**Loose Parts and Materials Required for Installation:**

**Parts**:

- ☐ 4x Threaded rods (M8, minimum length 20 cm) with nuts and washers
- ☐ 4x Wooden stakes
- ☐ Drainage arrangements (gravel pit or connection to drainage system) prepared as needed
- ☐ Supplied grounding wire with bolt
- ☐ Supplied electrical casting compound for moisture protection
- ☐ Supplied hose and spray nozzle

- ☐ All parts have been thoroughly inspected for damage, properly packed, and are ready for transport.

**Tools:**

- ☐ Socket set with hex sockets and Allen key set
- ☐ Shovel, trowel, and a wheelbarrow
- ☐ Spirit level
- ☐ Measuring line and tape measure
- ☐ Bucket
- ☐ Utility knife and pencil
- ☐ Uponor pliers or press fittings (½ inch external thread with rubber seal)
- ☐ Extra Uponor piping (depending on location and requirements)
- ☐ Adjustable wrench (BACO) and water pump pliers
- ☐ For installation of the FRISS Hotbox accessory, mounting hardware and a power screwdriver are also required.



**To be supplied by the installer:**

- ☐ 3 bags of quick-set concrete
- ☐ 1 bag of gravel
- ☐ Sand on site (approximately ¼ cubic meter)

**Installation Manual FRISS Outdoor Showers (For Technical Personnel)**

1. Positioning:

Place the stainless steel base frame at the desired location and drive four wooden stakes into the ground. The stakes should be positioned 6 cm below the desired height. Use a spirit level to ensure they are even. Once everything is leveled, place the frame as shown in **Figure 1**.

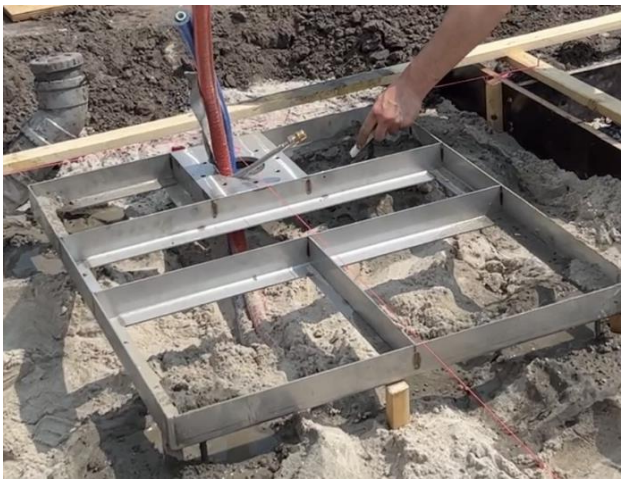
Figure 1.

2. Alignment and Anchoring:

- Attach four 20 cm threaded rods into the outer corners of the frame.
- Use quick-setting concrete to pour four footings around the threaded rods, securing the frame with approximately 50 kg of concrete (two bags). See **Figure 2**.



Figure 2:



3. Checking and Adjustments:

Once the concrete has hardened, check the frame's position again. Use a spirit level and measuring line to ensure the frame is properly aligned with the garden. If necessary, adjust the frame using the threaded rods.

Connections and Electrical Provisions

4. Water Connection:

- Install insulated Uponor pipes for hot and cold water. Mark these pipes and attach the provided Uponor fitting (½-inch external thread with rubber seal).

- At this stage, also connect the grounding wire to the frame using the supplied bolt. This grounding is necessary for the connection to the frost protection heating (thermolint). In **Figure 3**, both the pipe and frame are additionally grounded.

Figure 3:



5. Drainage:

- You can choose between connecting to a gravel pit or to the household drainage system. For a gravel pit, use a 40 cm PVC pipe (110 mm diameter) and fill it with gravel. See **Figures 4 and 5**.

Figure 4:

Figure 5:

6. Filling:

Fill the frame with sand and ensure the top edge remains clean. Be careful to keep the drainage, gravel pit, and bolt holes free of debris. See Figure 6.

Figure 6:

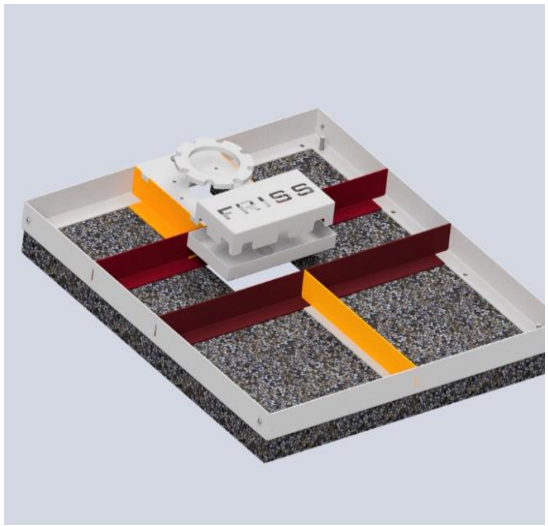


7. Cover Plate:

Carefully install the cover plate, or if you are using your own tiles, install the extra spacer and drain. This should have been specified at the time of your order. See **Figures 7 and 8**.

Figure 7: Cover plate

Figure 8: Tile and drain.




Installing the Shower Column

8. Placing the Shower Column:

- This process requires two people. Protect the coloured plate or tile with fabric or cardboard to avoid any damage.

- Place the column at an angle of approximately 60 degrees to the plate. Let the flange rest on a soft surface to avoid scratches.

9. Connections:

- Person 1 holds the column steady while Person 2 connects the hot and cold water lines and the handheld shower.

- Before securing the column, check the water connections for leaks by testing the pressure.

10. Securing:

- Set the column upright and secure the flange with the supplied recessed bolts. Only fully tighten the bolts once all bolts are partially installed.

- If using a cover plate, also install the side bolts at this stage.

**Electrical Connection (Frost Protection Heating)**

11. Frost Protection:

- The frost protection heating (thermolint) can be connected to the mains by a qualified electrician. This ensures the shower is protected from freezing during winter.

- The thermolint can be continuously powered or switched on. The heating will activate at temperatures below 3°C, thanks to the built-in thermostat.

- **Note**: The electrical system must be properly grounded according to regulations. All electrical connections must be moisture-proof, which can be achieved by using a casting compound. See Figure 9.

Figure 9: Casting compound.

- Safety Grounding: All electrical components, including the frost protection heating, must be installed in accordance with NEN 1010 standards. This includes additional grounding and proper insulation to meet safety regulations.

- Legionella Prevention: Install an anti-backflow valve (AE valve) in the water supply to prevent bacteria such as Legionella from entering your water system. Always flush the shower briefly before use, especially in warm weather.

- Maintenance: The shower must be regularly inspected for leaks, damage, and proper operation of the frost protection system. If in doubt, contact a certified installer.

**Final Steps and Maintenance**

12. Final Check:

After the installation is complete and all pipes have been pressure-tested for leaks, the shower can be put into operation.



13. Maintenance:

You can order replacement parts and request repairs from your dealer. Additionally, it is recommended to purchase the special maintenance package (€47.50) from our webshop. This package helps keep the coating clean and protects it from the elements.

Your FRISS outdoor shower is now correctly installed and ready for use. Enjoy!

Thank you,

Team FRISS**