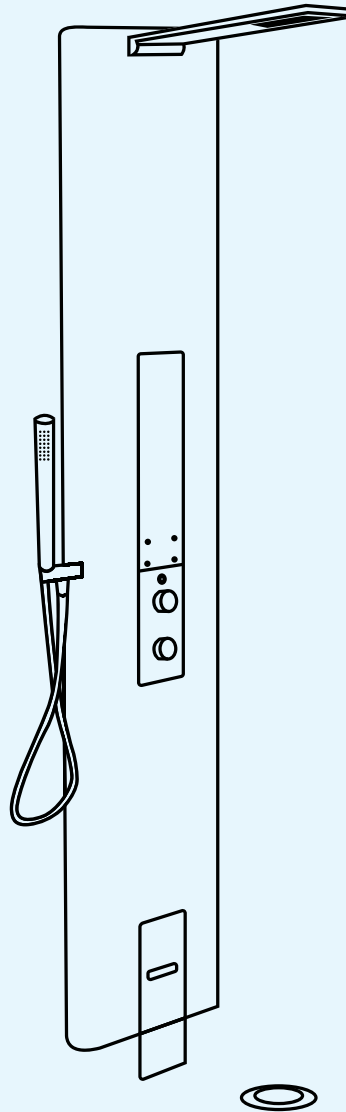


# flow loop

circular showers



## LOOP INSTALLATION GUIDE

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# 1 INTRODUCTION

This guide will take you through the steps of installing a LOOP shower (standard and uni-drain).

**It is assumed that the electrical connections have been prepared for the shower by the customer and that all requirements in the installation check are fulfilled.**

## 2 INSTALLATION - Tools and Parts

- Service toolbox
- Toolbelts
- Drill with driver bits (complete set) - with 2 batteries
- Ceramic 4-8 mm drill bit (complete set)
- Diamond drill bit - 6 mm
- Drill guide for diamond drill bit
- General 4-8 mm drill bit (complete set)
- First Aid kit
- Protective goggles
- Medical gloves
- Disinfection wipes
- Extension cord
- Step ladder
- Thermometer
- Pencil
- Hand broom and dustpan
- Cleaning agent/soap
- Hemp and paste, or teflon
- Rags/towels
- Sponges
- Cleaning cloth
- Fast drying silicone (clear and with sanitary anti-mold)
- Zip-ties/strips
- Cable clips, with nails
- Painting tape
- Note pad/paper to write on
- Trash bags
- Double-sided tape for cabling canals

## 3 INSTALLATION - Additional Tools and Parts for Non-Typical Installations

- Hacksaw
- Pipe cutter for stainless steel piping
- Stepped drill/conical drill (for installations with side inlets)
- A piece of wood or similar for protecting inside of system when drilling holes for side inlets
- Water barrier (if necessary)
- O-rings for 3/4" fitting and for 1/2" fittings
- Wall depth piping and wire scanner

## 4 INSTALLATION BOX - Contents That Need Assembly

- Control plate (user plate), with button and connectors
- Suction inlet, with plates
- Head shower assembly
- Diverter knob
- Temperature knob
- Drain cover
- Drain plug
- Hand shower hose
- Hand shower microphone
- Wall mount, with rubber (neoprene) for back of wall mount
- Base mount(s)
- Rawl plugs, 6 pieces
- Screws 4,5 x 60 mm, 4 pieces
- Washers M6 x 18 mm, 2 pieces
- M4 flat nuts, 8 pieces
- M4 x 12 mm machine bolts, 8 pieces (screwed in control plate and filter plate)
- 3,0 mm x 25 mm Torx10 screws for PSU box, 2 pieces
- Rawl plugs, 4x 25 for PSU box, 4 pieces
- Power supply box (contains 24V converter)
- Power cable, 5 m
- Plug 230V
- Extra filter
- Rubber for isolation (2 x long pieces for back, 2 x short pieces for wall bracket, additional piece for flexible length on inside of shower)

