

DOMVS CIRC 2 - HOT DOMESTIC WATER RECYCLING KIT FOR STORAGE TANKS

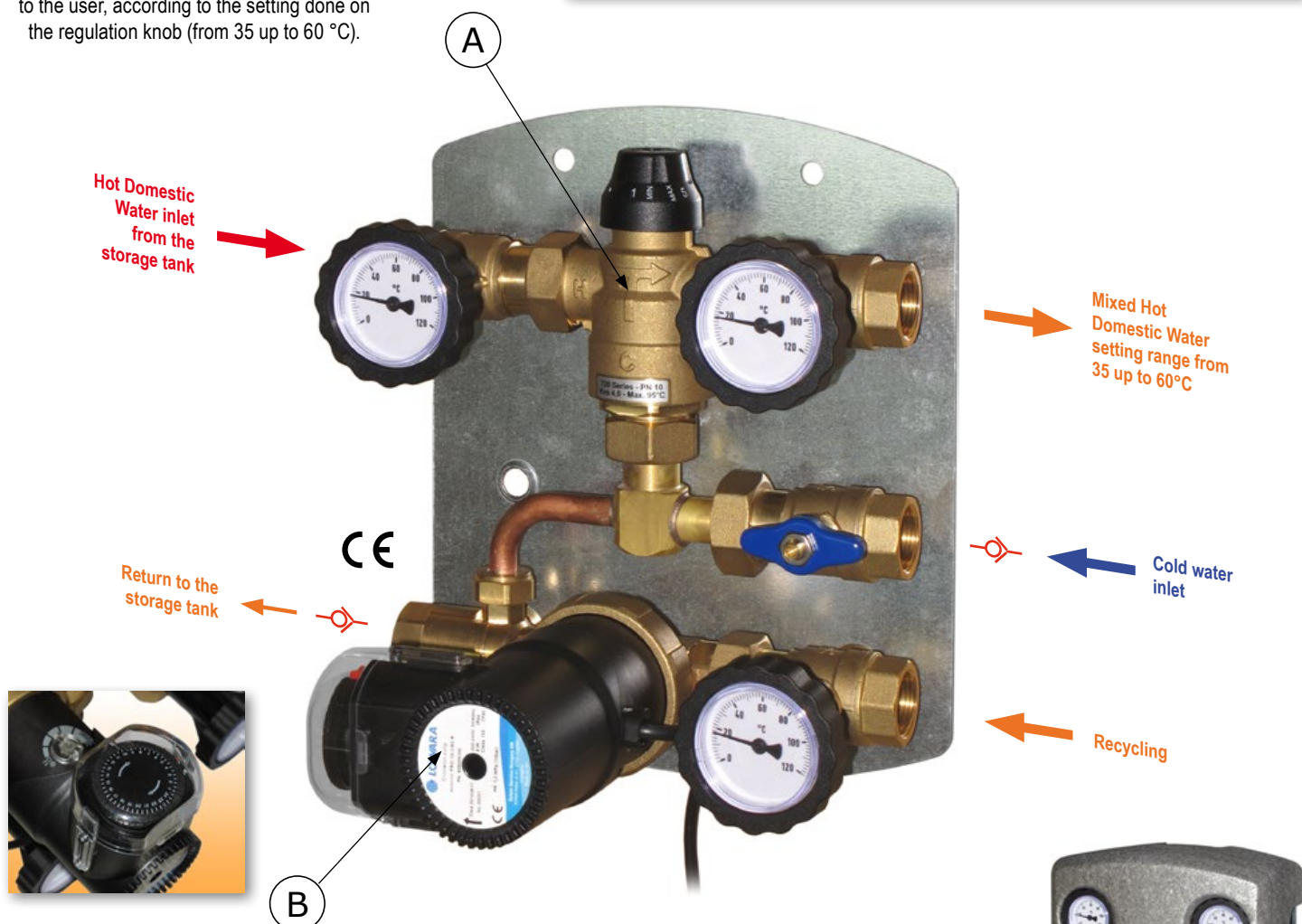
List and basic technical features of the main components

(A) Anti-scald thermostatic mixer

The thermostatic mixer controls and restricts continuously the temperature of the water sent to the user, according to the setting done on the regulation knob (from 35 up to 60 °C).



SAFETY: Please read carefully the mounting and the setting working instructions before starting the unit, in order to avoid accidents and failures caused by an incorrect use of the product. Please keep this manual for future consultations.



(B) High efficiency circulating pump for the recycling loop

High efficiency circulating pump with temperature sensor to restrict its working time, keeping the water in the piping at the desired temperature. The pump automatically stops when the water temperature reaches the value set on the body of the motor (between 20 and 70°C). The model equipped also with timer, shown in the picture, allows a better energy saving.

EPP insulation box
Measurements:
256 x 312 x 134 mm.

Technical Features

Static maximum pressure:	10 bar (PN10)
Dynamic maximum pressure:	5 bar
Maximum ratio between the pressures:	2:1
Maximum inlet temperature of the mixing valve:	95 °C
User's adjustment temperature range:	35÷60 °C
Setting accuracy:	±2 °C
Connections:	3/4" Female

Available models

✓ For medium use, up to 82 l/min (1,5 bar):	Kvs 4,0
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DANGER: SCALD

Setting temperatures of the thermostatic mixing valve higher than 55°C may cause scalds in a very short time, particularly to the children. Therefore we recommend to install a security anti-scald device in the crucial outlets.

