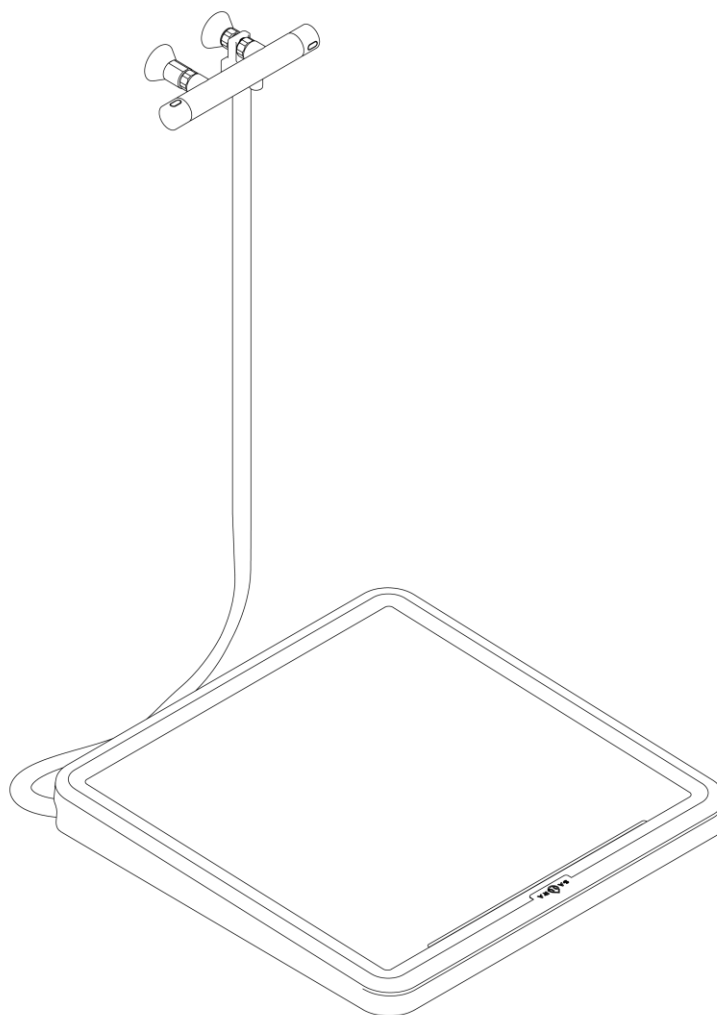


Recoup Sanura Line Flatmate WWHR

Installation and user manual



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Parts

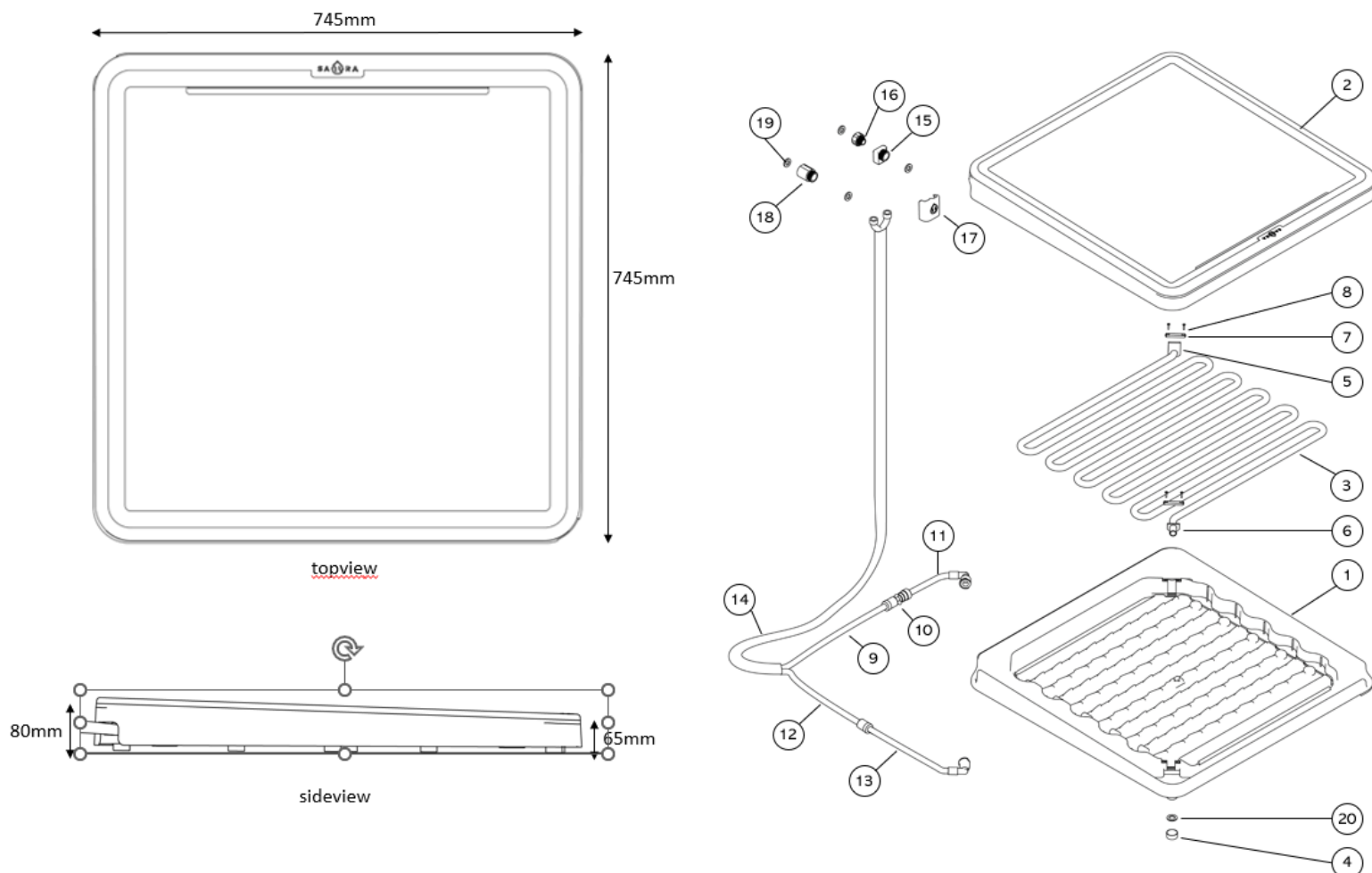
In the box:

- Mounted Flatmate including:
 - Base (1)
 - Top (2)
 - Copper tube (3)
 - 26x Feet (4)
 - Seal large (5)
 - Seal small (6)
 - 2x Seal mount (7)
 - 4x Bolt (8)
 - Inlet hose 1 (9)
 - Valve (10)
 - Inlet hose 2 (11)
 - Outlet hose 1 (12)
 - Outlet hose 2 (13)
 - Hoze cover (14)
 - Divertor (15)
 - Coupling nut (16)
- Cap (17)
- Placeholder (18)
- 4 x O-ring (19)
- 10x Ring for height adjustment (20)
- 2x Tie-wrap

Each part can be replaced and ordered separately.

Technical Data & Specifications

Pos.	Component	Details
1	Base Tray	Durable ABS 745 x 745 x 80 (65)mm : 4,8 kg
2	Top	Durable ABS with anti-slip (Flatmate+ Flexiteek PVC)
3	Heat Exchanger	Copper (Cu-DHP/ASME SB-75)
4-9	Various small parts	Durable recyclable materials
10,15,16	Valve + accessories	Chromed brass
11-14, 17-20	Various small parts	Durable recyclable materials
-	Potable water connections	¾" (BSP.Par.)
-	Backflow protection	EN1717-compliant Kiwa approved ball valve and non-return valve



Technical Data

General information

The Recoup Sanura Flatmate is a shower heat exchanger that is placed on top of the shower floor and is directly connected to the exposed shower tap.

The Flatmate is not suitable for use in a bath or shower tray and cannot be connected to a built-in shower tap.

Safety information

The Flatmate has been designed based on the NEN1006 standard, which specifies the requirements for a tap water installation from the point of view of public health, safety and efficiency. The building owner is legally responsible for the water installation from the point of supply (often the water meter), including extending and maintaining this installation.

The Flatmate contains a heat exchanger that allows water to flow through very well, with a capacity of approx. 0.9 L, without the presence of dead ends and insulation. The Flatmate therefore meets all requirements set by TNO (* Netherlands Organisation for Applied Scientific Research) in the field of legionella safety. Still, it must be prevented that the heat exchanger is used in an environment with a temperature above 25°C for a longer period.

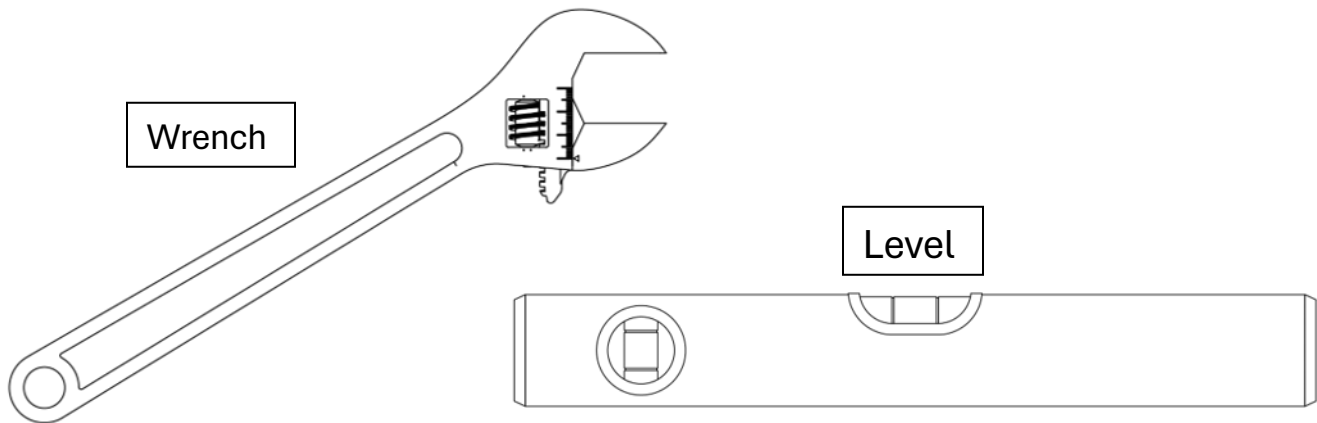
All materials in the Flatmate that come into contact with drinking water are approved according to European drinking water standards and therefore pose no health risk.

