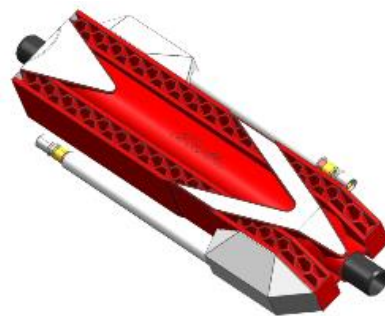




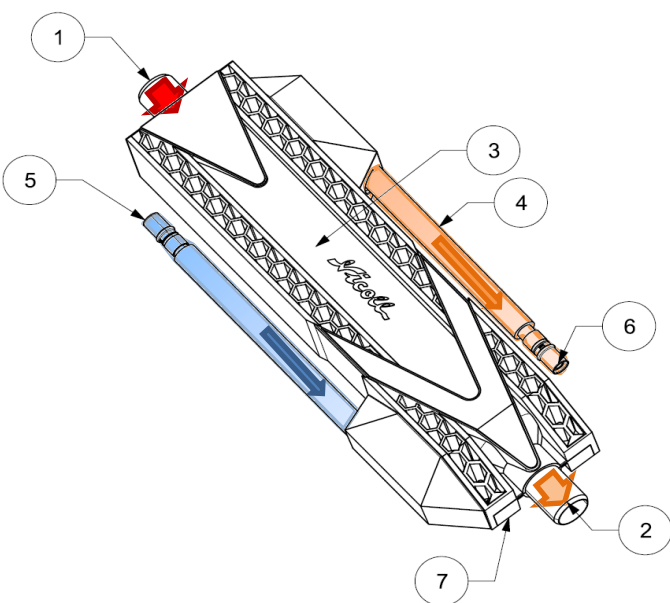
RECH40CAL HORIZONTAL WASTEWATER HEAT RECOVERY UNIT

FUNCTION :

- Recovers heat from the shower wastewater to preheat the cold water at the inlet of the thermostatic mixer, reducing the amount of hot water needed for the shower.



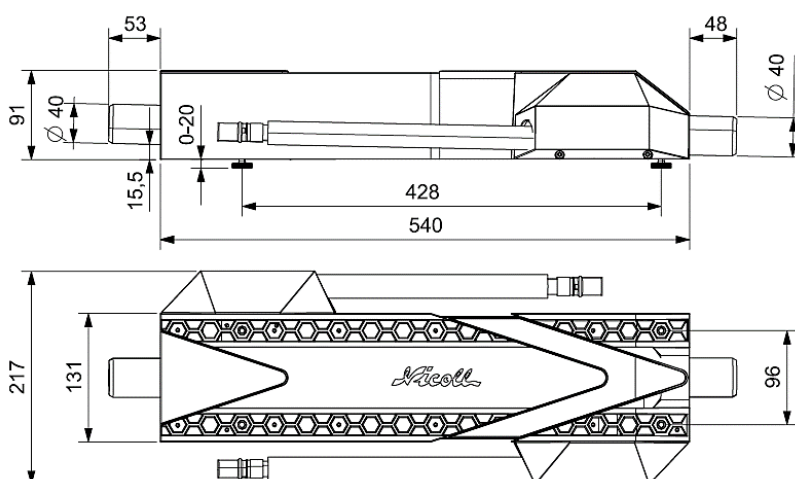
DESCRIPTION :



N°	Item	Description	Material	Connection	Qty
1	Shower water inlet	Inlet tube Ø 40 male	PVC	Glue	1
2	Shower water outlet	Outlet tube Ø 40 male	PVC	Glue	1
3		Body and cover of the recuperator	ABS	-	1
4		Insulation	PEF foam	-	2
5	Cold water inlet	Fluxo multilayer connection Ø 16	Inox/Brass/Copper	Crimping	1
6	Pre Heated water outlet				1
7		Adjustable feet / hanging inserts M6	Steel/Polymer	Crimping	4

FEATURES :

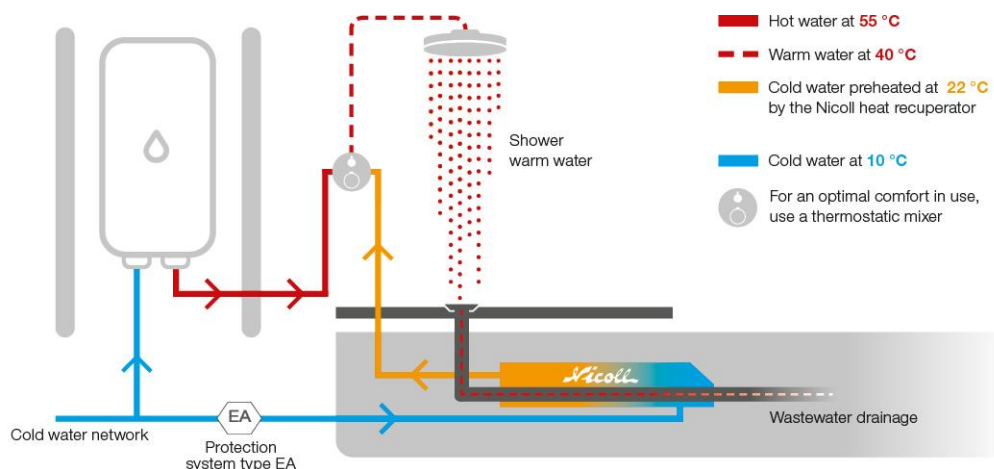
- Efficiency = 20% - Ctrans = 0.94
- Colour : red and white
- Maximum drainage rate 25 L/min
- Recommended drainage rate 12.5 L/min (optimum efficiency)
- Operating temperature between 5 °C and 60 °C
- Maximum pressure 6 bar
- Weight 5 kg





