DATA SHEET

CSE1 SOL W SRS1 T-K Solar Pump Station

Main Features	
Application	This single-pipe solar pump station contains all components necessary for current and efficient operation. It is designed for operation with one solar consumer (e.g. hot water tank) and for connecting a switched heat source (e.g. a gas boiler). To connect it, the pump station is equipped with a special connector with a 4m cable. Switching on and off of the switched heat source is controlled by the controller, which is part of the pump station.
Description	The pump station includes: – Para ST 25/7-50/iPWM2 circulation pump, – SRS1 T controller, – special connector to connect a switched heat source, 4 m long cable included, – check valve, – safety valve with G 3/4" F outlet, – ball valves, – pressure gauge, – thermometers, – two G 3/4" M valves for filling, draining and topping up the solar thermal system, – G 3/4" M outlet for connecting an expansion vessel, – 2 already connected temperature sensors of a solar consumer (4 m long), – already connected cable w. silicone insulation to connect a solar sensor (1 m long), – solar temperature sensor (2 m long cable), – already connected 230 V power cord with plug (3 m long, 3 x 1.5 mm² cross section), – mounting kit for installation on a wall or tank, – insulation.
Flow rate measurement	The pump sends the momentary flow rate value as data to controller where it is displayed.
Installation	On a tank or wall using.
Working fluid	Water–glycol mixture (max. 1:1).
Codes corresponding	**20571** – Connections G 3/4" M **20567** – Connections G 1" M

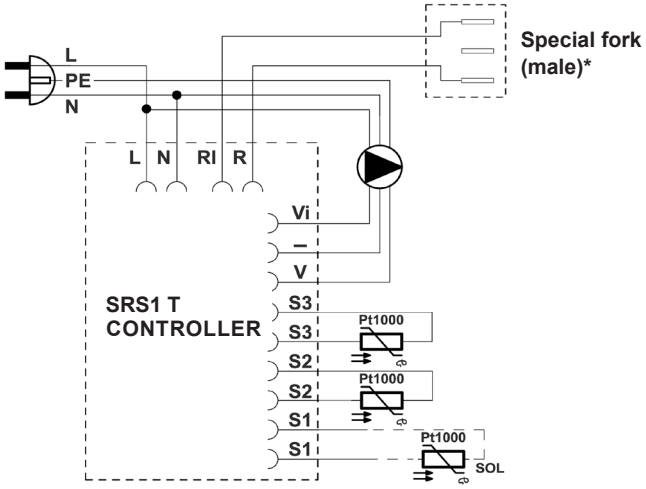
Pump Station Data	
Max. fluid working temperature	110 °C
Max. working pressure	6 bar
Min. system pressure	1.3 bar with the pump stopped
Flow rate measurement range	2–20 l/min
Ambient temperature	5 to 40 °C
Max. relative humidity	85% at 25 °C
Power supply	230 V, 50 Hz
Max. switched current	13 A/230 V
Insulation material	EPP RG 60 g/l
IP rating	IP20
Overall dimensions (w x h x d)	290 x 460 x 155 mm
Total weight	4.7 kg

REGULUS spol. s r. o. Czech Republic
Do Koutů 1897/3, 143 00 Praha 4
Tel.: +420 241 765 191
Fax: +420 241 763 976
E-mail: sales@regulus.eu
Web: www.regulus.eu

