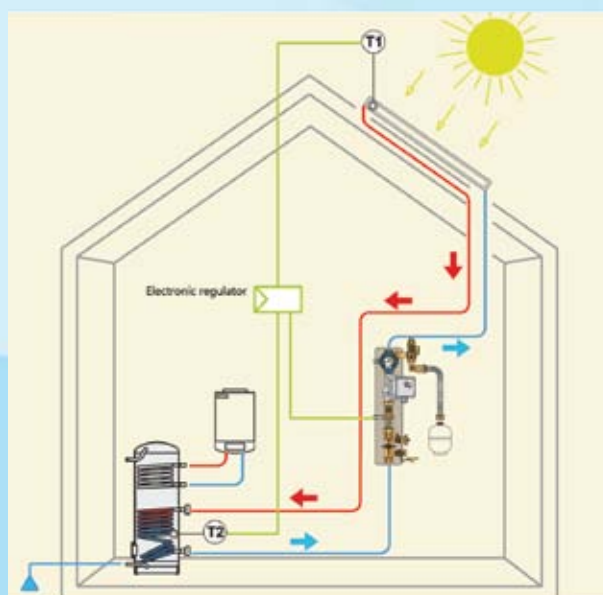


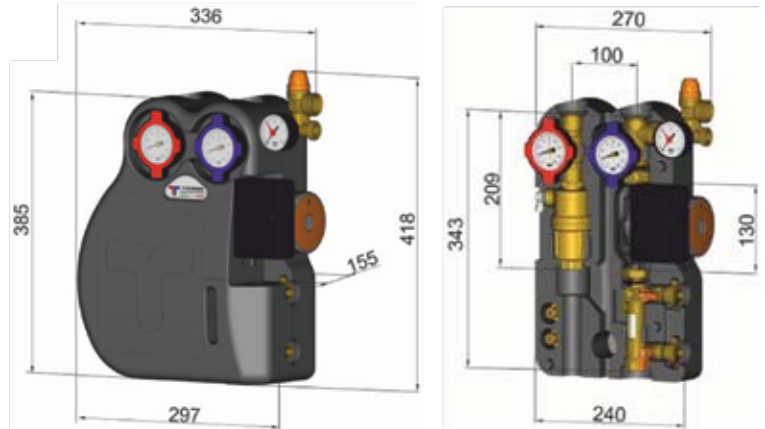
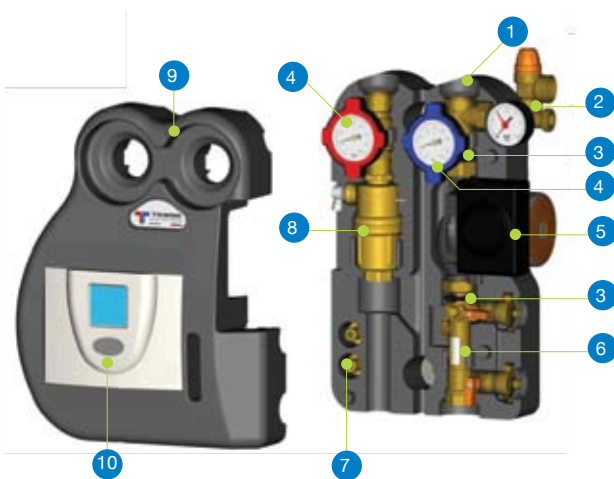


Joule Solar Pump Station

The hydraulic solar unit used on the primary circuit of solar systems between the cylinder and the solar collectors. The pump is activated by the signal of the differential temperature controller. The unit, complete with the insulation, is composed of a flow line which includes a visual flow balancing valve with filling and drain group, a circulation pump, a ball valve with built check-valve and thermometer, a 6 bar safety group and of a return line consisting of a ball valve and a de-aireator.

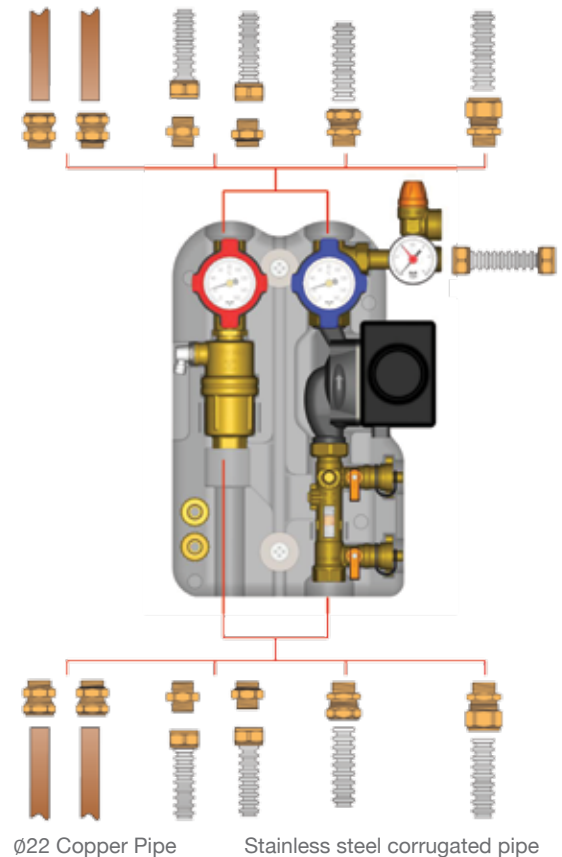


Joule Pump Station - dual line Specifications



1. Insulating box (back) in EPP
2. Safety unit consisting of: manometer 0/10 bar, solar safety valves calibrated to 6 bars, 3/4" connection for expansion vessel
3. Security clips
4. Shutoff valves with integrated thermometers and check-valves
5. Solar pump
6. Visual flow balancing valve with filling and drain group
7. Hose connection
8. Air vent unit with manual vent
9. Insulating EPP box (cover)
10. Electronic regulator

Ø22 Copper Pipe Stainless steel corrugated pipe



TECHICAL INFORMATION	
Main	
Dimension	DN25 (1")
Maximum inlet water temp.	160 °C
Maximum pressure	10 bar
Hydraulic unit	
Brass	CW 617N
Gaskets	EPMD Perox, fluorine rubber FPM
Inlet thread	3/4" female
Outlet thread	3/4" female
Pump	
Case	cast iron GG 15/20
Insulation class	IP44
Voltage	230Vac 50Hz
Type	Grundfos solar 15/65
Flowmeter	1-10 l/min