Technical data

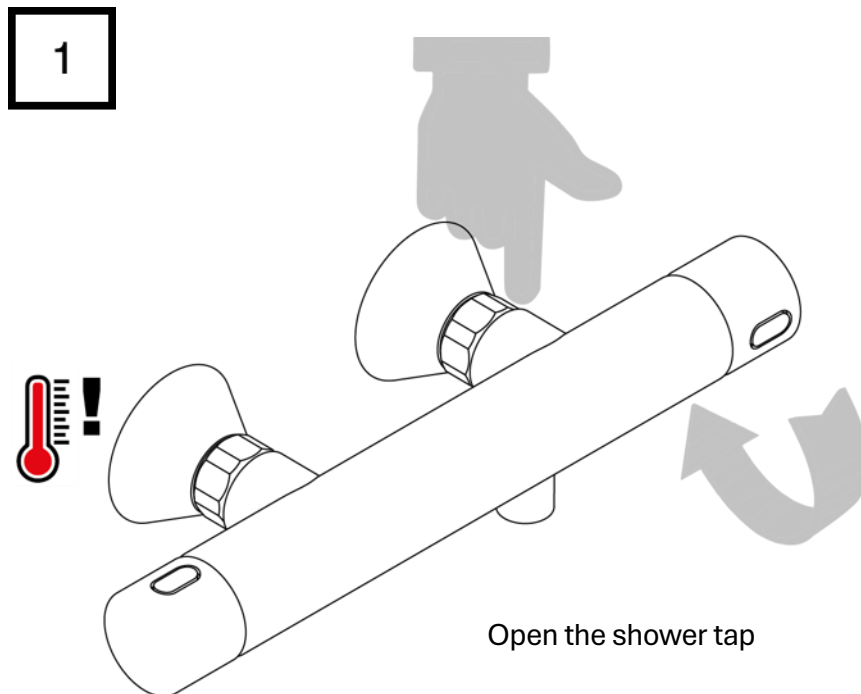
▪ Min. water pressure	1 bar
▪ Max. water pressure	7 bar
▪ Recommended water pressure	3 bar
▪ Max. Temperature	60 °C
▪ Volume of the heat-exchanger	app. 0,9 L
▪ Material heat-exchanger	copper (Cu-DHP/ASME SB-75)
▪ Material housing	ABS
▪ Diameter connections	3/4 inch
▪ Max. load	200 kg

Installation

Tools needed to install the Flatmate:



Steps to install the Flatmate



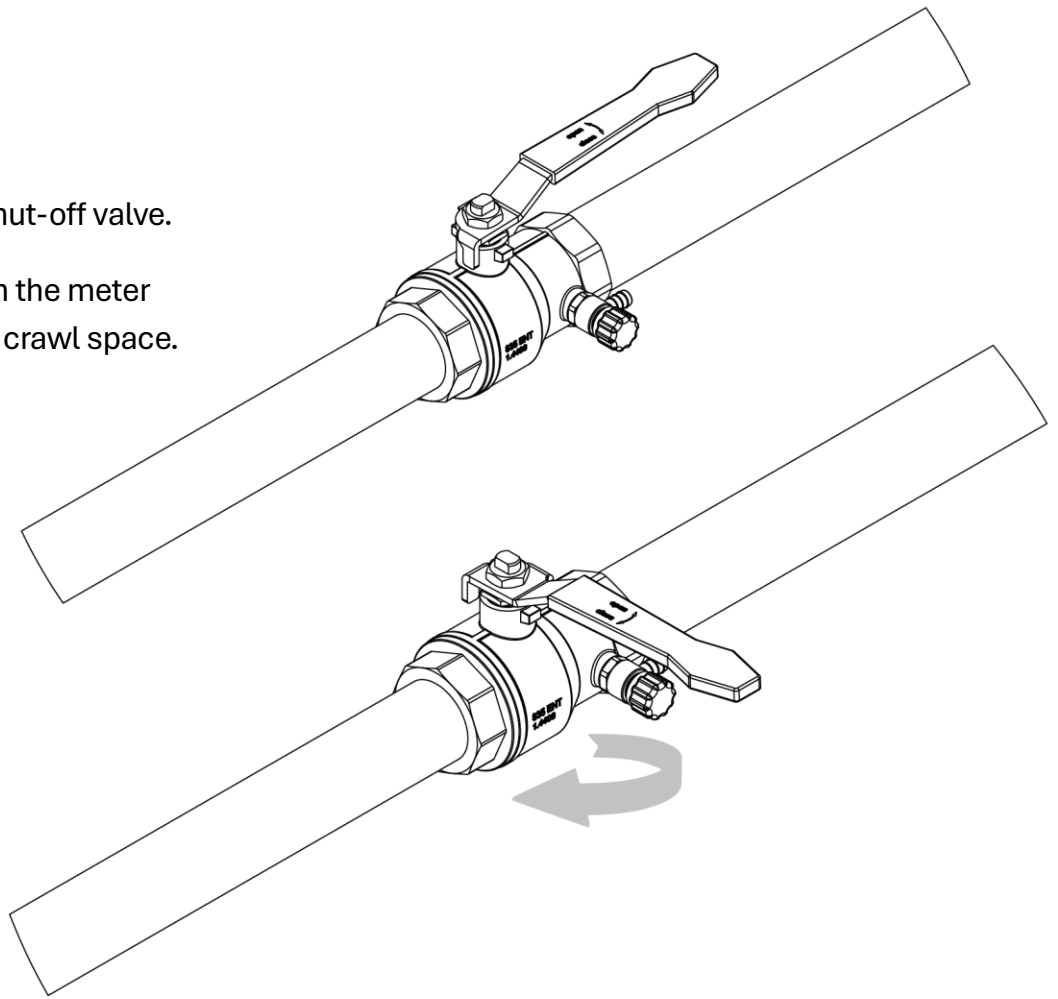
Open the shower tap

Feel which connection in the wall is the cold water side.
Usually this is the right side. Be careful not to burn
yourself on the hot water side.

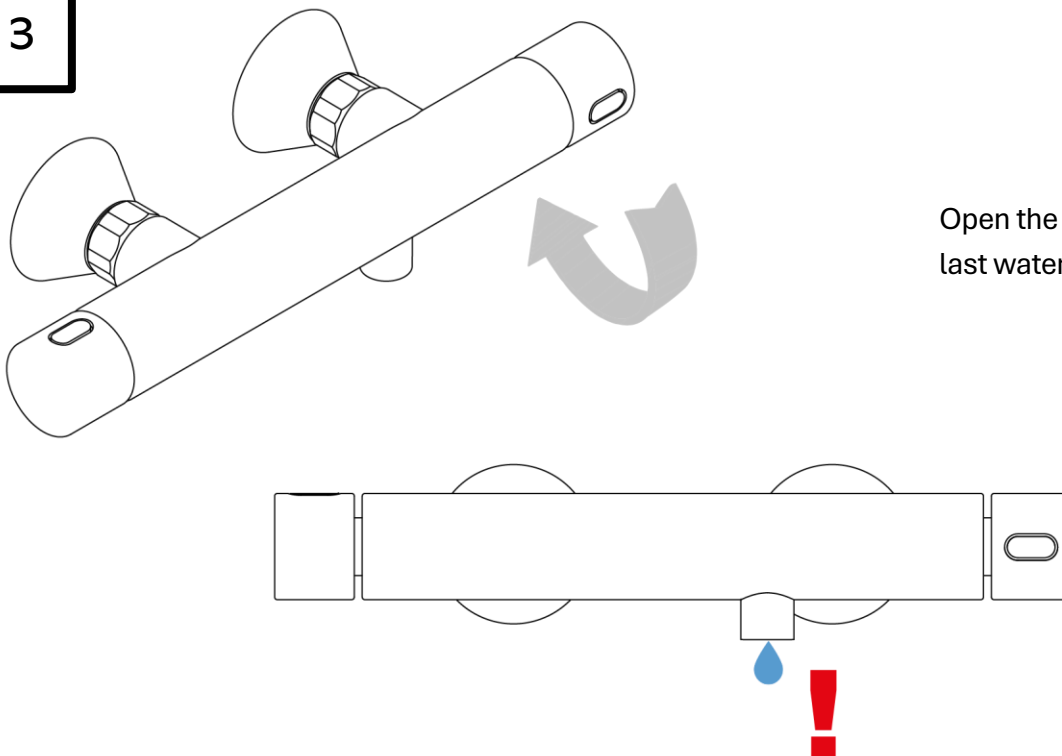
2

Close the main water shut-off valve.

This is usually located in the meter cupboard, basement or crawl space.

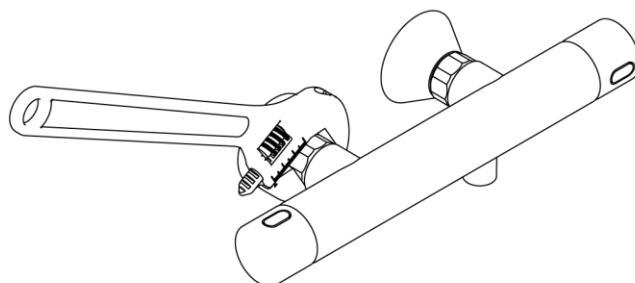
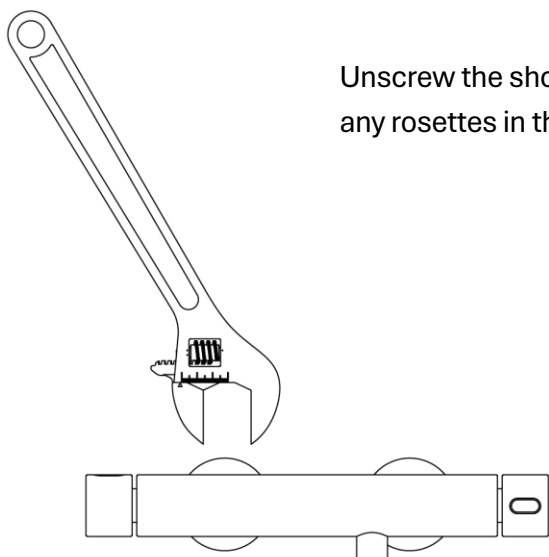
**3**

Open the shower tap and wait for the last water to run out.

