



Installation Instruction for **WILLBRANDT** Expansion Joint Type 270 (for heating installations)

Generally it is recommended that this installation instruction is used together with Willbrandt's installation instruction of steel expansion joints.

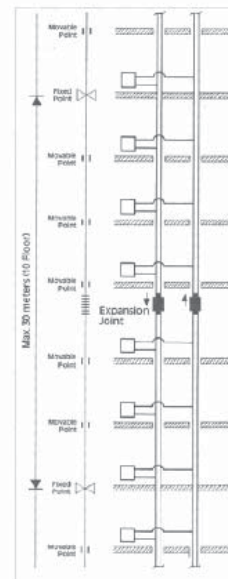
Prior to installation

- Check that the pipe is prepared for installation.
- Check that the length of the expansion joint comply with the envisaged installation gap.
- Visual inspection of the bellow to ensure that it is not damaged and can move as intended.
- It is very important that the expansion joint is not exposed to higher temperatures, higher pressure and larger movements than designed for. This will significantly ravage the performance and service life of the expansion joint.
- It is very important to install fixed points and slide bearings. For instructions about arrangement of these please refer to Willbrandt's installation instruction for steel compensators and likewise please refer to the drawing below. This drawing illustrates how the expansion joint should be arranged in the pipeline in proportion to fixed points etc.



Installation with a torque wrench

- Put-in the expansion joint.
- Use a torque wrench for installation.
- In one end of expansion joint an union can be inserted as this can ease the installation. Torsion should be avoided.
- It is important not to force-rotate the expansion joint for alignment with the adjacent pipe. The Expansion Joint does not resist torsion.
- 24 hours after start-up the screw threads are re-tightened.



Note

It is important that the Expansion Joint is not exposed to torsion during installation, as it does not resist torsion.

In case of questions or requirements for clarification of the installation instruction.

After installation

- Avoid exceeding a test pressure of more than 1/3 times the rated working pressure.
- **REMEMBER** to remove the mounting ring immediately after the installation is completed. As this otherwise will spoil the performance of the expansion joint.