

# SOLARflo

Solar Hot Water Heating Solutions  
Glazed Flat Plate & Evacuated Tube Collectors



Working towards  
a cleaner future



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Building regulations, legislation, planning consent and environmental policies and strategies are driving end users, architects and designers to seriously consider the use of low carbon and renewable technologies on both residential and commercial properties.

Solar energy is a renewable power source which, when harnessed can be converted into heat to generate hot water, significantly reducing carbon dioxide emissions – one of the key greenhouse gasses contributing to climate change and global warming.

Andrews Water Heaters, the UK's market leader in hot water heating solutions, is committed to developing innovative products with excellent environmental credentials, to respond to the increasing demand placed on the building services industry to deliver low carbon footprint properties.

## Solar hot water heating solutions

SOLARflo offers a complete solar thermal solution for both direct-fired water heaters and commercial boiler applications. The package includes high quality solar collectors, single coil and twin coil duplex stainless steel cylinders, pump station, control unit and system expansion vessels.

### Features

- Solar Collectors (Glazed flat plate)**
  - Glazed flat plate aluminium tray solar collector
  - 2.55m<sup>2</sup> gross collector area
  - High transmission efficiency (90.8%)
  - High absorption efficiency (95%)
  - Low emission loss (5%)
  - Solar Key Mark Approved
  - 10 year warranty \*(subject to conditions)
- Solar Collectors (Evacuated Tubes)**
  - Direct Flow Evacuated Tube Technology
  - 2.83m<sup>2</sup> (20 tube) and 4.25m<sup>2</sup> (30 tube) gross collector areas
  - High absorption efficiency (95%)
  - Low emission loss (5%)
  - Solar Key Mark Approved
  - 10 year warranty \*(subject to conditions)

- Cylinders**
  - Twin-coil and single coil pre-heat unvented hot water cylinders
  - Non-corrosive duplex stainless steel water chamber for longer life
  - Destratification and anti-legionella functionality as standard
  - 10 year warranty on shell and core
- Pump Station**
  - Solar pump station c/w temperature gauges and pressure gauge, flushing and filling device and deaerator
- Control Unit**
  - Differential temperature control
  - Variable set points to enable system optimisation
  - Primary heating appliance control
- Other equipment included**
  - Solar collector mounting accessories for pitched and flat roofs
  - Cold water expansion kit
  - Solar heat transfer expansion vessel with membrane temperature rating of 100°C
  - First fill of solar heat transfer fluid
  - Primary heating appliance (direct-fired water heater or commercial boiler) as an option

<b>Cylinder Capacity (L)</b>	450	550	700	900
<b>Number of Solar Collectors (Glazed Flat Plate)</b>	4	5	6	7
<b>Gross Collector Area (m<sup>2</sup>)</b>	10.2	12.8	15.3	17.9
<b>Number of Solar Collectors (Evacuated Tubes)</b>	2	2	3	3
<b>Gross Collector Area (m<sup>2</sup>)</b>	5.7	7.1	9.9	12.8



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