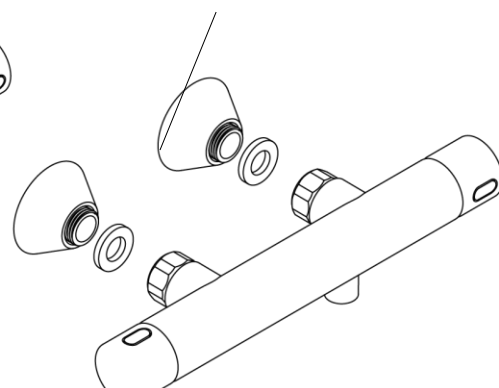


4

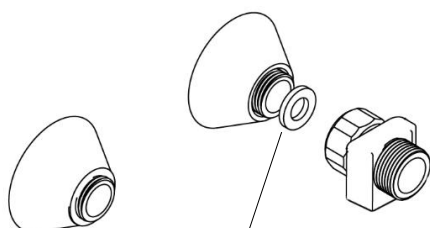
Unscrew the shower tap from the fittings in the wall. Leave the fittings and any rosettes in the wall!



Fitting with rosette

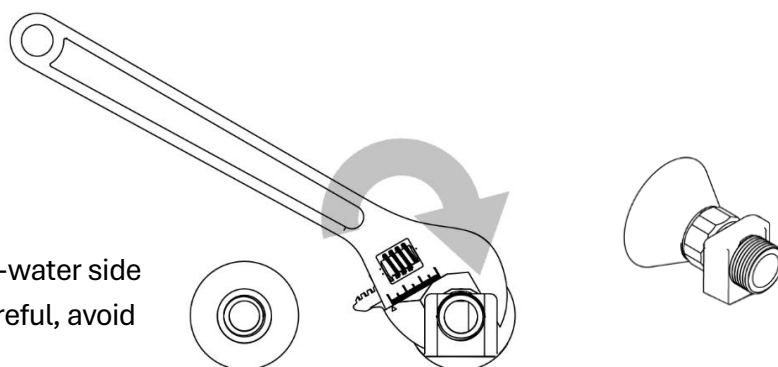


5

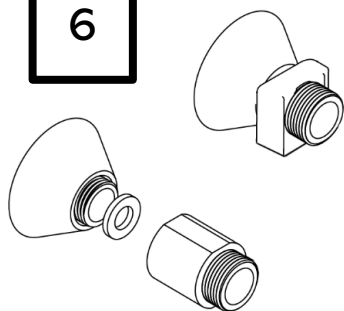


O-Ring

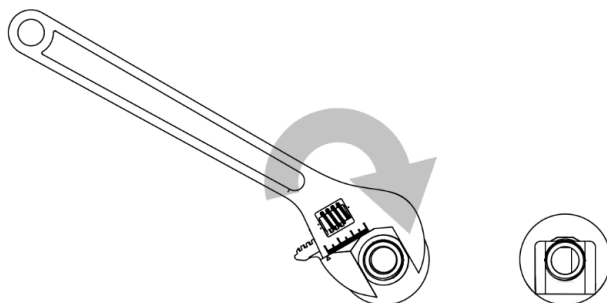
Screw the diverter onto the cold-water side (including O-Ring). Please be careful, avoid too much force,



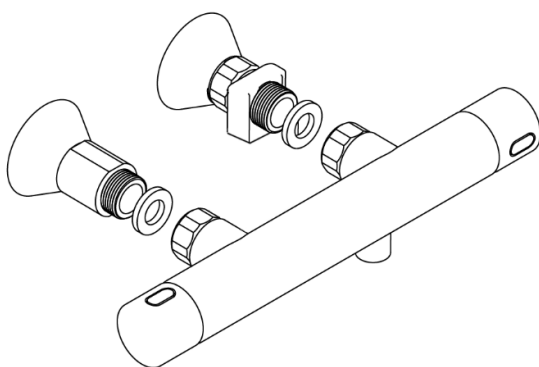
6



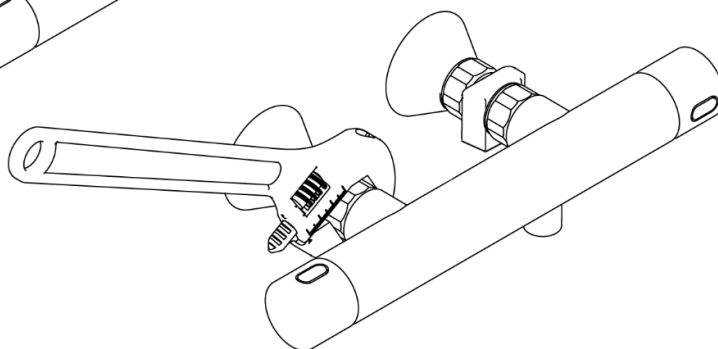
Screw the placeholder on the hot water side (including O-Ring). Please be careful, avoid too much force,



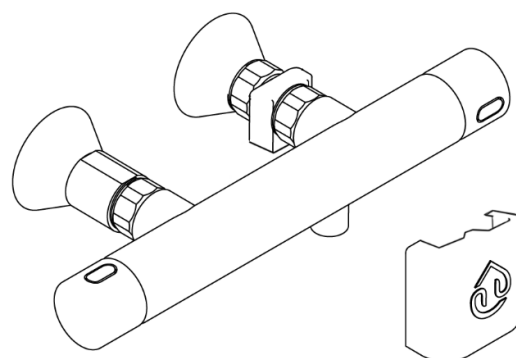
7



Screw the tap onto the Diverter and Placeholder (including 2 new O-Rings). Please be careful, avoid too much force,

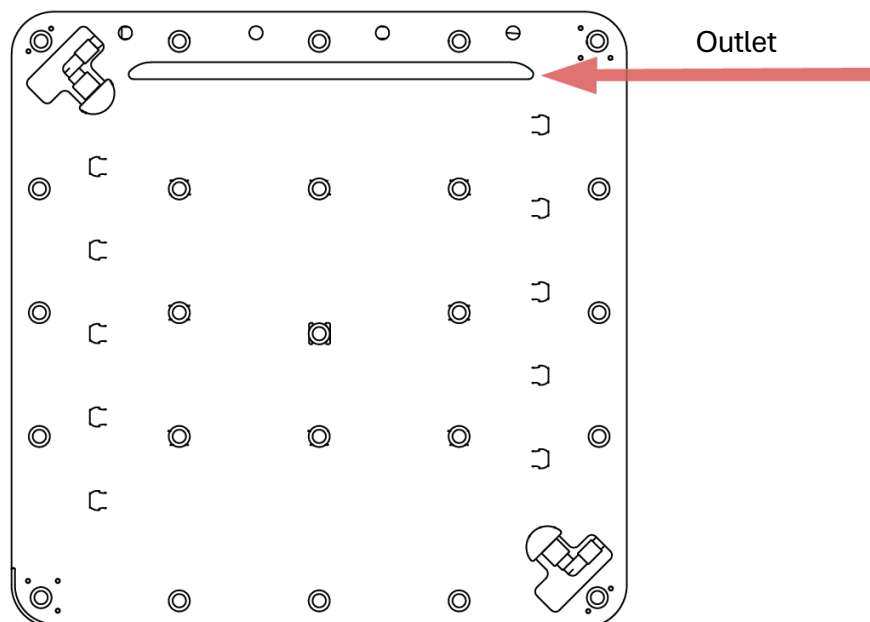


Click the cover Cap over the Diverter.

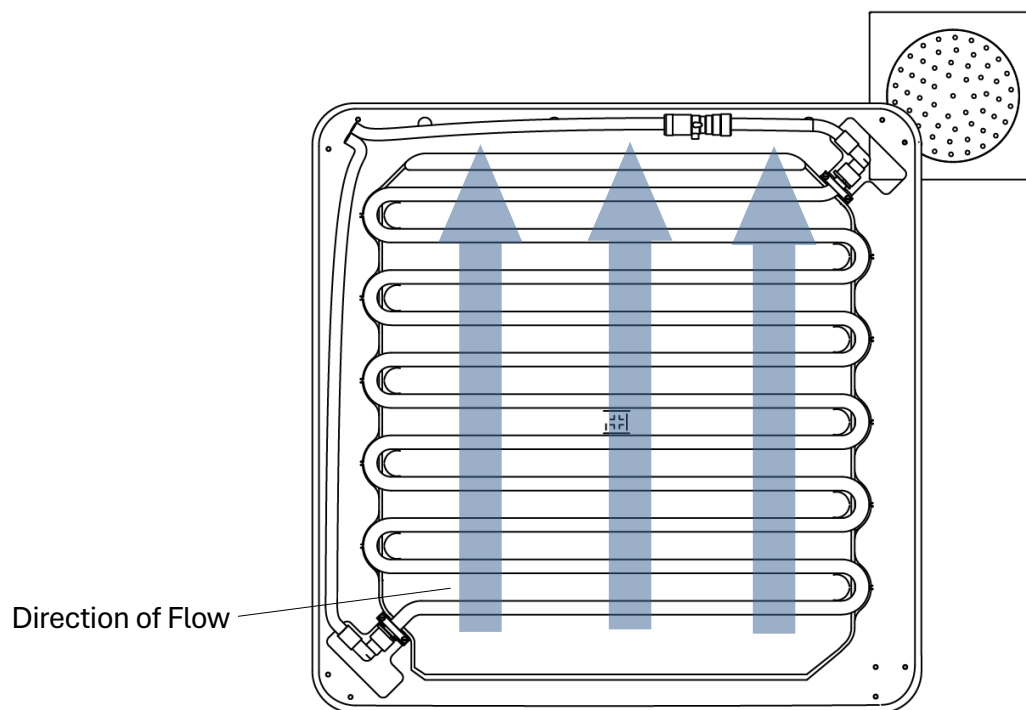


Position the base so that the water outlet meets the shower drain.

