

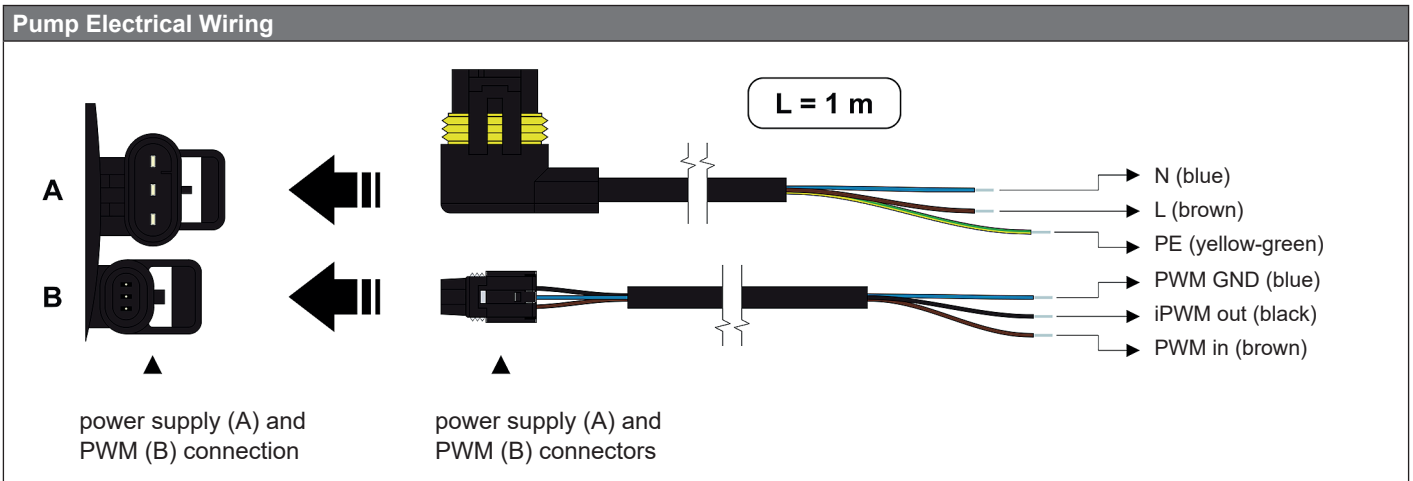
## DATA SHEET

### CSE2 SOL G P Solar Pump Station



Main Features	
Application	Two-pipe Solar Pump Station involves all necessary components for everyday efficient operation of a solar thermal system.
Description	Consists of a Grundfos UPM3 Hybrid 25-70 circulation pump, a check valve, a safety valve, three ball valves, flow rate indicator, air separator w. manual air vent valve, pressure gauge, thermometers on both outgoing and return lines, fill-, drain- and top-up valves for a solar thermal system with a G 3/4" M connection, outlet for an expansion vessel with a G 3/4" M connection, mounting kit, insulation. The pump can be controlled either by PWM signal for solar thermal systems (with no PWM signal the pump stops) or ON/OFF switching (in the modes: $\Delta p$ -v, $\Delta p$ -c, constant speed I – II – III, AutoAdapt).
Installation	On a tank or on the wall.
Working fluid	Water-glycol mixture (max. 1:1).
Code	<b>19990</b> – G 3/4" M connection, flow 2–12 l/min <b>19983</b> – G 1" M connection, flow 8–28 l/min

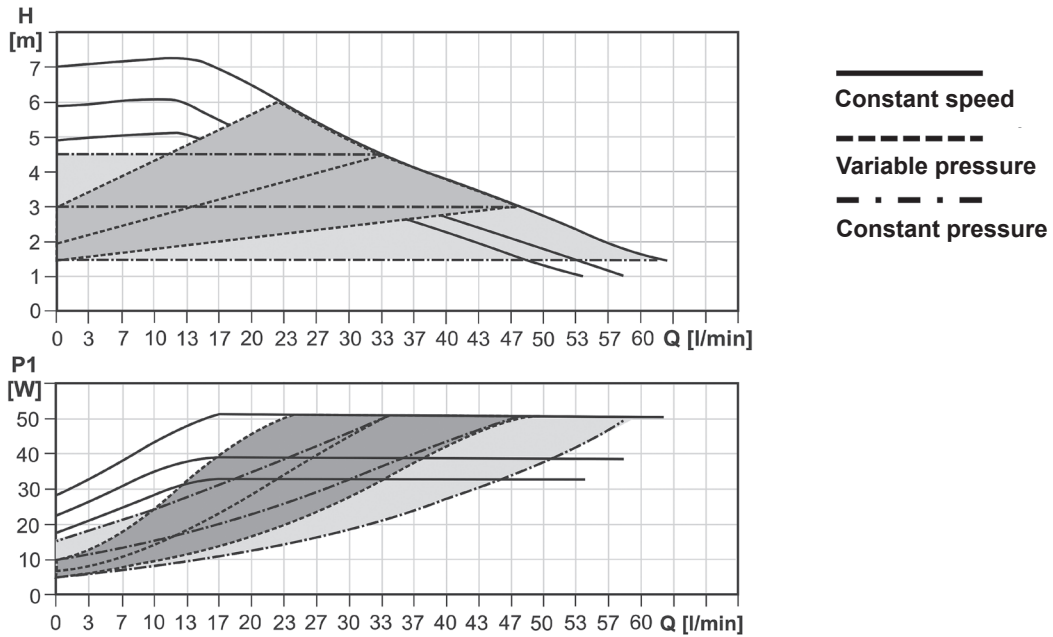
Pump Station Data	
Max. fluid working temperature	110 °C
Max. working pressure	6 bar
Min. system pressure	1.3 with the pump stopped
Ambient temperature	5 to 40 °C
Max. relative humidity	85% at 25 °C
Power supply	230 V, 50 Hz
Insulation material	EPP RG 60 g/l
IP rating	IP20
Overall dimensions (Width x Height x Depth)	310 x 490 x 155 mm
Total weight	5.9 kg



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### Pump Performance Curves



### Pressure Drop Graph

