



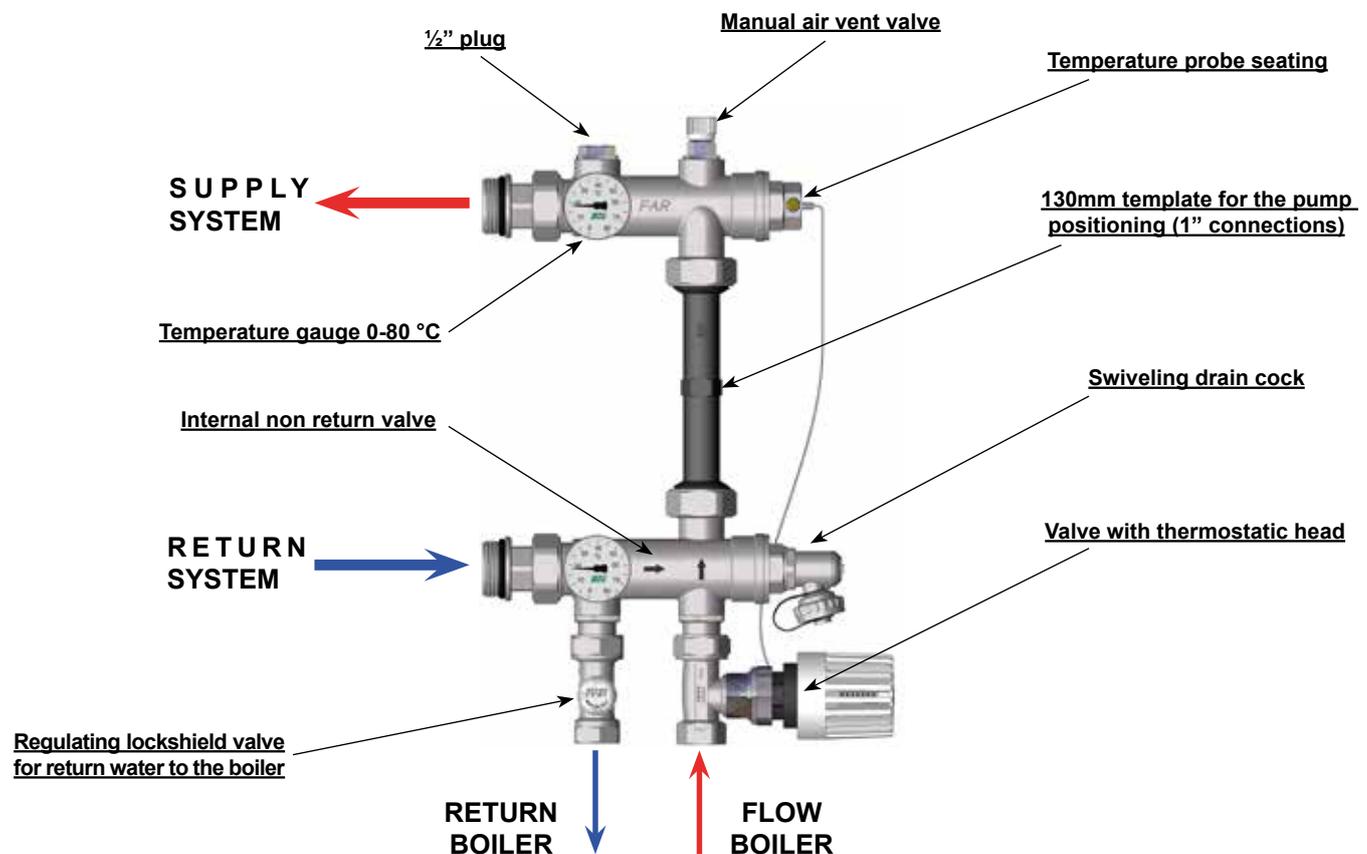
## Set point regulating unit for underfloor heating systems with thermostatic valve

### Art.3497



The set point regulating unit Art. 3497 is suitable for use in underfloor heating systems for low temperature distribution. It is designed for connection to both flow and return lines with provision for an integral pump.

Temperature is controlled by means of the thermostatic head, which, depending on the preset value blends water from the return circuit with hot water coming direct from the boiler.



**The circulation takes place as follow:** water leaves the thermostatic valve and mixes with the return water, then it is pumped to the flow side of the manifolds from whence it is distributed to the individual underfloor heating loops.

Water coming back from the loops enters the regulating unit, where a part of fluid returns to the boiler, passing through the lockshield, while another part passes through the non return valve and mixes with the water coming from the boiler.

### VALVE WITH THERMOSTATIC HEAD

The thermostatic head is designed to keep constant the water supply for the low temperature system. The supply temperature setup must be carried out when starting up the system, making reference to the design temperature. An initial set-up can be achieved based on the relationship between the setting on the thermostatic head and the flow water temperature.

The temperature value can be read on the unit's temperature gauges. Once the thermostatic head is set, the system is regulated. The temperature values at the different positions will not correspond exactly to the values in the table.

Tolerance is built in to match the features of the individual system served by the unit. Temperature regulation must be carried out with reference to the value on the temperature gauge located on the supply manifolds.

Unscrew the red handle from the thermostatic valve



Screw the thermostatic head on the valve (M30x1.5 thread)



Assemble the locking insert and the probe into the seating



<b>Set value</b>	0	1	2	3	4	5	6	7	8	9	10	11	12
<b>T (°C)</b>	10	13	17	20	23	27	30	33	37	40	43	47	50

### TECHNICAL FEATURES

Nominal pressure: 10 bar

Max. flow temperature at boiler inlet: 95°C

Thermostatic head setting range: 10-50°C

Pump Centre distance: 130mm

Pump connection: 1"



In case of disposal within the European community, the product gives rise to waste classified with code CER - 17 04 01, 17 02 03, 17 04 05 e 19 12 04.