

FlowSol® Sensor – Twin-line pump station



No collector and store sensors required!

- ✓ Pre-assembled pump station
- ✓ Integrated controller *DeltaSol®* Sensor
- ✓ Complete with pre-assembled Grundfos Direct Sensors™
- ✓ Ultra fast control
- ✓ Precise measurement of temperature, pressure and flow rate
- ✓ Directly controlled flow rate
- ✓ Heat quantity measurement
- ✓ Full graphic display
- ✓ Enhanced status and error diagnostics system
- ✓ Ball valves in flow and return in combination with non-return valves to prevent gravity circulation
- ✓ Safety valve to prevent system overpressure

Technical data

Circulating pump: Wilo ST 15/6 ECO
or Grundfos Solar PM 15-85

Safety valve: 6 bar

Pressure gauge: 0 ... 6 bar

Grundfos Direct Sensors™:

Pressure / temperature: RPD 1-10

Flow Rate / temperature: VFD 1-12

Flow range: 100 ... 500 l/h

Non-return valves: Opening pressure 20 mbar, openable

Connection to diaphragm-type expansion vessel:

3/4" ET, flat sealing

Outlet safety valve: 3/4" IT

Connections to the solar pipes: 3/4" IT

Maximum temperature flow / return: 120 °C / 95 °C

Maximum pressure: 6 bar

Medium: Water with max. 50 % glycol

Dimensions:

H × W × D: approx. 374 × 417 × 179 mm (with insulation)

Distance centres: 160 mm

Distance centre/wall: 55 mm

Material:

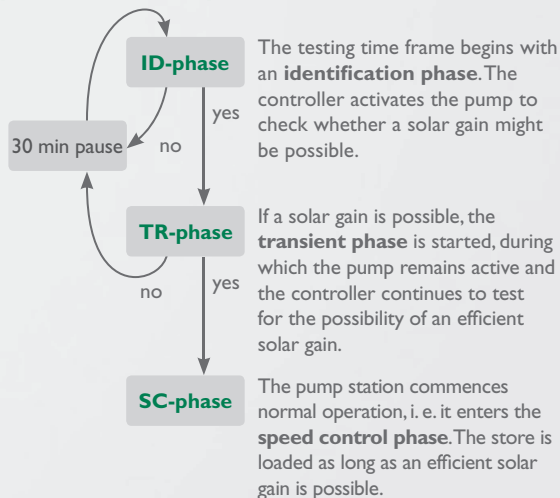
Fittings: brass

Seals: EPDM

Insulation: EPP foam

The FlowSol® Sensor/HE is a complete pump station that integrates the vital electronic and hydraulic components of the solar system along with the necessary sensors in one pre-assembled unit. The separate installation of collector and store sensors is not required. Upon entering the necessary variables such as the geographical position and the tilt of the collector, an innovative algorithm calculates the optimal working time-frame for the solar gain. The FlowSol® Sensor/HE provides the functionality and the efficiency of a standard solar thermal system at an improved reliability rate, while requiring less installation effort.

Sequence of control phases of the FlowSol® Sensor:



Select from the following pump stations:

Solar controller	Circulating pump
DeltaSol® Sensor	Wilo ST 15/6 ECO
DeltaSol® Sensor HE	Grundfos Solar PM 15-85



All controllers mentioned above are equipped with a VBus®!

Expand your product range:



SBS 2000 filling and flushing station

The new SBS 2000 has been especially designed for professionally filling and flushing solar thermal and heating systems. Its many thought-out details facilitate transport, operation and cleaning, the attractive design makes it the ideal companion for a professional performance.

Heat transfer fluids

In our product portfolio, you will find a range of heat transfer fluids for different applications, available as readymix or concentrate.

Wall mounting for expansion vessel

Wall mounting for expansion vessel with screws and wall plugs, high grade steel corrugated tube and connection thread 3/4".

Article no.: 280 004 60

ALS15 discharge hose

1.5 m hose for connection to the safety valve of the FlowSol® Sensor pump station.

Article no.: 112 000 23

Do you have any further questions? We have the answers:

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