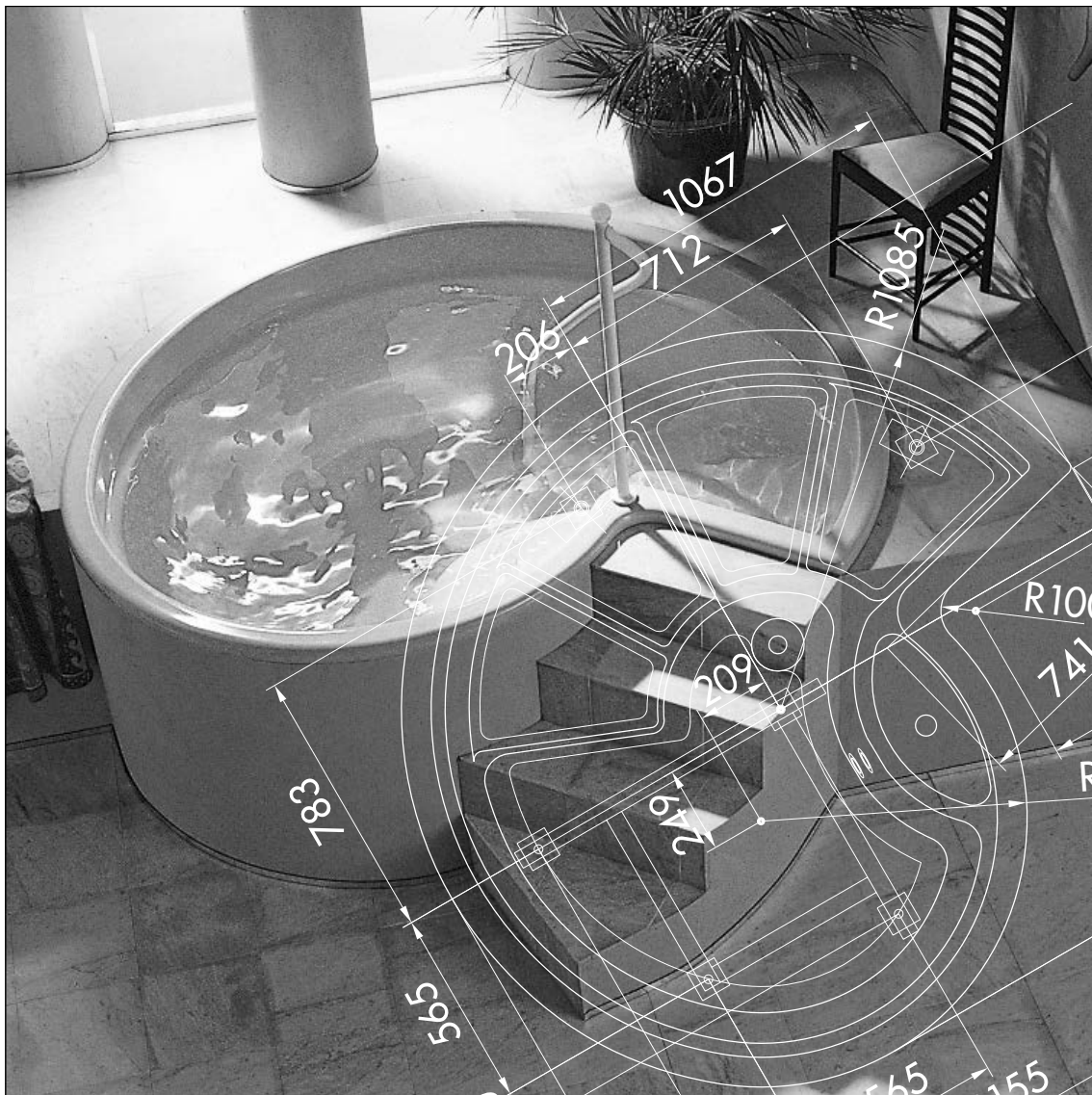


Installation

P L U N G E P O O L S



MADE OF EPOXY-ACRYLAT

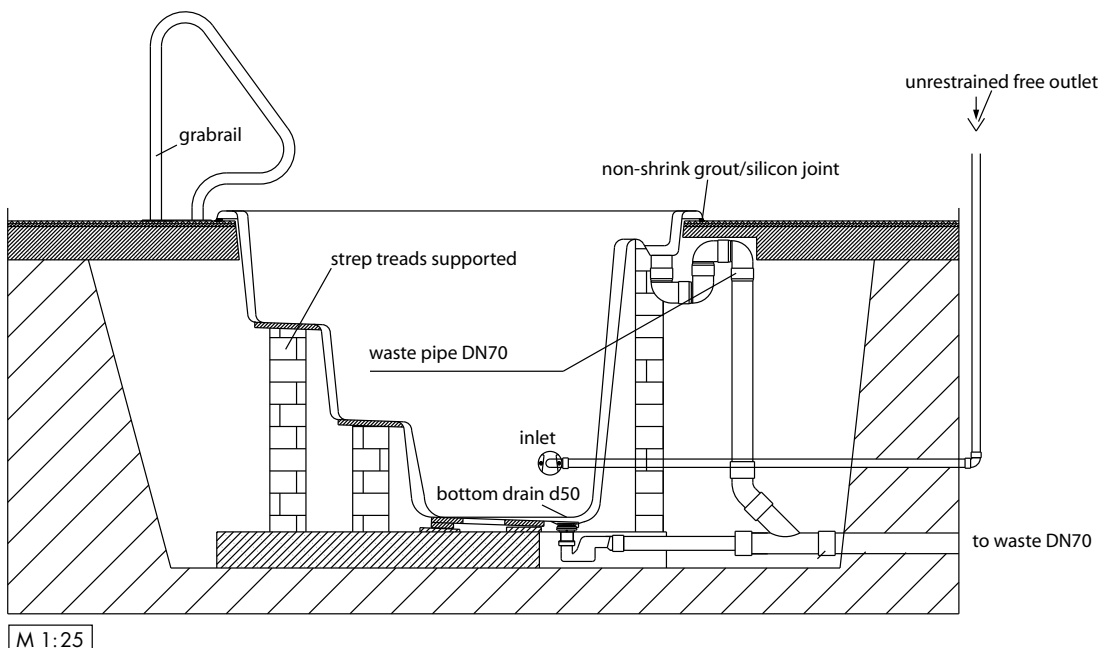
Plunge pool installation

The plunge pool (Mini, Maxi, Rondo, Karo IceCube) is a fully self supporting structure with adjustable leg supports with rubber foot pads.

Installation should be carried out as follows:

- First prepare a flat level concrete slab for the plunge pool to stand on. Dimensions of this slab should match the upper edge of the pool shell. **Note:** A recess in the concrete may be necessary for the main floor drain to be fitted (approx depth: 25 cm).
- Set up and align the pool shell (filling with water if necessary for final adjustment)
- Connect all pipe work
- Fill pool halfway with water
- Support the steps and gutters from the underside until stable, concrete/brick pillars can be added where necessary in addition to the steel adjustable legs.
- Check the finished floor level with the upper edge of the pool shell to ensure it is level and correct with the floor.

It is possible for the plunge pool to be backfilled with lean concrete. In this case fill the pool evenly and slowly, so the pressure is level and equal inside and out between the concrete and water.



