

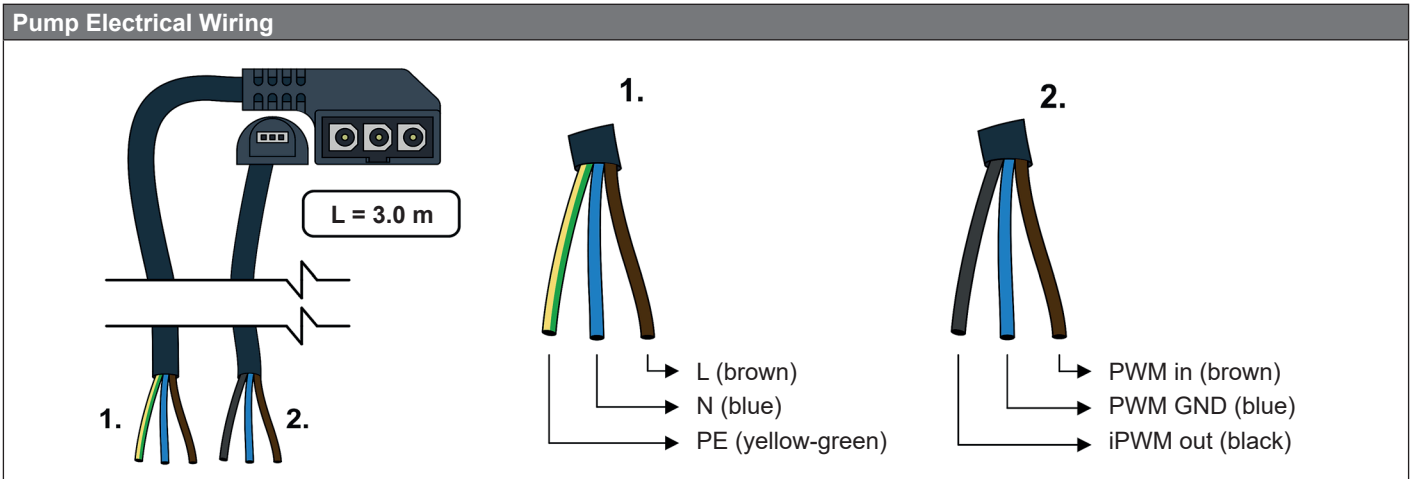
DATA SHEET

CSE1 SOL W P Solar Pump Station



Main Features	
Application	Solar Pump Station involves all necessary components for everyday efficient operation of a solar thermal system.
Description	Consists of a Para ST 25/7-50/iPWM2 circulation pump, a check valve, a safety valve, two ball valves, flow rate indicator, pressure gauge, thermometers, fill-, drain- and top-up valves for a solar thermal system with connection G 3/4" M, outlet for an expansion vessel with connection G 3/4" M, mounting kit, insulation. The pump shall be controlled by PWM signal for solar thermal systems (with no PWM signal the pump stops). An iPWM signal can be read from the pump for current flow rate measurements.
Installation	On a tank or on the wall.
Working fluid	Water-glycol mixture (max. 1:1).
Code	19981 – connection G 3/4" M, flow 2–12 l/min 19991 – connection G 1" M, flow 8–28 l/min

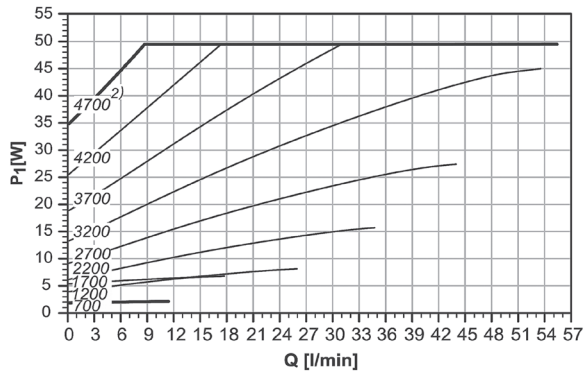
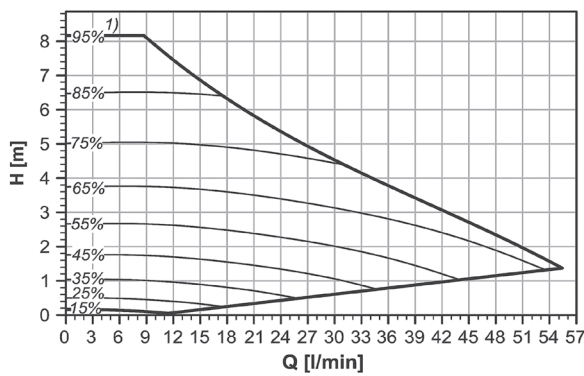
Pump Station Data	
Max. fluid working temperature	110 °C
Max. working pressure	6 bar
Min. system pressure	1.3 bar with the pump stopped
Ambient temperature	5 to 40 °C
Max. relative humidity	85 % at 25 °C
Power supply	230 V, 50 Hz
Insulation material	EPP RG 60 g/l
IP rating	IP20
Overall dimensions (Width x Height x Depth)	195 x 510 x 155 mm
Total weight	4.4 kg



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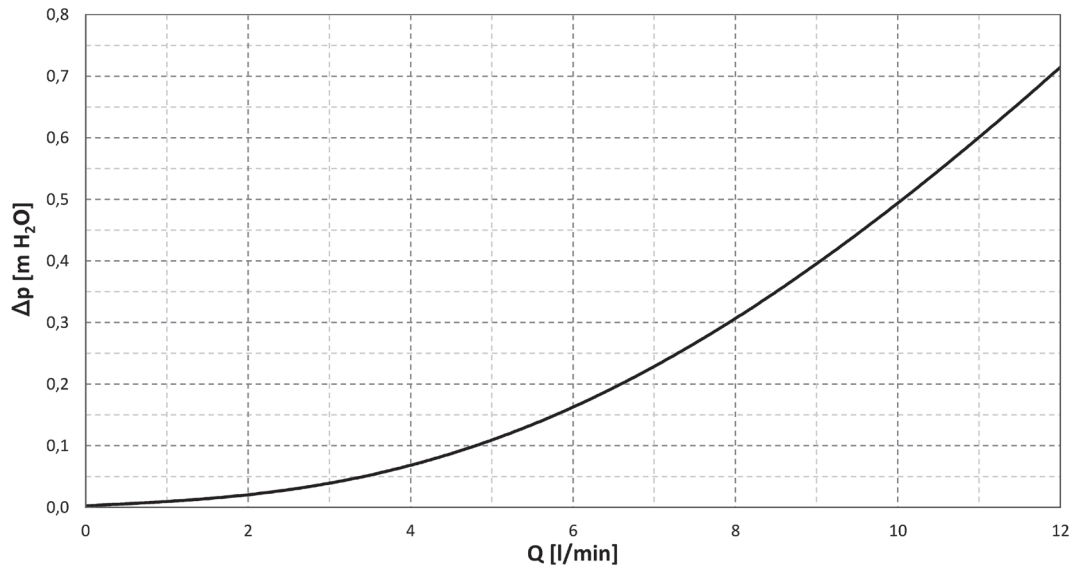
Pump Performance curves



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

Pressure drop graph

Connections G 3/4" M – code **19981**



Connections G 1" M – code **19991**