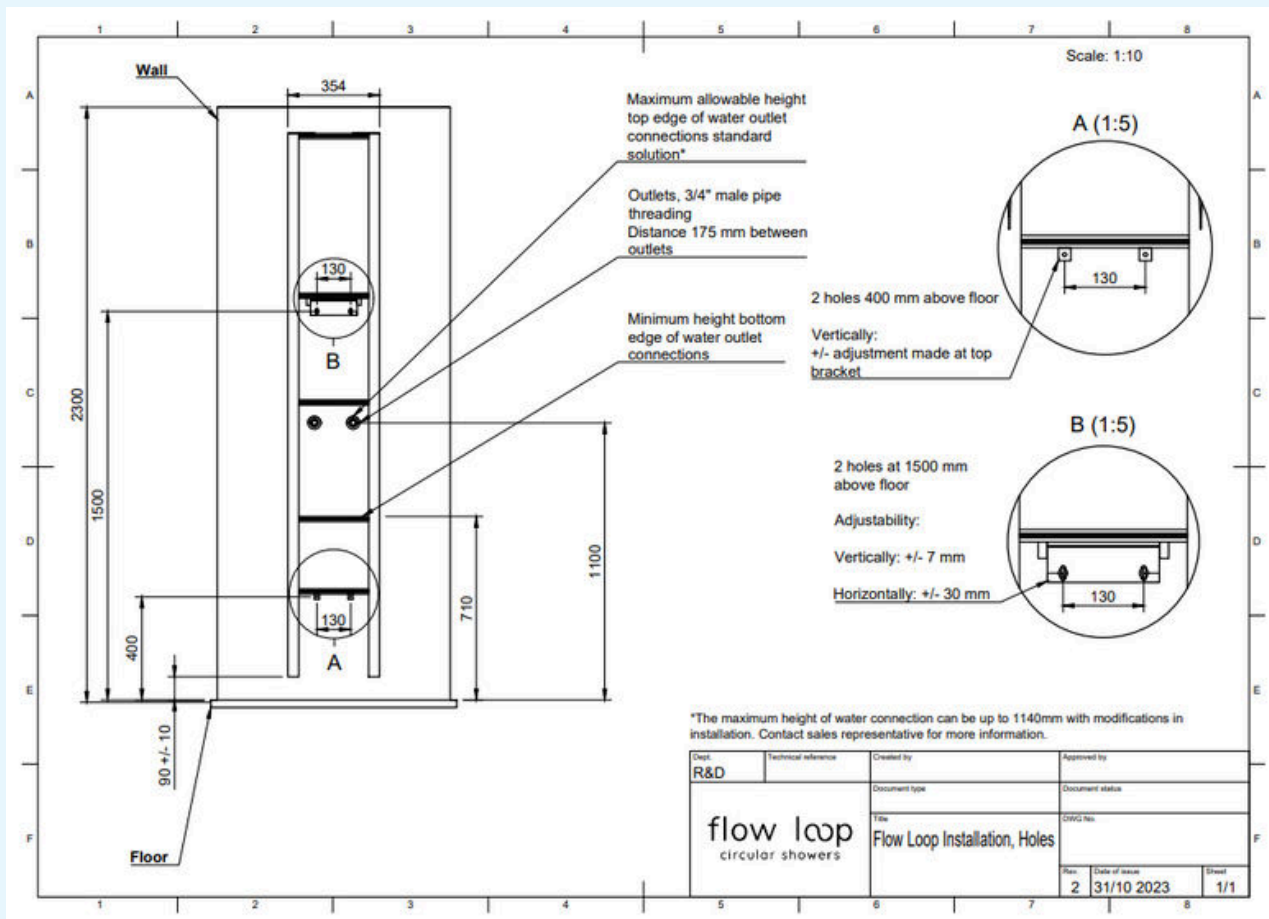
# 5 INSTALLATION PROCESS - Remove the existing shower

1. Shut off water supply.
2. Remove the existing shower apparatus, hand shower, head shower, hosing, etc.
3. Unscrew the existing thermostatic mixer.
4. Seal the existing holes with silicone.

## Measure and Mark for Hanging Bracket

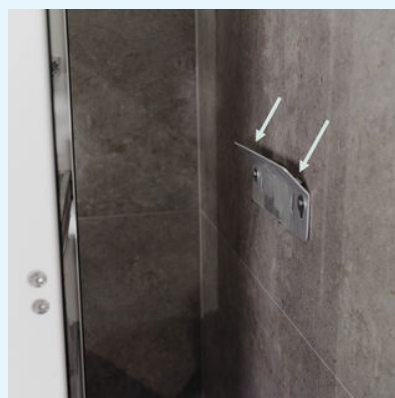
Measure and mark the placement of the 2 holes for the top wall bracket (see drawing).

