylene pipes be done at an ambient temperature above 5°C, and if the weather is rainy it will be done in a protected area.

The welding area should be well cleaned and undamaged, and the ends of the polyethylene pipes should be closed to avoid rapid cooling.

RECOMMENDATIONS FOR ELECTROFUSION WELDING

When welding by electrofusion, it is very important to respect the parameters of time and temperature passed on the label of the fitting and read automatically by the welding machine by electrofusion.

The process of electrofusion welding is simpler than butt welding, but several factors must be taken into account: correctly cutting the ends of polyethylene pipes and marking the insertion length, scraping and thorough cleaning of oxides, dust or other impurities from the parts that to be merged.

The cooling will be done naturally by observing the time marked on the label. Welding by electrofusion is done only with well-qualified personnel, with automatic devices, which have a barcode reader.

INSTALLATION RECOMMENDATIONS

Digging trenches for polyethylene pipes can be done mechanized or manual, in compliance with the indications and norms in force.

The slope and radius of the project, the elevations of the bottom of the trenches, the securing of the walls to avoid being surprised and the storage of materials and polyethylene pipes at an appropriate distance to prevent the material and stones from falling on the positioned pipe will be respected.

The polyethylene pipes are inserted into the trenches carefully, with the help of lifting machines, cranes, in no case by free fall. In this way, impacts, deformations or even breaking of welds will be avoided.