8

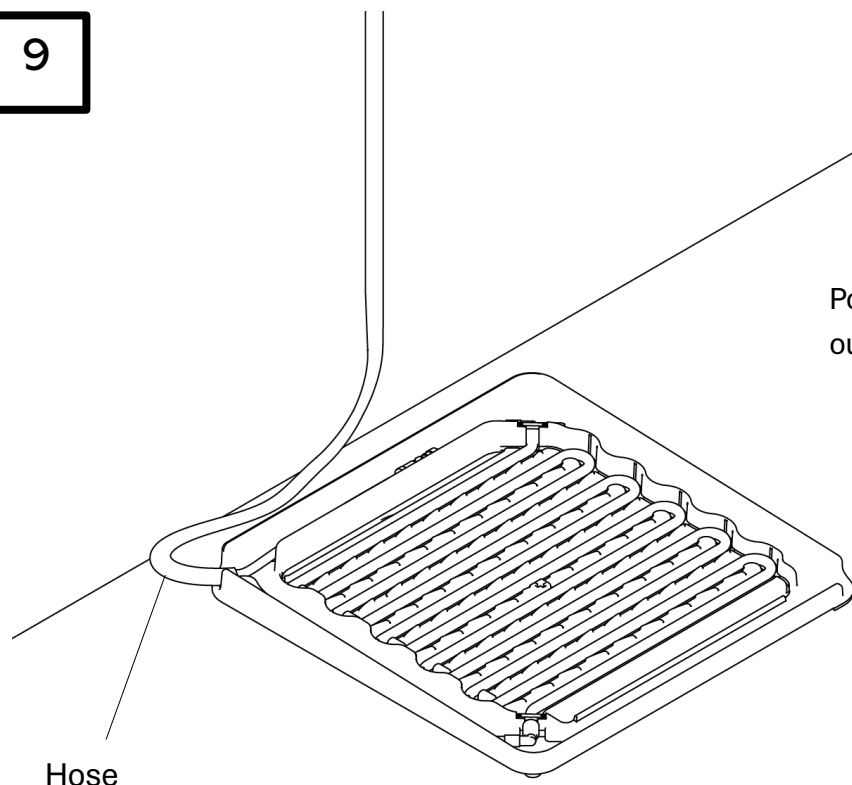


Bottom view of Base



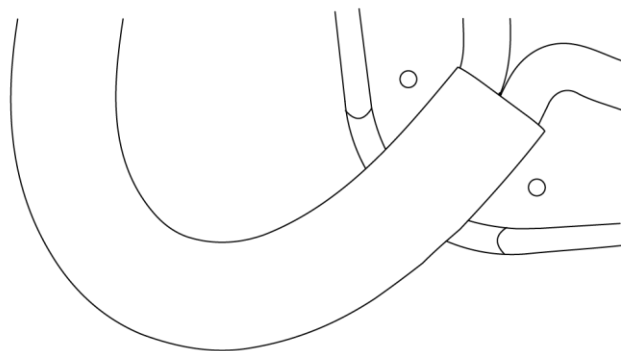
Top view of Base

9

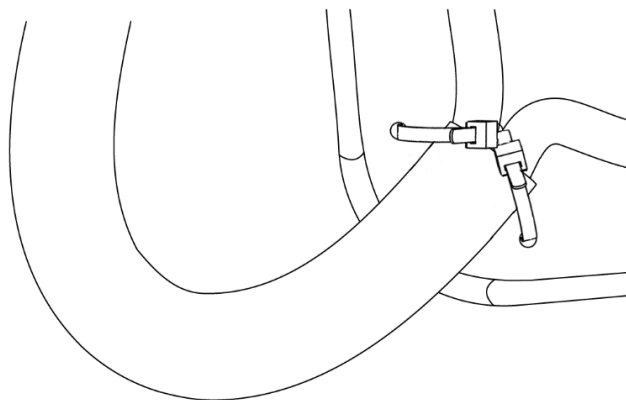


Position the hose in such a way that it comes out on the side of the wall.

10

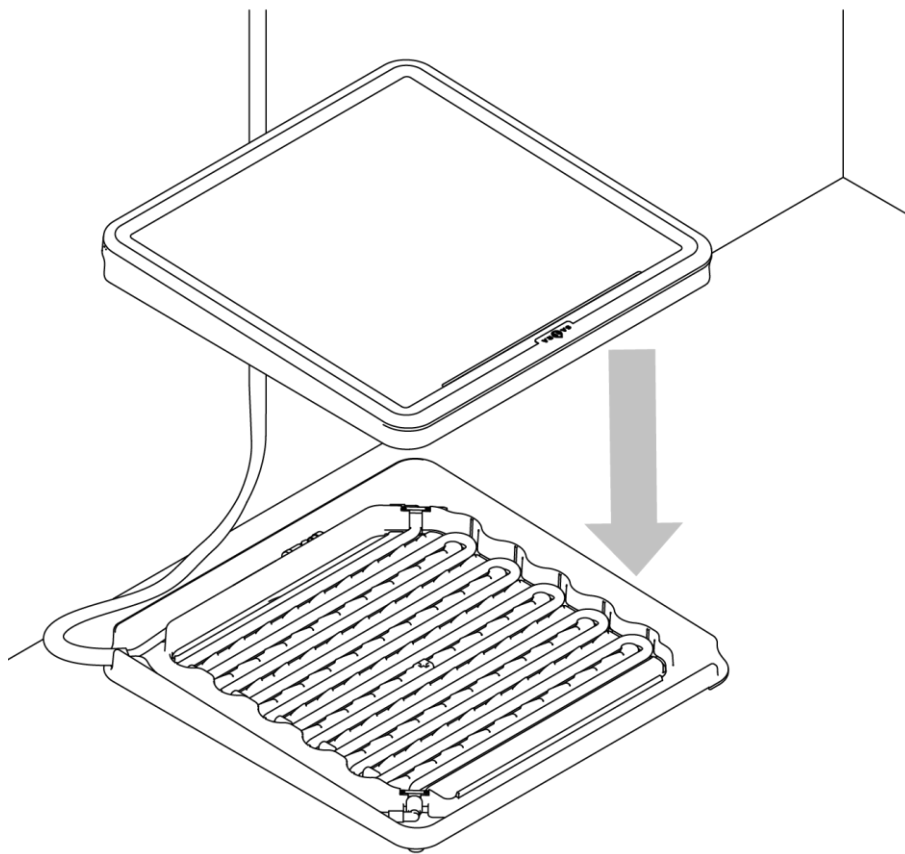


Secure the hose to the base at the exit, with the supplied tie wraps.



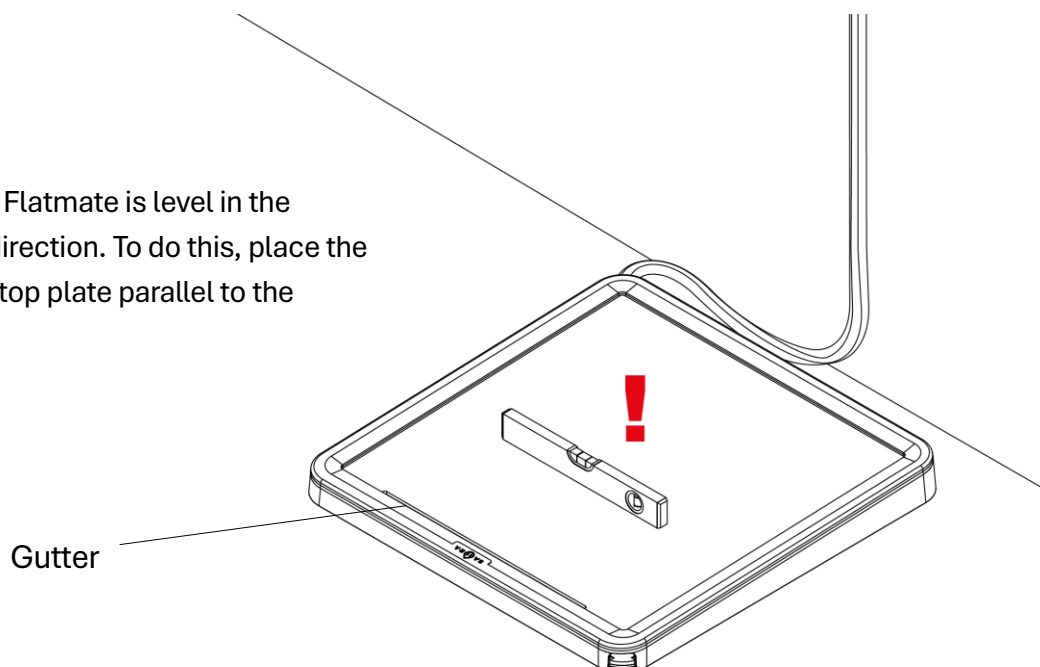
11

Place the Top over the Base so that it fits nicely.

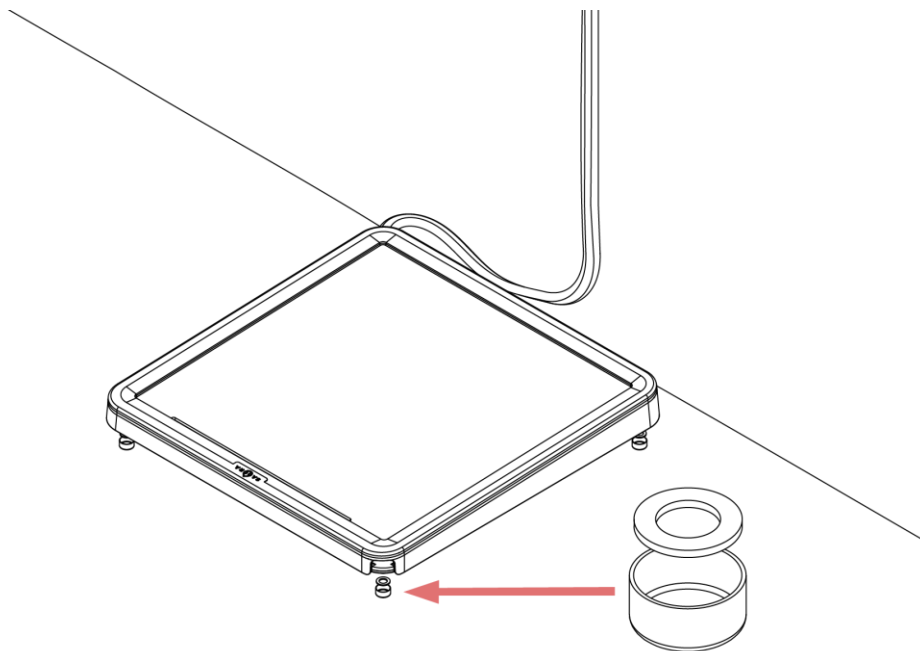


12

Check if the Flatmate is level in the transverse direction. To do this, place the level on the top plate parallel to the gutter.