- 1500 mm from the suction point to the wall, 150 mm apart centred on wall.
- The mounting bracket allows for alternative mounting holes - this is to be evaluated at the individual installation sides.



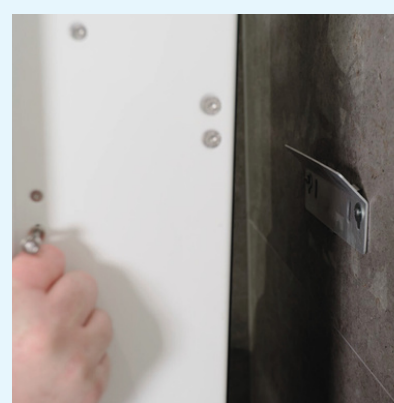
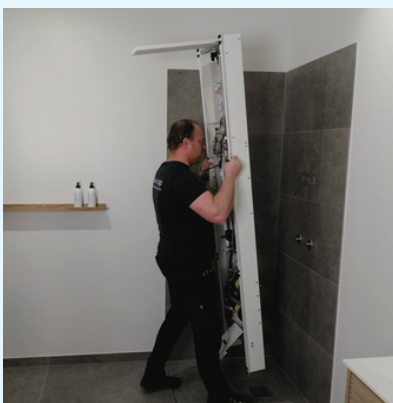
# Mounting the Hanging Bracket

1. Drill holes (6 mm).
2. Insert appropriate wall plug if applicable, silicone hole for water proving.
3. Attach rubber strips to the backside of the wall bracket on each side of the mounting holes (4 pieces).
4. Attach the wall bracket using pan head screws (60 x 4,5 mm) with washers between screw head and bracket.
5. Verify that the bracket is fixed properly to the wall.
6. Attach 2 x rubber strips over the complete length of the wall bracket on the side that will be in contact with the shower frame. Place one close to the wall and one close to the edge of the bracket. No metal parts should touch after the rubber strips are applied.



## Placing the System

1. Place the long rubber pads on the whole back of the shower. This will help avoid scratching and reduce vibration.
2. Add the head shower to the system.
3. Verify the adjustable part of the suction inlet as far up as it goes, and that the suction inlet can open (see picture).
4. Place a mat or a towel on the floor beneath the wall bracket to avoid damage to the floor when handling the system frame.
5. Lift the system frame into place.
  - Be careful to align the top wall bracket with the frame bracket and two brackets properly before lowering the system.

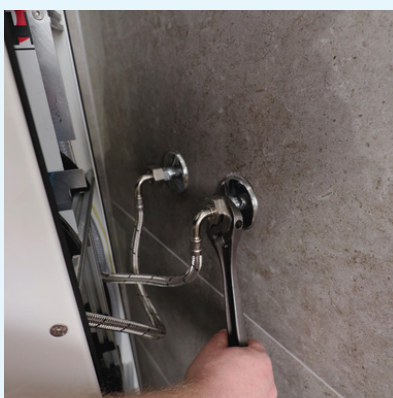


## Bottom Angle-Brackets Base Mounts

1. Verify that the system is positioned where it should be.
2. Mark the wall where the holes need to be drilled.
3. Move the brackets away while drilling the holes. Loosen the screws on the bottom of the aluminum profile.
4. Drill holes (6 mm) and in rawl plugs silicone in the holes for water proofing (rubber spacer for water proofing).
5. Move the brackets back and retighten the screws on the aluminum profile.
6. Mount screws in the rawl plugs and tighten them to the bracket.

## Connect Flexi Water Hoses

1. Flush both the hot water and the cold water by turning on the water briefly and shutting off again. **Be careful of the hot water running out.**
2. Attach water hoses from the system to the utility connections and tighten the union nut. Make sure the pipes are crossing on the inside of the shower, not behind the shower. If necessary, use hemp and lubricant paste. **NB: The hot and cold hoses are reversed on the system - Cold is left, and hot is right, seen from the front of the shower.**
3. After the water hoses have been tightened, turn on the water. Check for leaks at the connections.



