

2780 & 2790

solar pumping stations



altecnic

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Application

Solar pumping stations are the heart of any solar thermal system, connecting the solar panel with the hot water storage cylinder.

The pumping stations include the circulation pump, a temperature/pressure relief valve, flow meter, drain and filling valves and other connections and valves in a compact unit.

Aletronic solar pumping stations are available in both single and dual configurations to suit most wet solar systems.

Design

The single model is installed in the return pipe from the hot water cylinder (cool water) which is pumped to the inlet of the solar panel.

The dual model is installed in both the flow and return pipes and a de-aerator installed in the flow pipe helps to eliminate air from the system and maintain thermal efficiency.

Ball valves provide isolation between the solar panel and cylinder.

The handles are removeable and their design acts as insulators to prevent burning the operator when being operated.

The units come complete with back plated with pre-moulded insulation and a pre-moulded heat insulated cover allowing easy access to valves and temperature gauge.

Single Unit

Product codes:

278050: 1 to 13 l/m 278052: 8 to 30 l/m



Technical Data

- Single line solar thermal pumping station
- Max. working pressure: 10 bar
- Safety relief valve temperature range: -30 to 160°C
- Safety relief valve pressure setting: 6 bar
- Flow meter temperature range: -10 to 110°C
- Flow meter range: 1 to 13 or 8 to 30 l/m
- Max. percentage of glycol: 50%
- Solar 15-65 circulation pump
- Electricity supply: 230 V ac
- 2 filling/draining valves inc. black levers
- Instrument holder fitting with pressure gauge
- Flow temperature gauge
- 1 shut off valve with handle and check valve
- Connections G³/₄ female

E & O.E

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Dual Unit

Product codes:

279050: 1 to 13 l/m 279052: 8 to 30 l/m



Technical Data

- Dual line solar thermal pumping station
- Max. working pressure: 10 bar
- Safety relief valve temperature range: -30 to 160°C
- Safety relief valve pressure setting: 6 bar
- Flow meter temperature range: -10 to 110°C
- Flow meter range: 1 to 13 or 8 to 30 l/m
- Max. percentage of glycol: 50%
- Solar 15-65 circulation pump
- Electricity supply: 230 V ac
- 2 filling/draining valves inc. black levers
- Instrument holder fitting with pressure gauge
- Flow temperature gauge
- De-aerator
- 2 shut off valve with handle and check valve
- Connections G³/₄ female

