



**COSTRUZIONI
SOLARI**

Automatic filling group

The automatic filling group is an essential element for the solar plants management because it greatly increases the **autonomy** of its functioning.

Purpose of this device is, in fact, to fill the solar circuit and to maintain the heat transfer fluid pressure at a constant preset level, in the whole system piping.

The automatic filling group comes with all its hydraulic and electrical components, already assembled and tested in our factory, to ensure maximum efficiency.



Components

1 door metal cabinet;

- Single phase PMF50 model Autoclave, P2 nom. kW 0.37, hydraulic data: $H = 30m$ $P = 10 l / 1$;
- Automatic loading system endowed with a brass pressure gauge with nylon-glass spring cover;
- Automatic safety control device. It replaces the membrane vessel, the pressure controller and the pressure gauge, it protects the pump against dry running. Adjustable restart pressure, max. 10MC / h flow rate, 10bar max. pr ess., IP54, power supply unit 220V mono;
- Master switch;
- Pressure gauge,
- Dimensions 595x500x235 m
- PVC housing for heat transfer fluid;
- Stand for PVC container.

Legend

- 1) Solar panel
- 2) Automatic filling group
- 3) Solar Boiler
- 4) Solar circuit Expansion vessel
- 5) Solar Station
- 6) Filling valve
- 7) Automatic vent\probe group