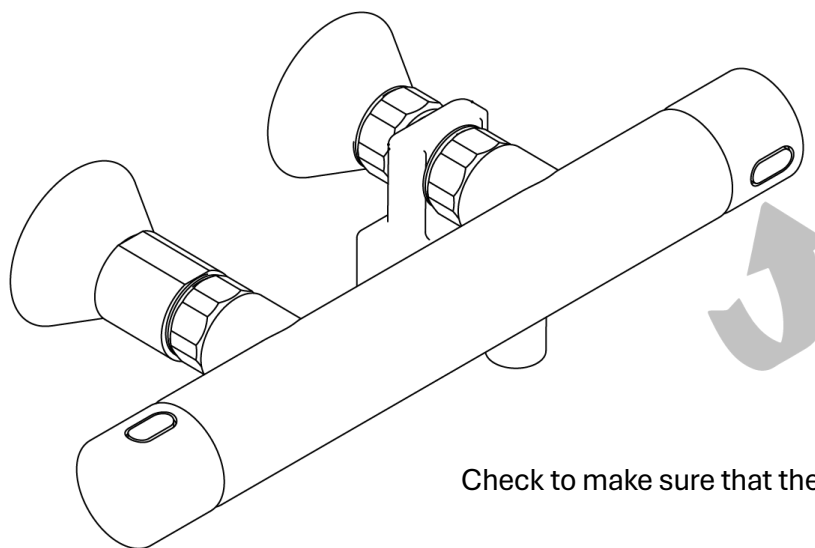


13



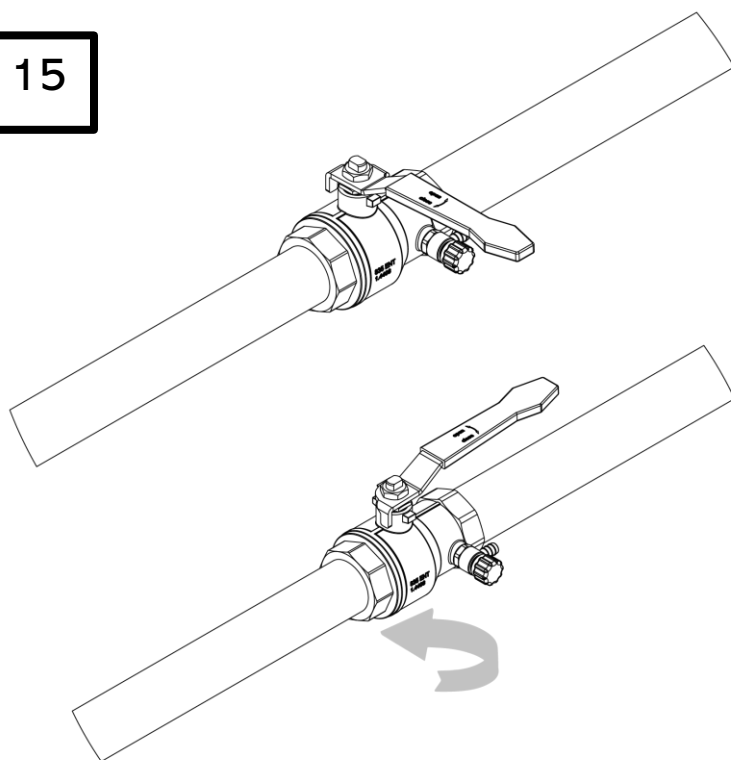
If necessary, adjust the feet (by placing one or a few adjusting rings supplied between the foot and the rubber foot cap).

14



Check to make sure that the tap is closed.

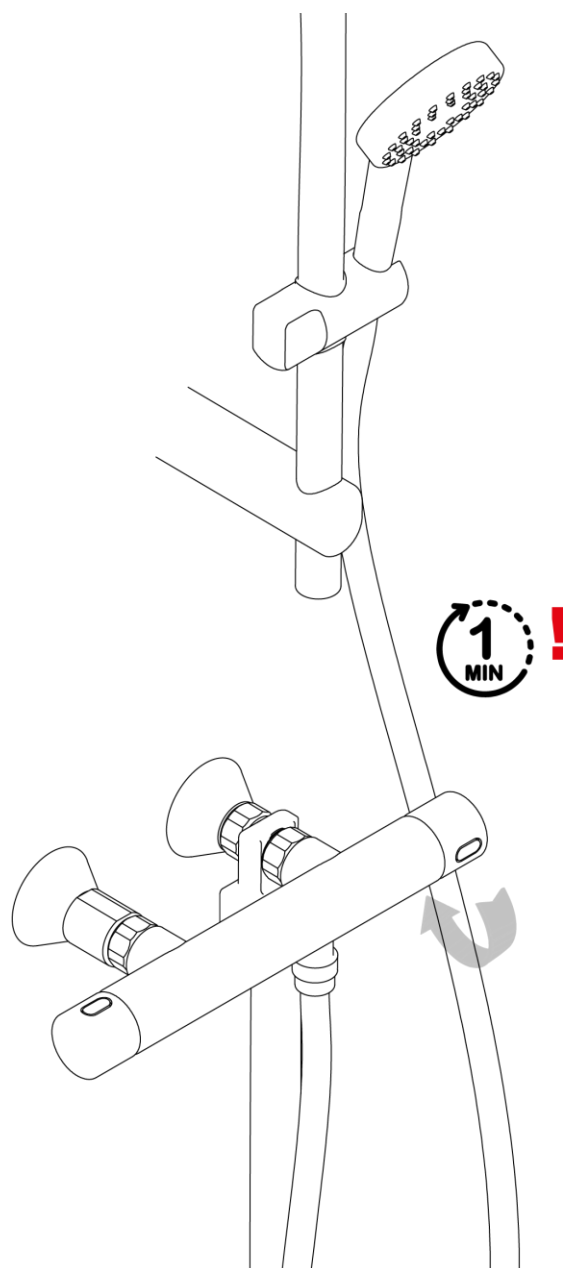
15



Open the main water shut-off valve.

16

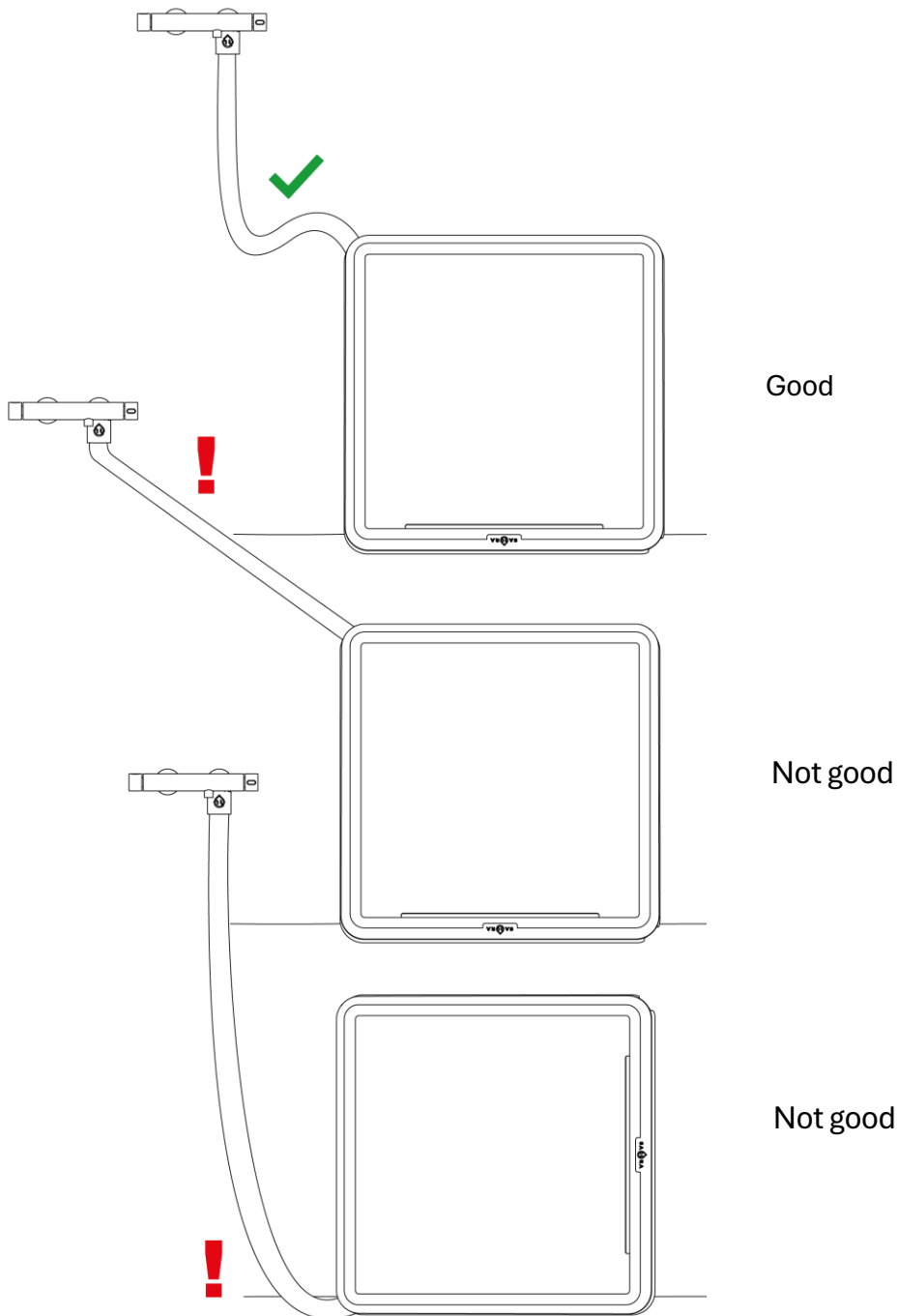
Before first use, flush the shower for at least 1 minute.



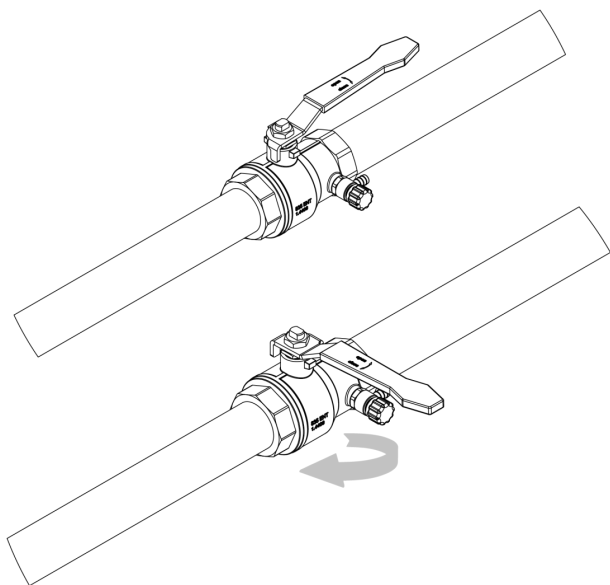
Use

General use

Please note! When you put the Flatmate in upright position, make sure that there is no tension on the hoses and that the hoses are not squeezed by the Flatmate. Never pull parts off the Flatmate.



