

## CSE SOL W SRS1 T Solar Pump Station

v1.3\_03/2020



### Main Features

<p>Application</p>	<p>Solar Pump Station involves all necessary components for everyday efficient operation.</p> <p>The pump station permits connecting an auxiliary el. heating element of 2-3 kW output or a gas boiler or another switching heat source. Switching on and off this heat source is controlled by a controller. The heat source shall be connected to the potential-free switching contact of the controller.</p> <p>A heating element not included in supply.</p>
<p>Description</p>	<p>The pump station consist of Para ST 25 / 7-50 / iPWM2 pump, SRS1 T controller, non-return and safety valves, 2 ball valves, pressure gauge, thermometer, 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.</p> <p>The pump station further involves:</p> <ul style="list-style-type: none"> <li>• outlet for expansion vessel connection</li> <li>• outlet from safety valve, incl. extension piping led below the pump station for an easy connection</li> <li>• solar system filling, draining and topping-up valves</li> <li>• 2 temperature sensors connected to a consumer (4 m cable)</li> <li>• solar temperature sensor (2 m cable)</li> <li>• 230 V power supply cable w. el. plug (3 m long, 3 x 1,5 mm<sup>2</sup> cross section, black)</li> </ul>
<p>Flow rate measurement</p>	<p>The pump sends the momentary flow rate value as data to controller where it is displayed.</p>
<p>Installation</p>	<p>on a tank or wall using the installation kit</p>
<p>Working fluid</p>	<p>water-glycol mixture (max. 1:1)</p>

### Code corresponding to connection size

Connection	G 3/4"M	G 1"M	Cu 18 mm	Cu 22 mm	Cu 28 mm
Code	17726	17902	18117	17903	17904

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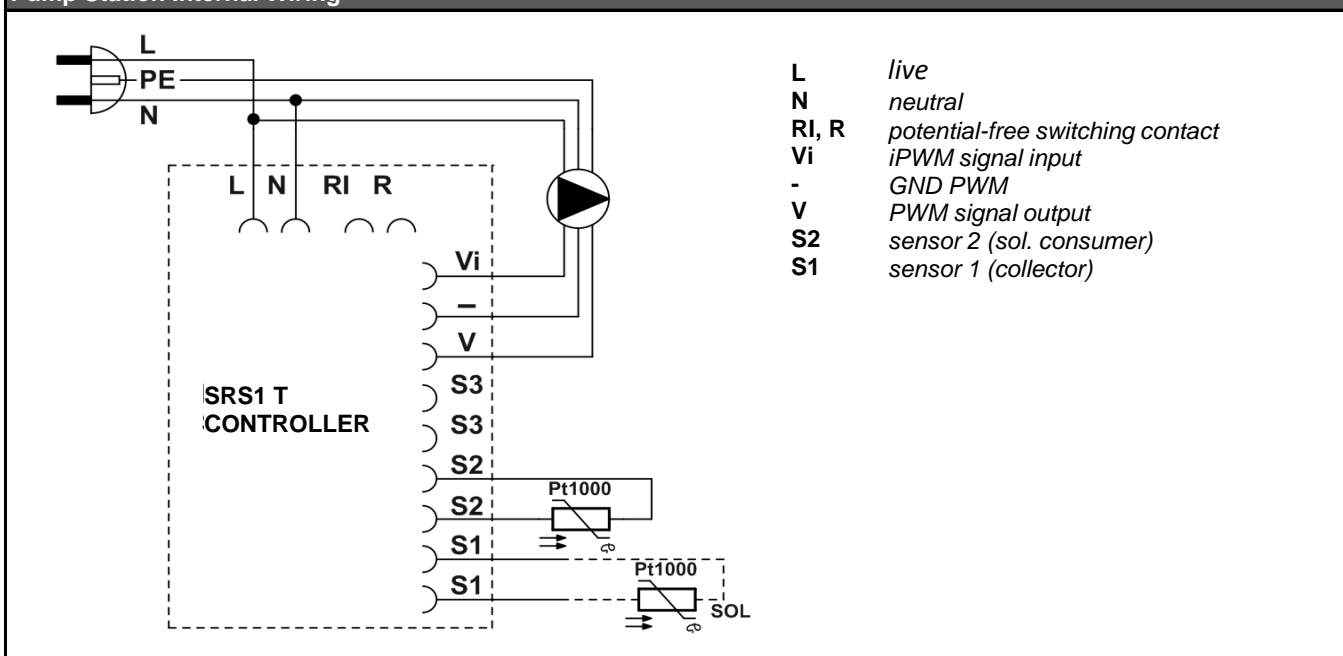
### Data for CSE SOL W SRS1 T Pump Station

Max. fluid working temperature	110 °C
Max. working pressure	6 bar
Min. system pressure	1.3 bar with the pump stopped
Flow rate measurement range	2-20 l/min
Heat source switching	potential-free contact
Max. switched current	13 A / 230 V
Power supply	230 V, 50 Hz
Ambient temperature	0 to 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	7.0 kg

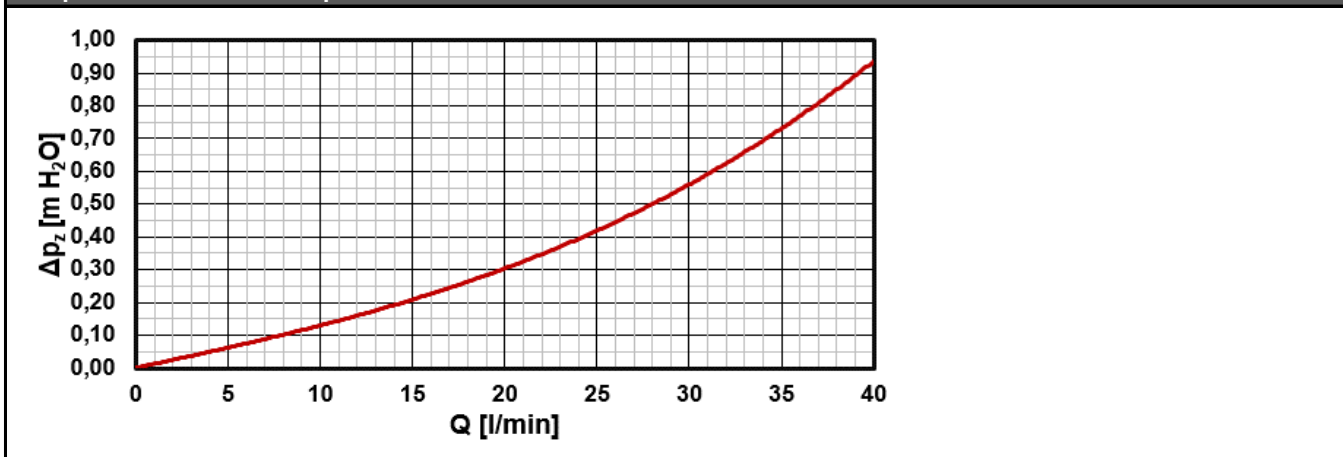
### Accessories

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

### Pump Station Internal Wiring



### Pump Station Pressure Drop



### Performance curves for Para ST 25-130 / 7-50 / iPWM2 Pump

NOTE:

1) PWM signal value in %, 2) speed in rpm