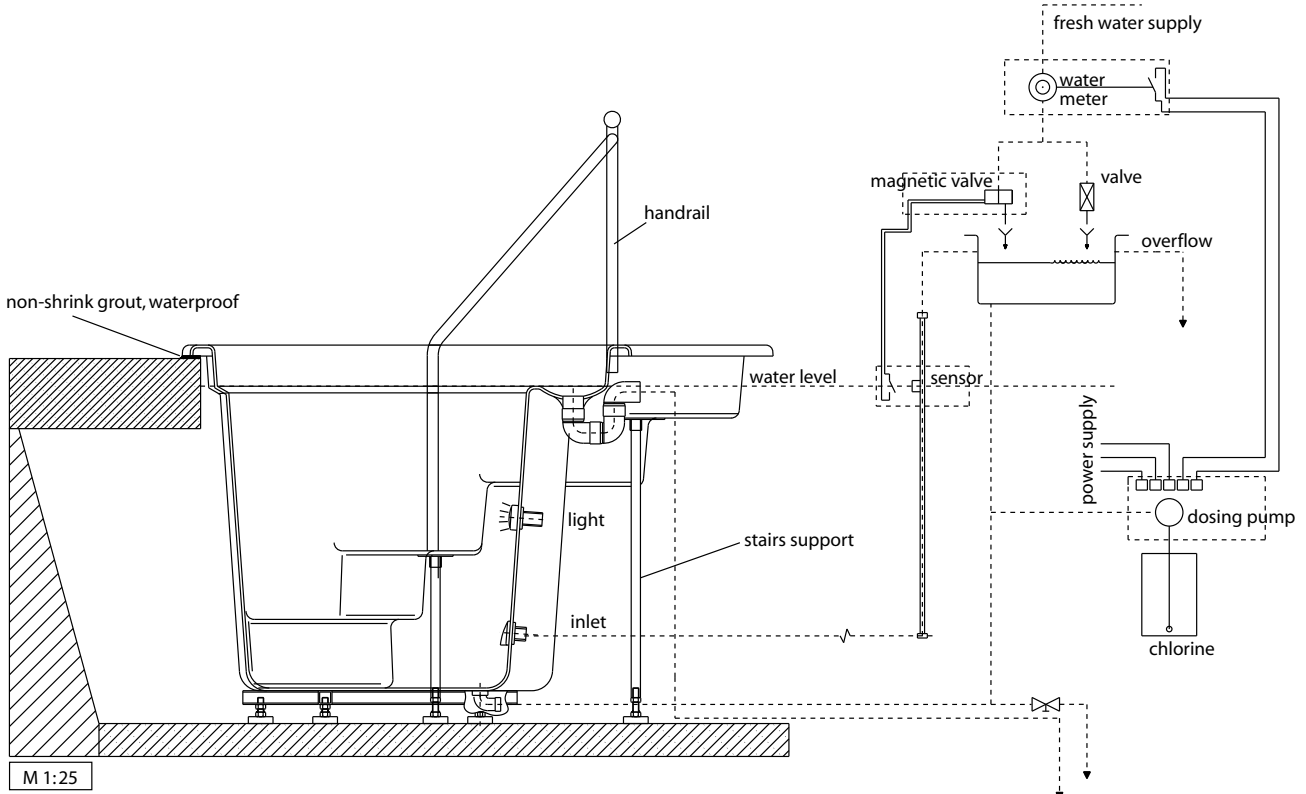
Plunge pool public use

The DIN 19643 provides the following requirements for a sauna plunge pool with a water content below 2,000 Ltr.:

- Depth 1.10 m to 1.35 m
- Permanent freshwater flow
- 0,3 - 0,6 mg/l free chlorine
- At least one-side with an overflow channel
- Low level inlet ("unrestrained free outlet" in accordance with DIN 1988)

To meet these requirements, we propose the below installation designed as per the following scheme:

1. Permanent fresh water supply from an open stopcock which is manually adjusted to allow a minimal flow.
2. Water level control - When entering the pool a person's body volume of water is displaced into the gutter channel. When the person gets out the water level lowers accordingly. Refilling then takes place and the level is controlled by a float switch which opens and closes the mains water solenoid valve to ensure the correct level is achieved.
3. Permanent disinfection - A water meter is used to record the total amount of water introduced into the pool. Then the Sodium Hypochlorite pump delivers a measured amount in accordance with the amount of water that has been introduced.



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