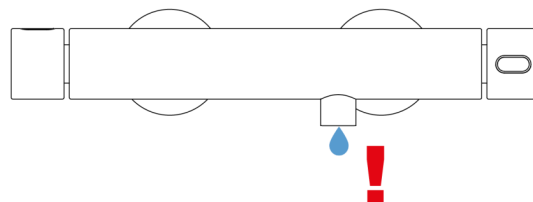
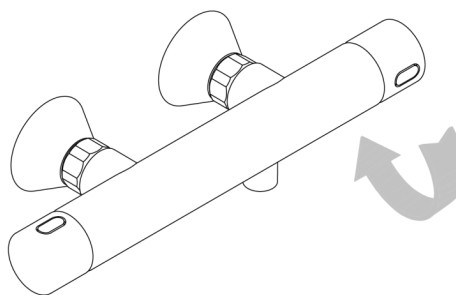
Please note! Never detach parts when the Flatmate is under water pressure. Close the main valve first and then open the shower tap until no more water comes out.



1

Close the main water shut-off valve.

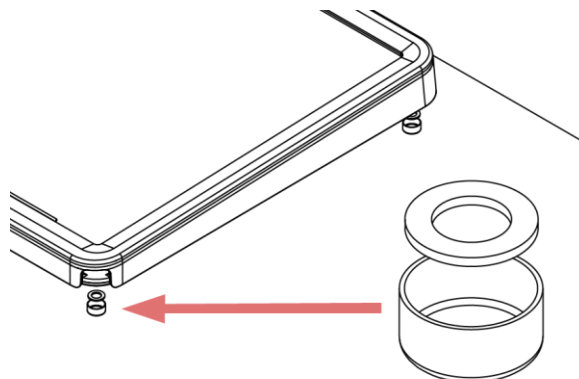
This is usually located in the meter cupboard, basement or crawl space.



2

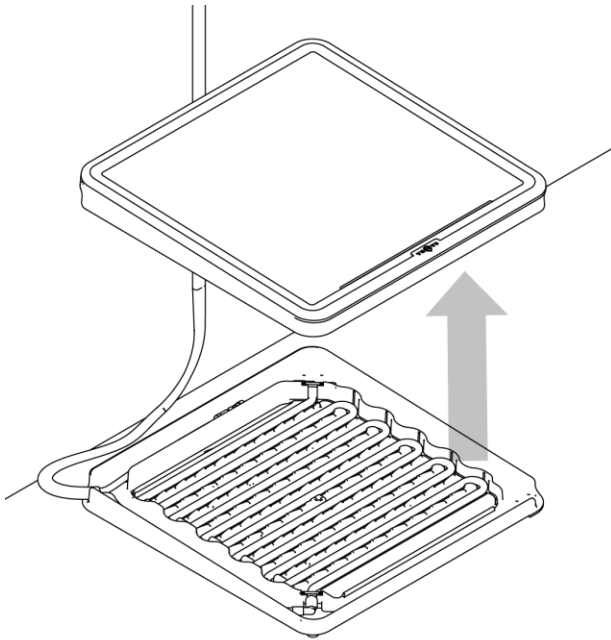
Open the shower tap and wait for the last water to run out.

Please note! Do not stand on the Flatmate if it rattles, feels unstable or bends too much. If necessary, adjust the feet (by placing one or a few adjusting rings supplied between the foot and the rubber foot cap).

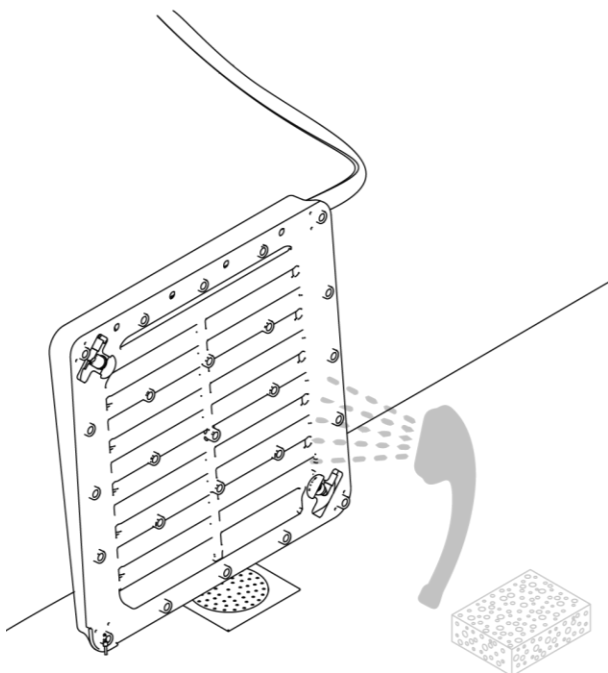
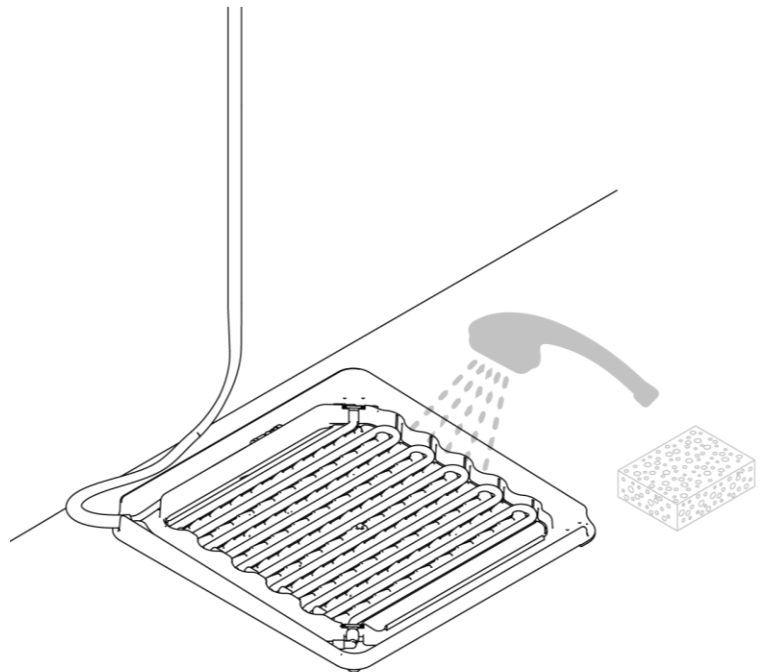


Cleaning of the Flatmate

To clean the Flatmate, only use green soap, pH-neutral all-purpose cleaner, warm water and a sponge. **Do not use abrasive cleaners, alcohol, vinegar, bleach, or other cleaners that contain aggressive acid or chlorine.** Never use a scouring pad for the top plate; this can cause dull spots.



Lift the Top off the Flatmate. Use the hand shower and if needed a sponge to clean the inside of the Flatmate.



Place the Flatmate against the wall to clean the bottom and shower floor.

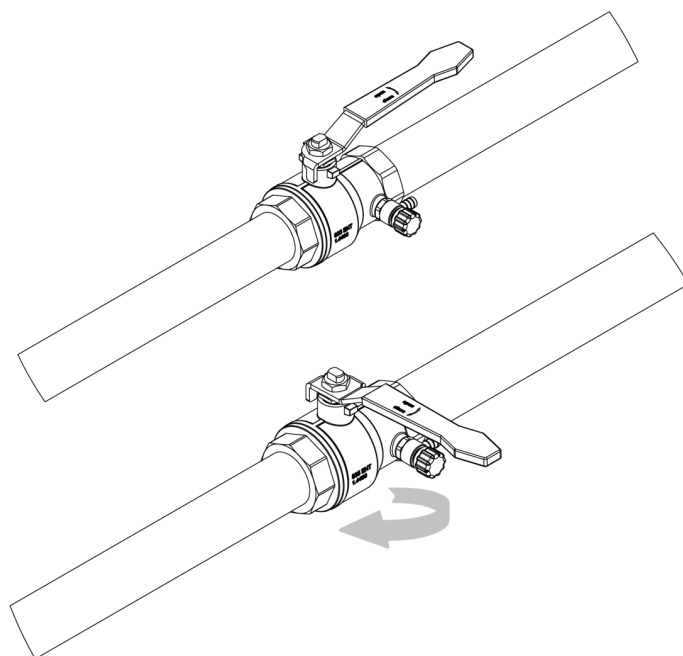
What to do in case of leakage

First, find out where the leak is coming from. It is most likely that this is near a connection. All hoses are secured with push-fit connectors. In the event of a leak, it may help to reassemble the leaking connection. Follow the steps below to do so.

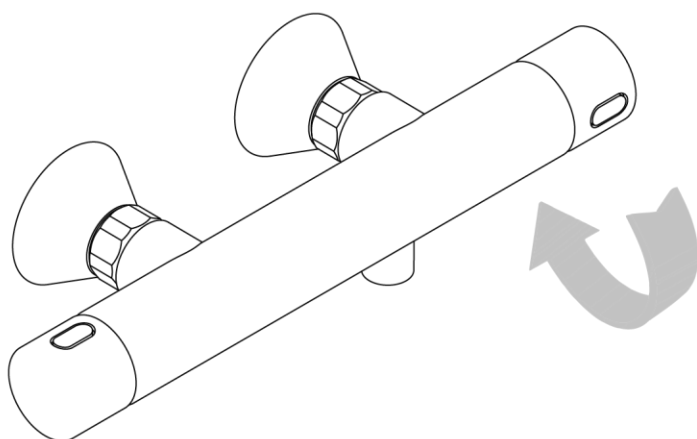
1

Close the main water shut-off valve.