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1. Employment

The kit allows to make in an easy way the connections between the hot domestic water circulation towards a storage tank. The kit preassembled and insulated, by means of an anti-scald thermostatic mixer allows to set the user's hot water temperature from 35 up to 60°C.

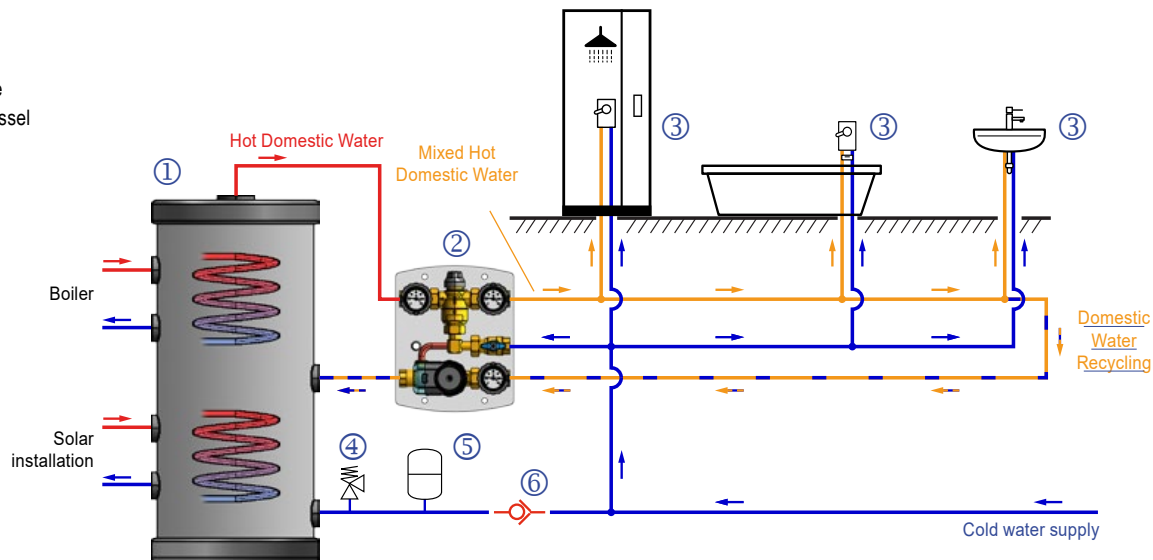
The recycling loop temperature is adjusted in an independent way by a special thermostat placed on the high efficiency circulating pump, meanwhile a special back metal plate makes easy the installation both to the wall and to the storage tank.

2. Working

The kit has a special by-pass that allows the recycling without interfering with the content of the storage tank. A small quantity of water flows into the storage tank only when the temperature is going to reduce: in that way the stratification is not compromised. The flow of the recycling loop remains active until when the thermostat and timer settings are satisfied.

3. Connection hydraulic scheme

- ① Storage tank
- ② DomvS Circ 2
- ③ Users
- ④ Security valve
- ⑤ Expansion vessel
- ⑥ Check valve



4. Mounting

Before mounting the recycling kit, the domestic water loop must be cleaned. Check valves are not required: they are already mounted inside the kit components, as shown in the introductory picture at the first page.

Once the installation finished put the protection cover.

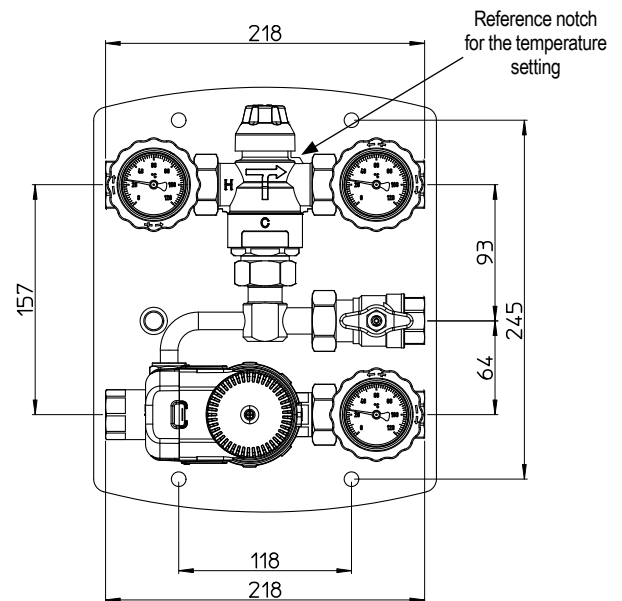
5. Starting up and setting

- ✓ Put slowly the installation into pressure;
- ✓ Purge completely the air from the loop;
- ✓ Adjust the flow temperature of the HDW by means of the knob of the mixer;

Adjustment of the user's temperature: as regards the mixing valve working and setting please look to the specific instructions here enclosed, referring to the DN25 (Kvs 4,0) model.

- ✓ Restrict the recycling temperature by means of the circulating pump thermostat;
- ✓ In case set the working times of recycling (for the models equipped with timer).

Circulating pump: as regards the working of the circulating pump thermostat and timer (if present) please refer to the enclosed manual.



Electric connections



The pump unit is fully pre-wired. Provide a Shuko type plug for the connection of the electric system.
Voltage: 230 VAC \pm 10%.
Frequency: 50 Hz.
Maximum absorbed power: 9 W.