## Power connection

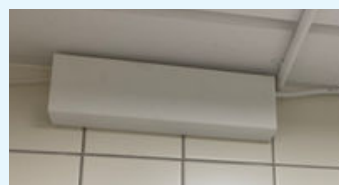
1. LOOP shower runs on 24V. LOOP is powered by a transformer that converts 230V to 24V.
2. The transformer must be placed in zone 3. Mount the box with the transformer in the desired location.
3. Feed the cable from the transformer to the LOOP.
4. Feed the cable through the cable plug



Danish  
Electricity rules



3. Cable feed to LOOP.



2. Box with  
transformer



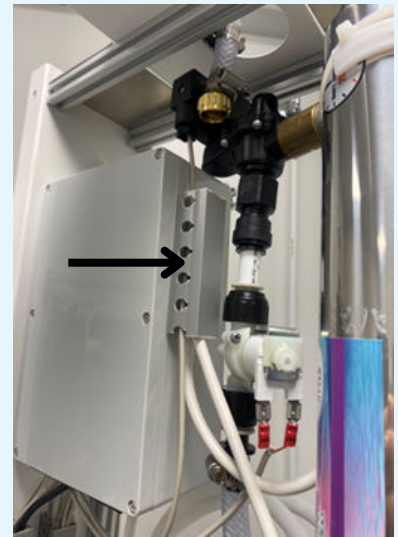
4. Cable entry  
via cable plug.



5. Connect the cable from the transformer to the cable from the gray box inside the shower.



6. Store the cable assembly in the cable tray.



7. Place the lid on the cable tray.

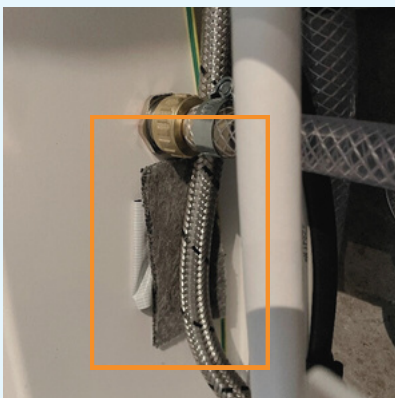
8. Now LOOP can be connected to power by plugging in the 230V plug.

## Wet-Test/Leak Test

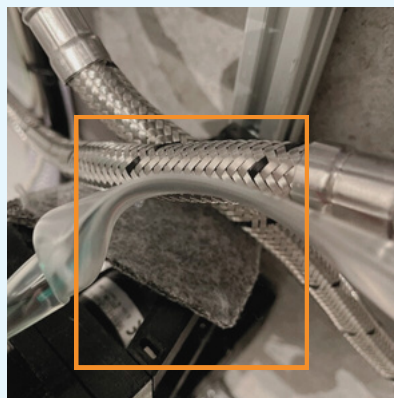
1. Leak test the installation and internal pipework via the hand shower.
2. Especially check the supply connection, filter fitting, and flexi connections at the inlet water solenoids.

## Sound Proofing

1. Attach rubber pads between any metal or hard plastic parts touching on the inside of the shower:



Rubber pad between metal piping and frame



Rubber pad between diverter and metal pipes



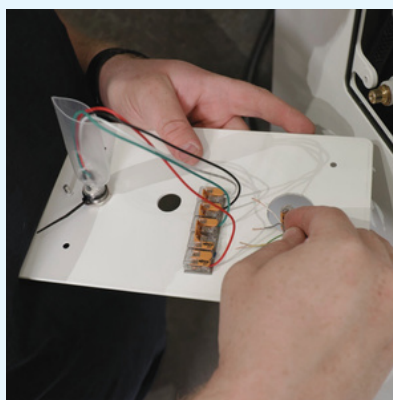
Rubber pad between frame and fittings going to the pump

# Mounting of the Front Cover

1. Set the filter lid hinge in its 'open' position.
2. Open suction inlet lid.
  - a) This is necessary to pass the two alignment pieces when installing the front cover.
  - b) Place the suction inlet into the lifting mechanism.
  - c) Make adjustments to fit the installation height and flooring.
    - i. Ensure that the suction inlet cover (metal part) is sitting 2-5 mm from the floor.
    - ii. Tighten nuts in the bottom, so it is possible to lift the suction inlet with handle as intended.



3. Attach the electrical cables to the control plate.



### Red cable user plate:

- Connect **RED** - **LIGHT GREEN** (from shower)
- Connect **GREEN** - **YELLOW** (from shower)
- Connect **BLACK** - **GREY** (from shower)
- Connect **WHITE** - **WHITE** (from shower)
- The brown cable is not connected.