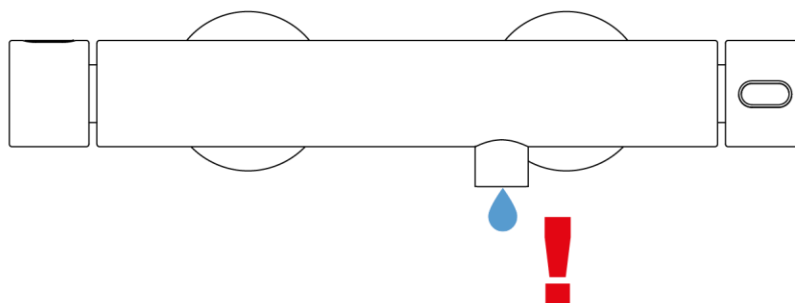
This is usually located in the meter cupboard, basement or crawl space.



2



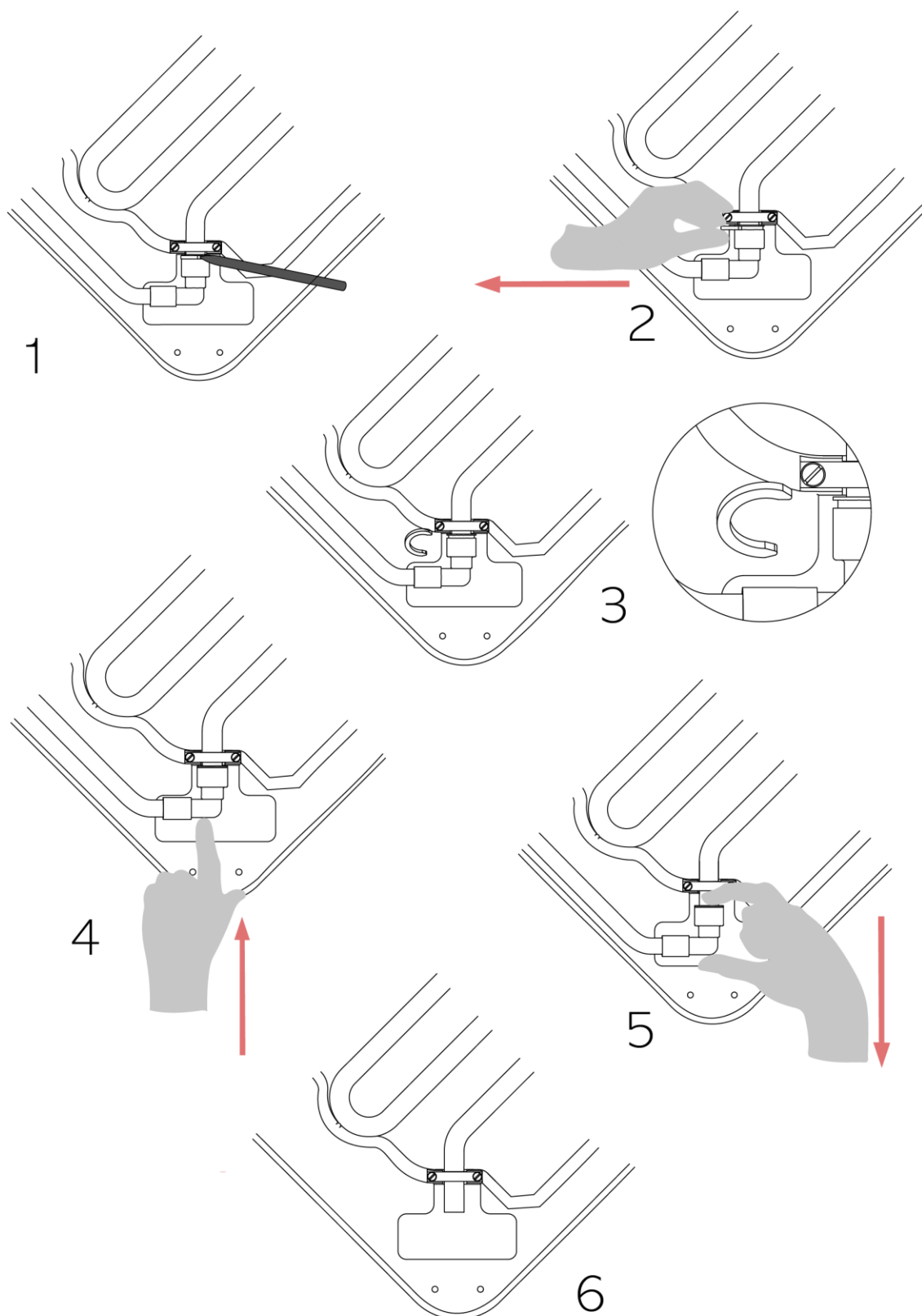
Open the shower tap and wait for the last water to run out.



Dismantle the connector as follows:

3

First, remove the retaining clip with a pen or pointed object. Push the connector and then slide it off the pipe while it is in the pushed-in position.

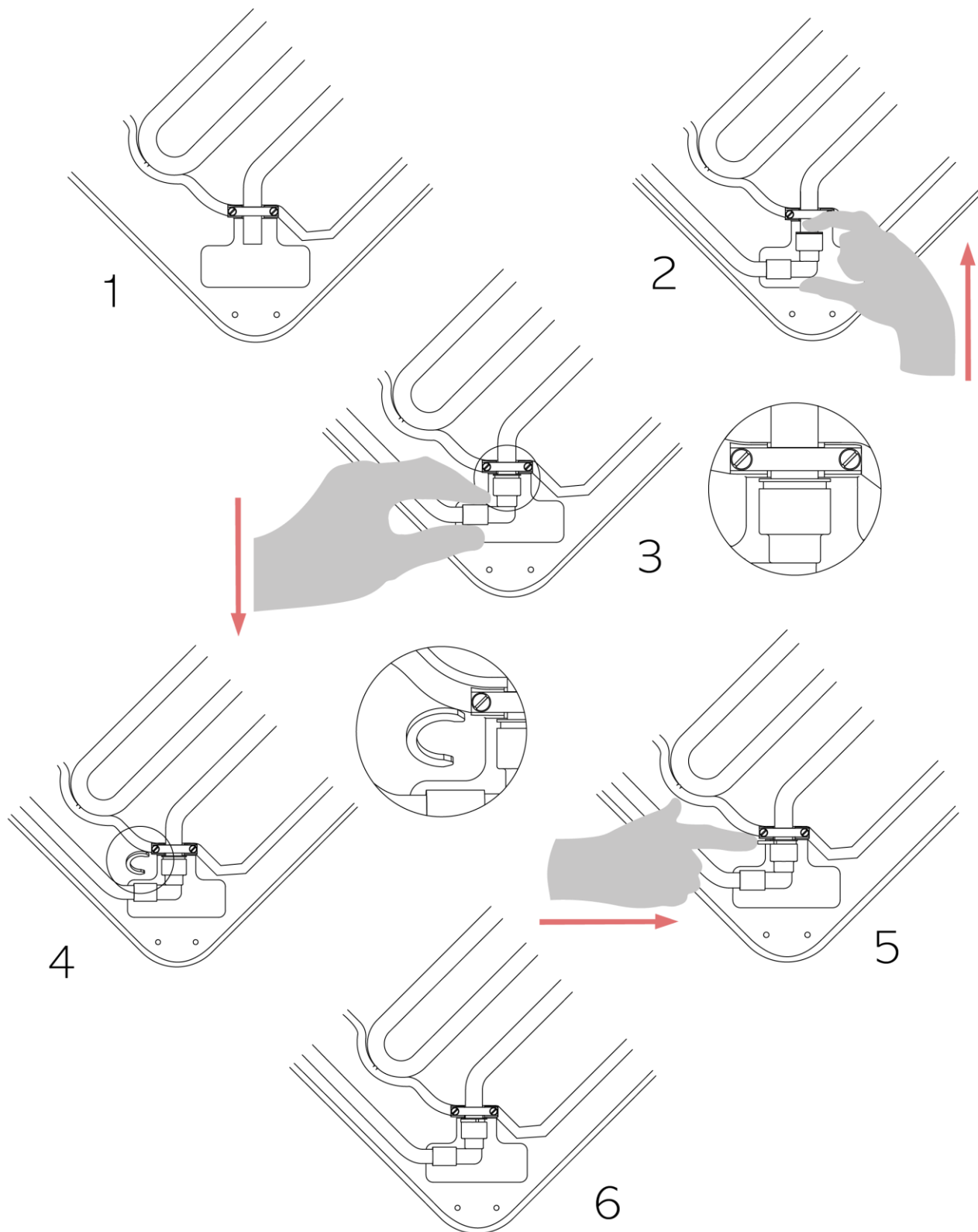


4

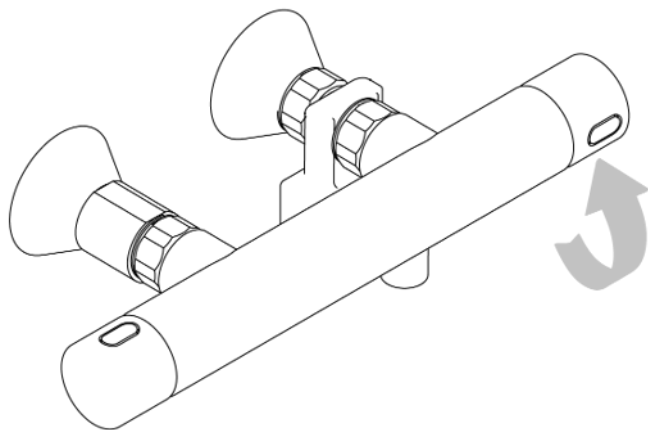
Install the push-fit connector as follows:

Slide the connector over the pipe in the pushed-in position.

Pull the connector back slightly to make room to insert the retaining clip. Then push the retaining clip into this space.

