

Installation instructions

Buoyancy control for FRANK Chamber manifold

To be agreed before installation:

- If the chamber manifold is installed in pressing groundwater, stratum water or slack water, this must be taken into account in the design.
- The traffic load and maximum groundwater level must be specified.
Use the FRANK questionnaire for chamber manifolds for this (see the geothermal section at www.frank-gmbh.de).
- If groundwater level has not been considered during the static design, sufficient drainage of seepage water must be provided for soils that are impermeable to water.
- A buoyancy control system must be provided even for temporary standing water (e.g. trench during the construction period).

Groundwater / buoyancy control

- The buoyancy control must be designed according to the highest groundwater level.

Variant A:

- For chamber manifolds covered by a concrete plate to transfer traffic load, additional measures may be required (e.g. Variant B), depending on the size of the chamber manifold and groundwater level. The specifications for the static calculation must be observed.

Variant B:

- Buoyancy is controlled by the anchoring of the reinforced base plate into a concrete base with an upturn in accordance with the specifications of the static calculation.