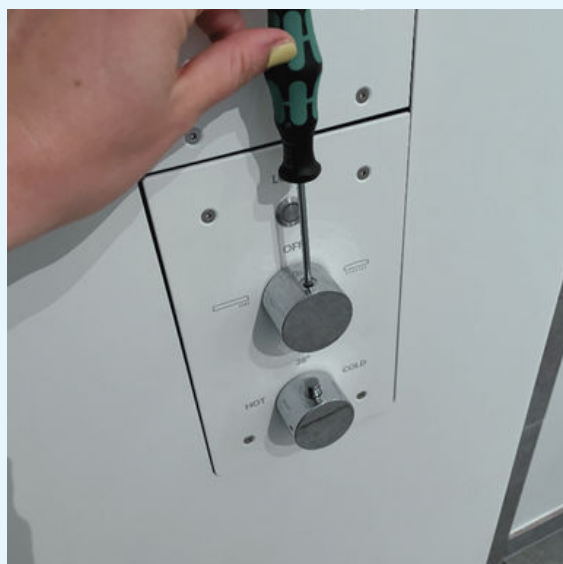
### Green cable user plate:

- Connect **GREEN** - **LIGHT GREEN** (from shower)
- Connect **GREY** - **GREY** (from shower)
- Connect **YELLOW** - **YELLOW** (from shower)
- Connect **WHITE** - **WHITE** (from shower)
- The brown cable is not connected.

4. Lift the front cover and align it with the from.
5. Carefully move the cover inwards until contact with the bolts on the front cover has been made with the side pieces of the frame.
6. Lift the front cover slowly until the bolts on the front cover mates with the key holes in the side pieces.
7. Once the front cover is placed, gently screw in the locking nuts on all 8 screws on the back of the front.
8. Verify that the front cover is placed correctly in top and bottom visually or by feeling the edges of the side panels and the front cover are parallel.

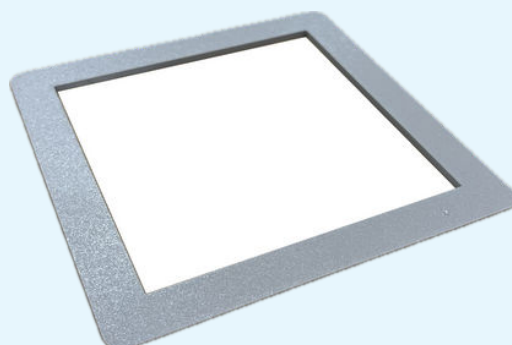
## Installation Process - User Knobs

1. Screw in the user plate.
2. Attach the plastic piece to the thermostat.
3. Attach the user knobs. The flow knob is screwed in from the above, the thermostat from below.



## Installation Process - Drain (point)

1. Take out the old drain.
2. Insert the Flow Loop drain.
3. Ensure that the drain is sitting tight.
4. If necessary, increase the seal with a plastic frame and silicone.



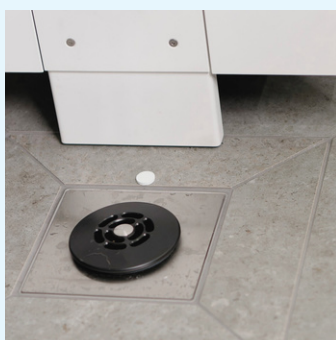
## Installation Process - Drain (Unidrain)

1. Take out the old drain.
2. Insert the Flow Loop drain.
3. Ensure that the drainplug is placed in the bottom position.
4. Ensure that the drain pipe (sitting behind the suction) is pointed towards the drain.
5. Turn on the shower in shower (non-recirculating, LED on LOOP-button off) to ensure that the drain pipe is directed towards the drain. While in shower mode, water will come out of the drain pipe.



## Installation Process - Shower test

1. System test and CIP:
  - Test hand and head shower.
  - Test shower and LOOP mode.
  - Run CIP (place CIP tablet on floor, put hand shower on floor and press the button in the filter hatch for 5 seconds).
  - Ensure that the backwash is working.
  - Ensure that the drain is tight.
2. Run reference shower.
3. Ensure that the water temperature is around 38 degrees when the thermostat is set to neutral (middle position).
4. Leak test of drain.
  - Stop system/fill the floor with water and observe the water level. Ensure that the water level stays the same and no leakage occurs.



## Installation Process - Finish

1. System test wrap up.
  - When installation wet-test has passed, ensure that all components are in place.
2. Clean installation site.
  - Drilling dust.
  - Finger handling marks on front and side pieces.



Finished linear drain.



Finished point drain.