DATA SHEET

CSE1 SOL W SRS1 T-K Solar Pump Station

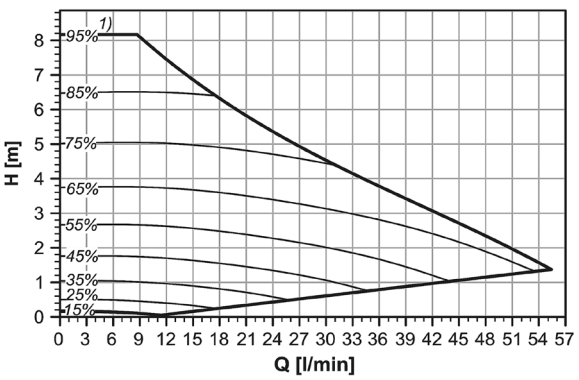
Pump Station Internal Wiring

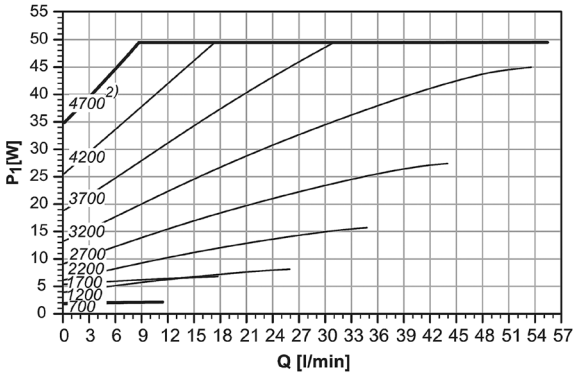


L	*live*
N	*neutral*
RI, R	*potential-free switching contact*
Vi	*iPWM signal input*
–	*GND PWM*
V	*PWM signal output*
S2	*sensor 2 (solar consumer)*
S1	*sensor 1 (collector)*

* In the pump station for connecting a switched heat source.

Pump Performance Curves





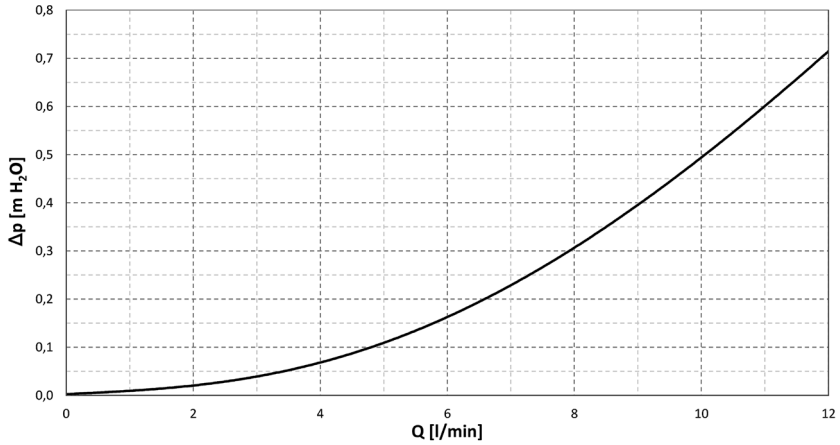
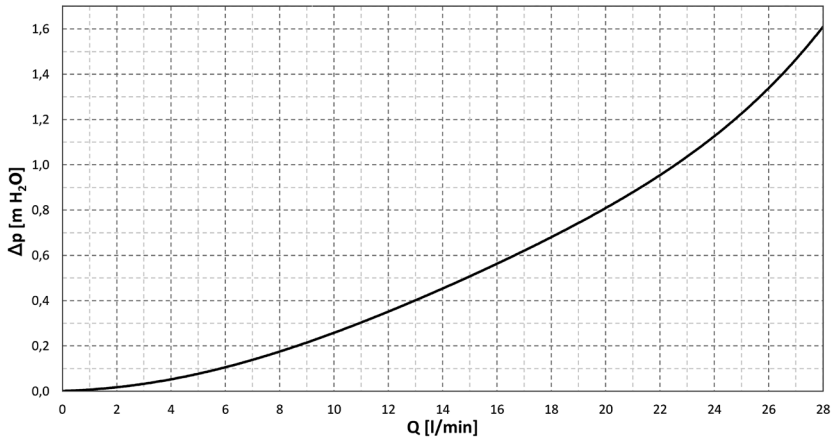
NOTE:
1) PWM signal value in %,
2) speed in rpm

DATA SHEET

CSE1 SOL W SRS1 T-K Solar Pump Station

Pressure Drop Graph

Connections G 3/4" M – code **20571**



Connections G 1" M – code **20567**