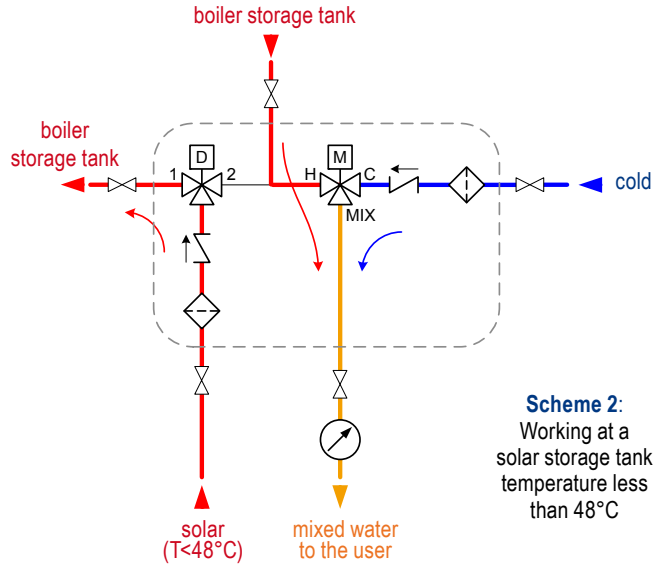
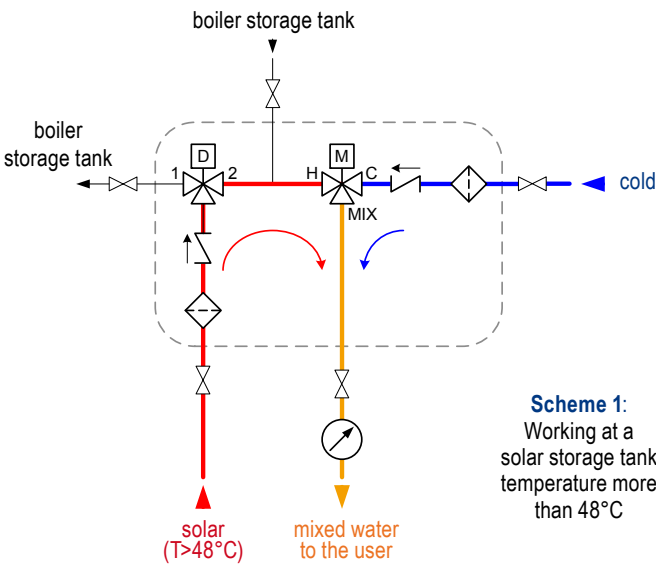
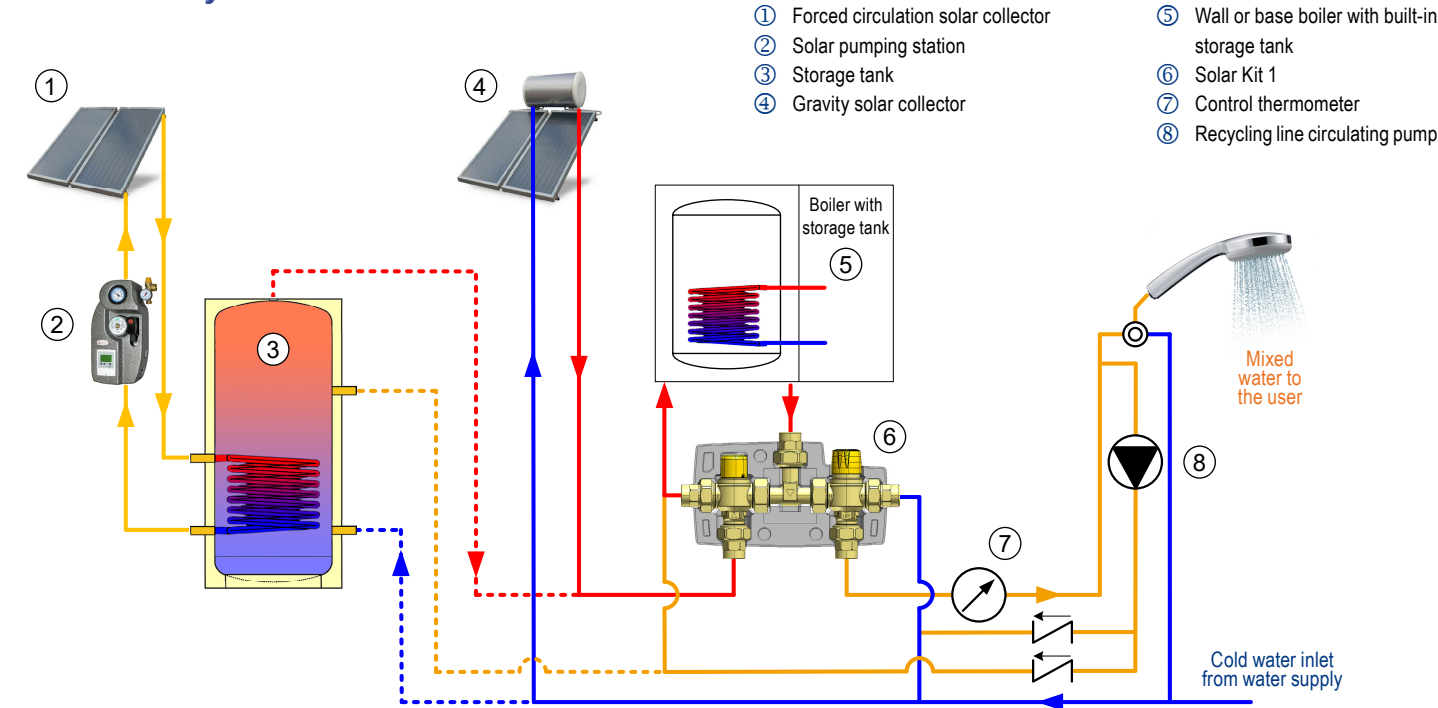


SOLAR KIT 1 - THERMOSTATIC SOLAR BOILER CONNECTION KIT

Connection hydraulic scheme



-  **Preset automatic thermostatic diverting valve;** outlet toward gate 1 when the temperature is less than 48°C ; towards gate 2 when it is more than 48°C .
-  **Anti-scald thermostatic mixing valve, adjustable from 30 up to 65°C ;** hot water inlet "H" from the union, cold water inlet "C" from water supply; mixed hot water outlet MIX towards the user.

-  **Solar check valve** built-in the 3/4" Male union
-  **Control thermometer** (not included into the kit)
-  **Filter** built-in the 3/4" Male union
-  **Isolating valve;** to isolate the kit in case of service (not included into the kit).



Temperature setting

The temperature setting is done by rotating the knob to put the requested temperature value on the reference notch.

Temperatures at the reference notches:

MIN	1	2	3	4	5	MAX
$\sim 26^{\circ}\text{C}$	30°C	34°C	41°C	51°C	63°C	$\sim 65^{\circ}\text{C}$

The above indicated values are related to the following operational conditions:
 $T_H = 65^{\circ}\text{C}$ $T_C = 15^{\circ}\text{C}$ $P = 3 \text{ bar}$



ANTI-SCALD SAFETY

The anti-scald function automatically cuts the hot water flow in case of failure of the cold water circuit. This security is operating at a temperature difference of 10 K between the hot water inlet temperature and the mixed outlet temperature. Check this operation when the installation is running by closing the cold water isolating valve: the outlet flow of the mixed water must come down to zero very quickly.