

CSE SOL G SRS1 T Solar Pump Station



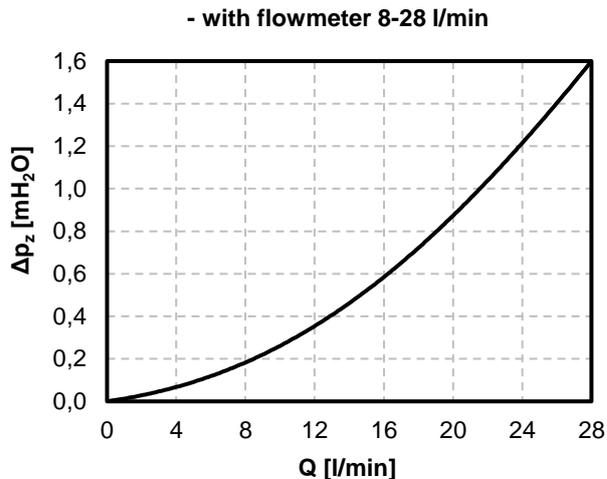
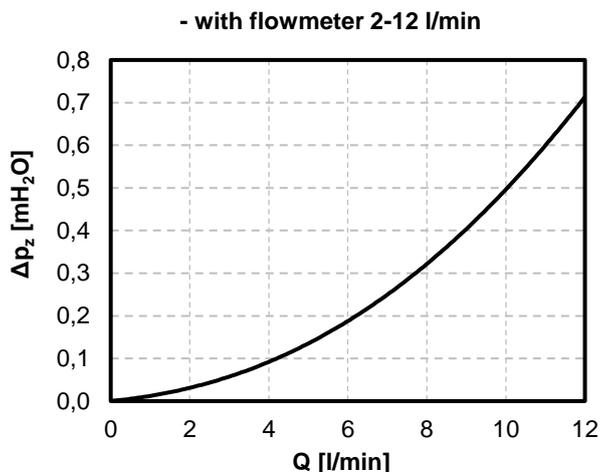
Main Features	
Application	Solar Pump Station involves all necessary components for everyday efficient operation of a solar thermal system. A 2-3 kW electric heating element can be connected to the pump station for backup heat, or a gas boiler or another switched heat source. The heat source switching on/off is controlled by the controller. The heat source shall be connected to a potential-free switching contact of the controller (3 kW max.). The heating element is not included in supply.
Description	<p>The pump station consist of a Grundfos UPM3 Hybrid 25-70 pump, SRS1 T controller, check and safety valves, 2 ball valves, pressure gauge, thermometer, flowrate indicator, insulation and installation kit. After the control element with end stops is removed and the gland nut released, the ball valves enable easy replacement of O-rings without the need of draining the solar thermal system.</p> <p>The pump station further involves:</p> <ul style="list-style-type: none"> ● outlet for expansion vessel connection ● outlet from safety valve, incl. extension piping led below the pump station for an easy connection ● solar thermal system filling, draining and topping-up valves ● connected temperature sensor for a consumer (4 m cable) ● solar temperature sensor (2 m cable) ● connected 230 V power supply cable w. el. plug (3 m long, 3 x 1,5 mm² cross section)
Installation	on a tank or wall using the installation kit
Working fluid	water-glycol mixture (max. 1:1)
Code	18969 - G 3/4" M connection, flowmeter 2-12 l/min 18960 - G 1" M connection, flowmeter 8-28 l/min

Pump Station Data	
Max. fluid working temperature	110 °C
Max. working pressure	6 bar
Min. system pressure	1.3 bar with the pump stopped
Max. switched current	13 A / 230 V
Power supply	230 V, 50 Hz
Ambient temperature	5-40 °C
Max. relative humidity	85% at 25 °C
Insulation material	EPP RG 60 g/l
IP rating	IP20
Overall dimensions	470 x 265 x 120 mm
Total weight	7 kg

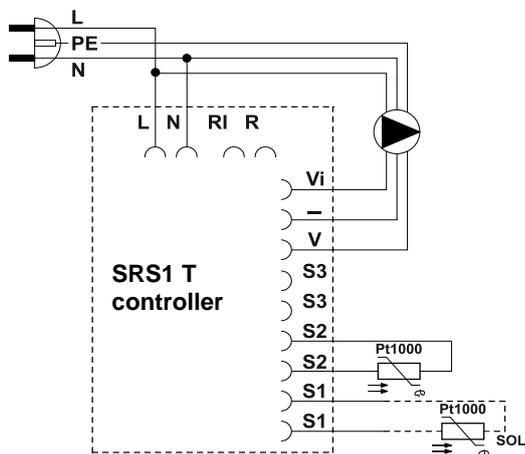
Accessories	
Code 7629	pipe union Cu 22 x Cu 22, straight, to connect a waste pipe to the safety valve
Code 13695	pipe union Cu 22 x G 3/4" M, straight, to connect a waste pipe to the safety valve

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Pump Station Pressure Drop Graph



Pump Station Internal Wiring



- L live
- N neutral
- RI, R potential-free switching contact
- Vi iPWM signal input
- GND PWM
- V PWM signal output
- S2 sensor 2 (solar consumer)
- S1 sensor 1 (collector)

Pump Performance Curves