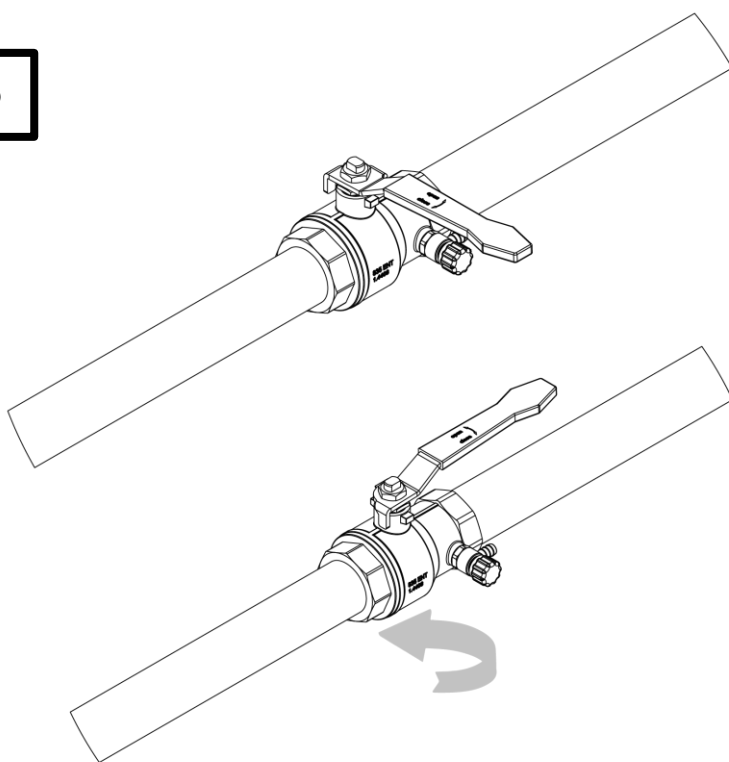


5



Check to make sure that the tap is closed.

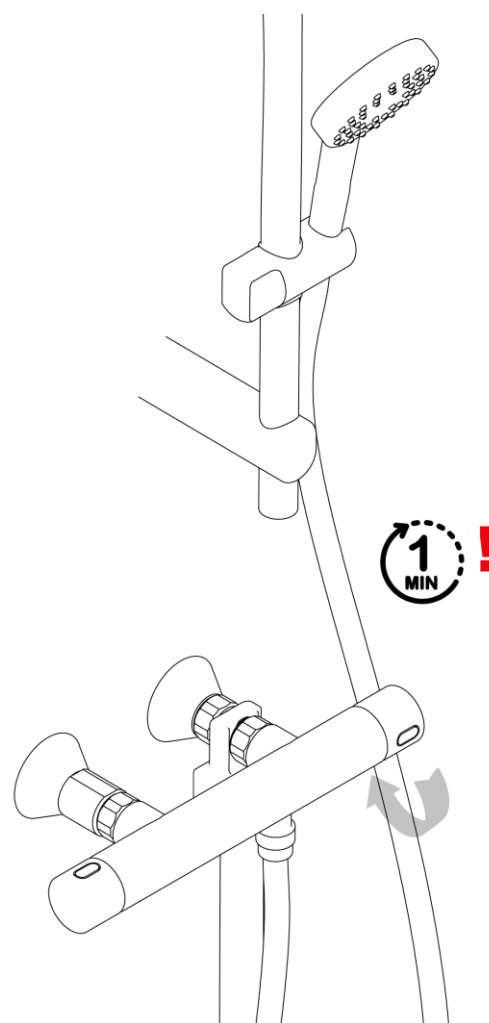
6



Open the main water shut-off valve.

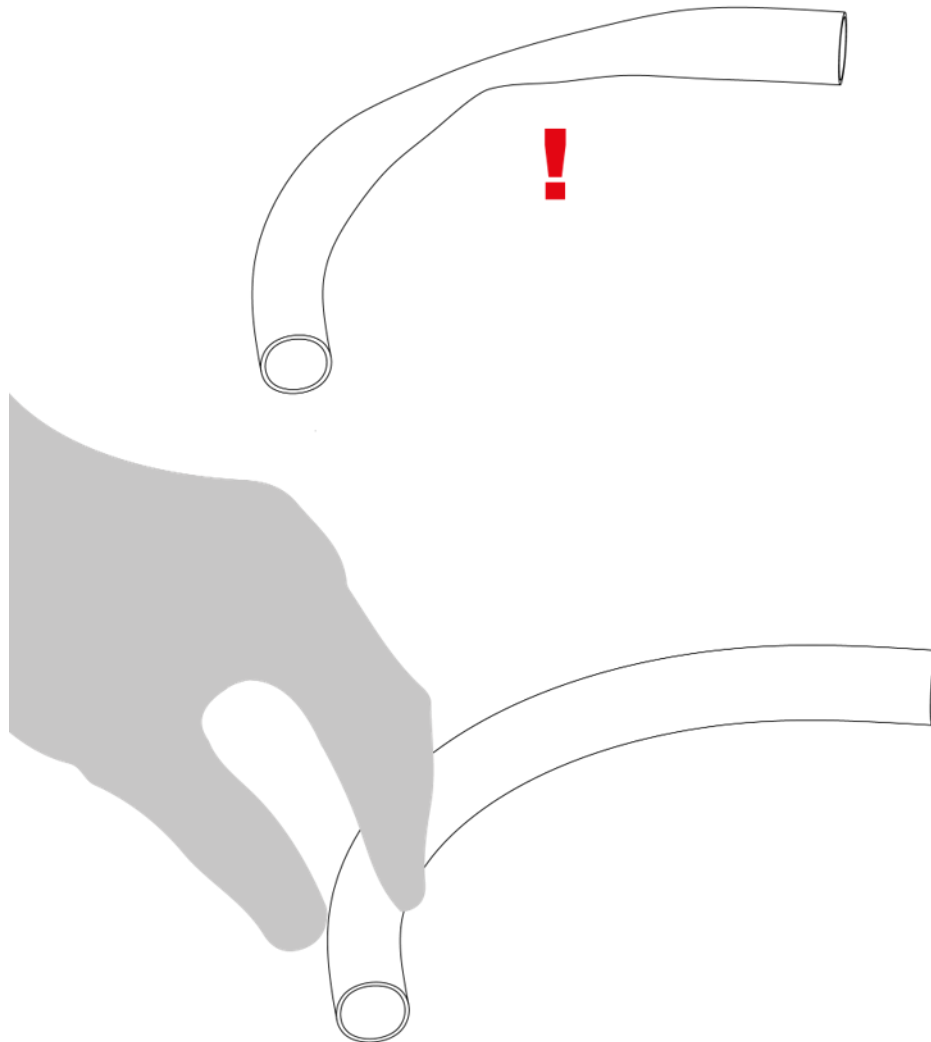
7

Before first use, flush the shower for at least 1 minute.



What to do in case of low pressure

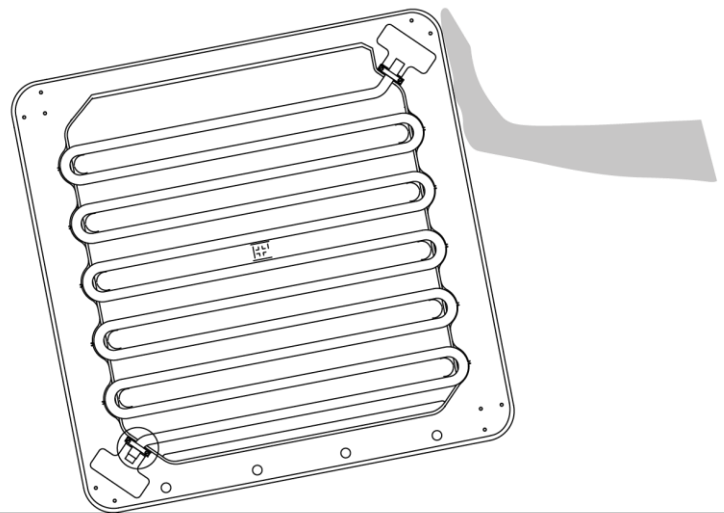
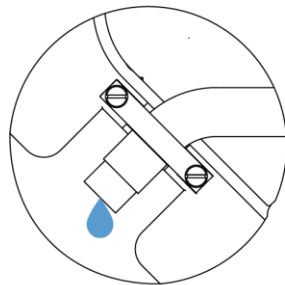
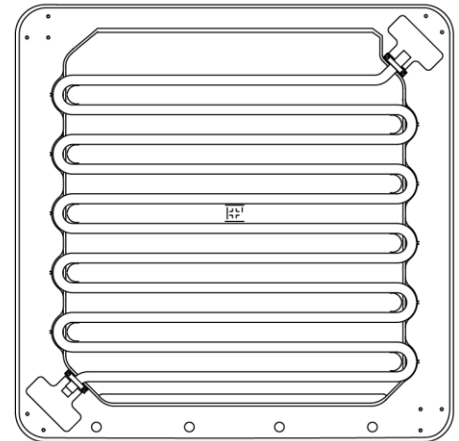
If the hoses are permanently squeezed, the water pressure may decrease. In that case, check all hoses and knead a pinched hose back into shape so that it allows water to pass through.



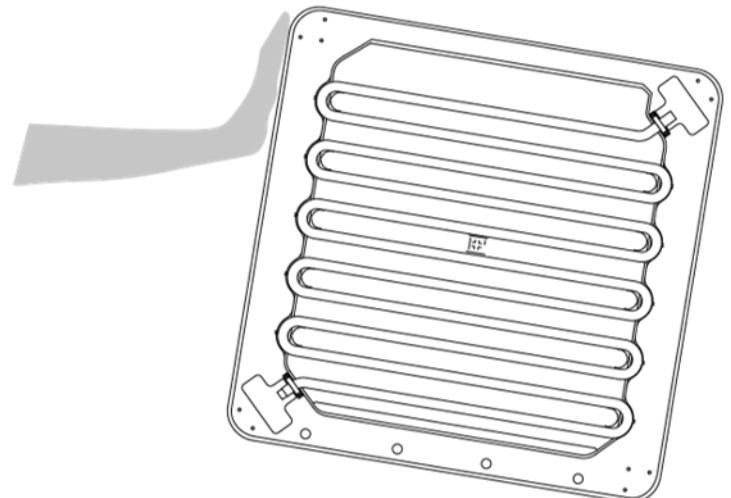
Emptying the heat exchanger

Disconnect the hoses from the heat exchanger by removing the push-fit connectors. To do this, follow the steps as described on the previous pages of this manual.

Place the heat exchanger upright so that the straight copper tubes are horizontal. Wait until there is no more water running out.



Tilt the heat exchanger alternately a little to the left and a little to the right. Repeat until no more water comes out.



Technical Specification & Performance

Parameter		
Efficiency 5.8 l/min	40.2%	0.14 bar pressure drop
Efficiency 9.2 l/min	36.6%	0.34 bar pressure drop
Content potable water	0.90 liter	
Max. pressure potable water side	7 bar	1 bar min / 3 bar recommended
Max. load	200 kg	
Max. temperature	60 °C	

Connection Scheme

