ERS 100

DIDATEC TECHNOLOGIE

Study of solar accumulator E.C.S. only

DESCRIPTION

- **The solar accumulator study frame comes complete with technical manual**
- **Design, production and industrial equipment.**
- **The didactical interest is suited to different levels and areas of study.**
- **Operation:**
  - **A solar panel exchanger.**
  - **An accumulator.**

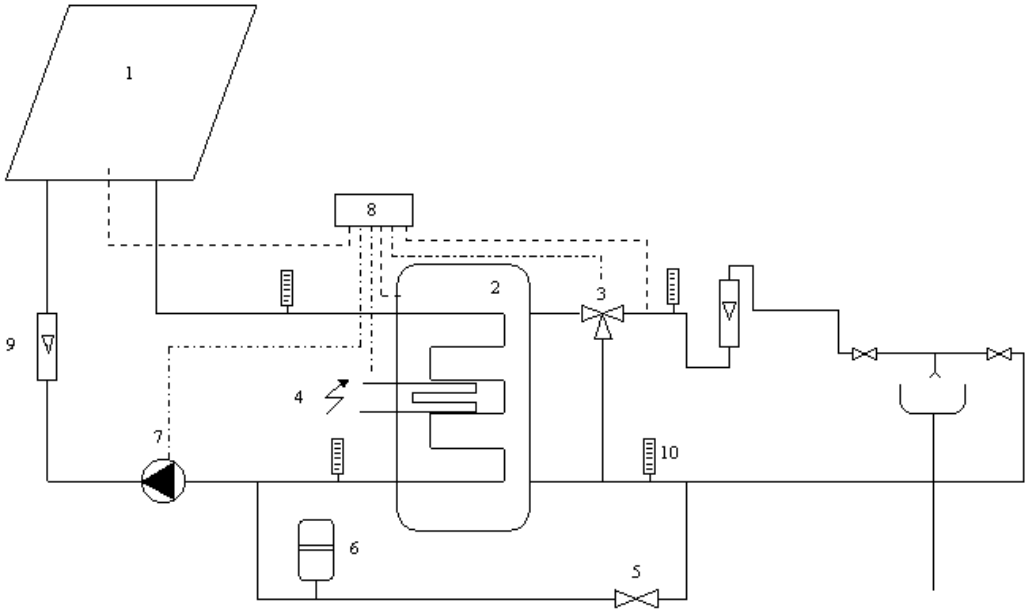
TEACHING APPLICATIONS

- Study of a solar panel.
- Output study.
- Thermal heat balance.
- Efficiency calculations.
- Thermal efficiency calculations.
- Efficiency comparisons.
- Hydraulic connection
- Electric wiring.
- Set up.
- Adjustment.
- Regulation.

ERS 100

DIDATEC TECHNOLOGIE

Solar accumulator for sanitary hot water systems



Solar panel :
A solar panel “collector”
Surface : 1.20 x 1 = 1.2 m²

Water heater :
Capacity : 150 l
Resistance : 2 kW

Circulator :
1 three speed circulator :
-on the solar panel circuit

Appoint electrical:
Thermoplongeur 2,5 kW monophasé.

Dissipation :
Inox sink equipped with tap.

Simulation solaire :
Lampes halogènes.

1 : Solar panel.
2 : emersion tank.
3 : two way valve.
4 : electrical backing.
5 : operation valve.
6 : Expansion tank.
7 : Circulator.
8 : Regulator
9 : Flow meter
10 : Thermometer.

OPTION
Computerised data acquisition

UTILITIES
Electricity : 220/230 VAC.

PROTECTION
Circuit breaker 30mA.
Thermal protection for heated areas.