RECH40CAL HORIZONTAL WASTEWATER HEAT RECOVERY UNIT

IMPLEMENTATION (in mixer configuration):



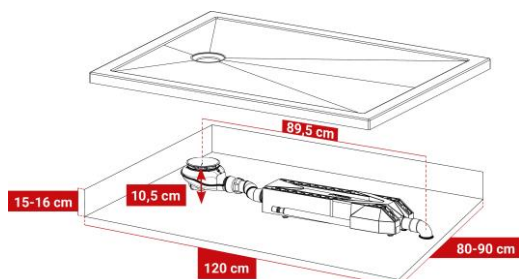
Favour use of a Nicoll Turboflow2 high flow shower trap or a trap from the Docia SICAX or SICAN range in order to avoid any risk of clogging the recovery unit.

In accordance with EN 1717, the heat recovery unit must be equipped with a protection system type EA (valve + check valve type EA) upstream to protect the cold-water network.

DIMENSIONS OF RECESS :

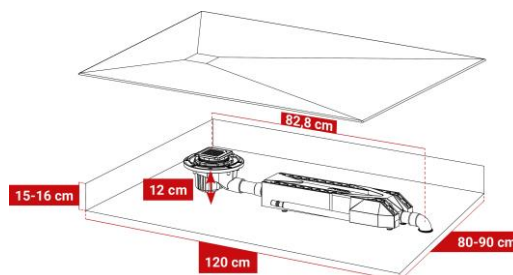
In each of the cases below, position the drain connection opposite the draining hole.

• Under shower tray :



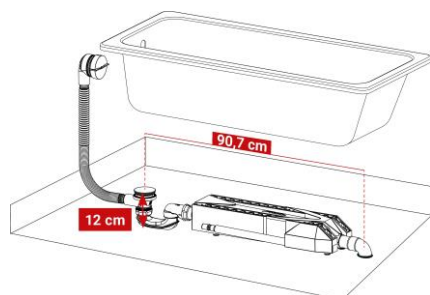
Height of **10.5 cm** under the shower tray with **Turboflow®2** universal drain, set of 45° elbows almost flat.

• Tiled shower :



Height of **12 cm** before the slope is formed and the floor covering is laid with **SICAX**. Minimum covering of **2 cm** of screed above the recuperator.

• Under bathtub (in shower mode) :



12 cm height under bath with **Easybain®**.

• Other possible applications :

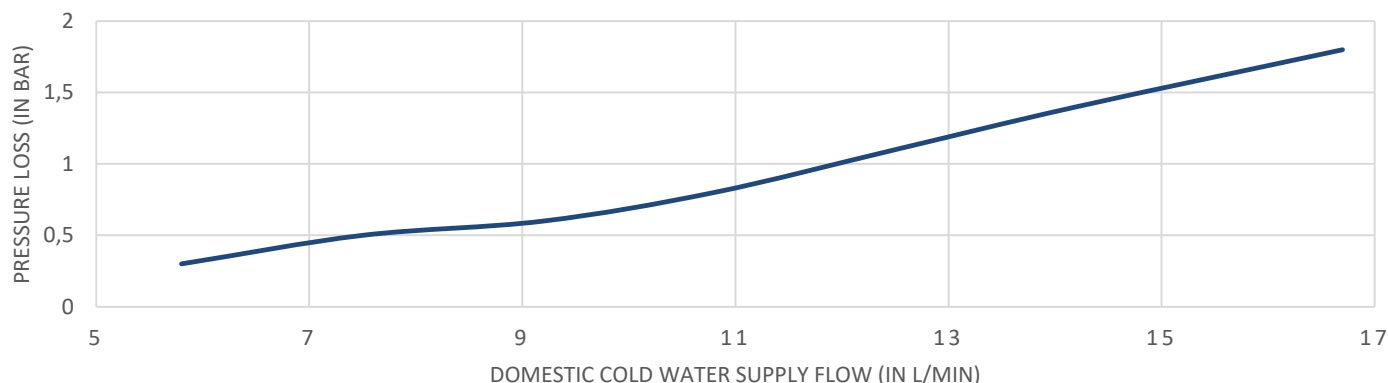
- ✓ in suspended ceilings.
- ✓ in basement.
- ✓ in visitable crawl space, cold water/pre-heated water connection insulated class 2.

For any other type of installation, ask your Nicoll technical expert for more information.



RECH40CAL HORIZONTAL WASTEWATER HEAT RECOVERY UNIT

PRESSURE DROP IN BAR :



INSTALLATION :

Refer to and comply with the requirements of the installation instructions.

MAINTENANCE :

- After using detergents, be sure to follow the usual rinsing instructions.
- Use of strong acids (such as sulphuric acid) for the maintenance and unclogging of pipes is forbidden.

REGULATIONS / CERTIFICATES :

- Performance certified by CSTB according to test protocol RECADO_PQE_EAU_CAPE_R3 (report CAPE 21-04829)
- Double envelope heat exchanger compliant with EN 1717

THERMAL AND ENERGETICS REGULATION :

Depending on the thermal and energy regulations applicable in the country of installation, the heat recovery system may provide a bonus in the calculation of the building's environmental impact.

It is recommended to consult a local thermal engineering office regarding installation requirements that may be required to obtain this bonus (e.g., thermal insulation, length of piping ...).

WARRANTY :

The heat recovery unit is guaranteed in accordance with Nicoll general terms and conditions for an extended period of 5 years.