6.13.3 Pressure tests on floor heating installation (DIN 4725)

- Before covering the heating circuit with anhydride or cement-bound concrete check its water-tightness (perform water pressure test).
- Use pressure gauges which can measure a pressure difference of 0.1 bar.
- The pipes must first be put entirely under water pressure and de-aerated.
- The water pressure must be tested just before and just after placing of the covering floor.
- The test pressure must be 1.3 times greater than the operating pressure.
- Henco recommends testing the composite pipes in floor heating circuits at 6 bar, and this over a period of 24 hours.
- Make sure the shut-off valves for the floor heating manifold are fully closed so that the test pressure remains isolated from the rest of the installation.
- The pressure must not drop by more than 0.2 bar a nd the installation must remain watertight.
- When pouring the cement floor the operating pressure must be reduced to the maximum permis sible operating pressure.
- Suitable measures are to be taken in case of frost (use anti-frost products or heat the building).
- If the heating system is no longer exposed to frost (e.g. if a building is inhabited) the anti-frost product must be completely removed from the piping circuit. The installation must be flushed with clean water at least three times as anti-frost products may cause corrosion on the metal parts of the floor heating system