

# SINGLE-LINE SOLAR PUMP STATIONS CSE1 SOL

## GENERAL INFORMATION

### TECHNICAL DATA

MAX. WORKING PRESSURE	6 bar
MAX. WORKING TEMPERATURE	110 °C
POWER SUPPLY	230 V, 50 Hz

### COMPONENTS

- Wilo / Grundfos circulation pump
- Check valve
- Safety valve
- Fill and drain valves
- Two ball valves
- Pressure gauge
- Thermometer
- Expansion vessel connection point
- Thermoinsulating case

### CIRCULATION PUMPS

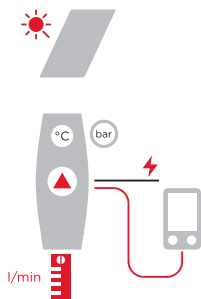
**Wilo PARA ST 25 / 7-50 / iPWM2**  
for PWM controllers

**Grundfos UPM3 Hybrid 25-70**  
for PWM or ON/OFF controllers

## CSE1 SOL models without Controller

All models without controller are equipped with a mechanical flowmeter.

### DIAGRAM



### MODELS

Connections	G 3/4" M	G 1" M	Cu 22 mm	G 3/4" M	G 1" M
Flow rate measurement range	2-12 l/min	8-28 l/min	2-12 l/min	2-12 l/min	8-28 l/min
Code	19981	19991	20568	19987	19984

## CSE1 SOL models with SRS1T Controller

All models also include a 3m power cord with plug for the controller and pump.



### SRS1 T CONTROLLER

- continuous control of pump speed
- with a solar sensor
- with hot water tank sensors connected

### CSE1 SOL SRS1T

Includes 1 hot water tank sensor connected. Models with Grundfos pump include a mechanical flow meter. Models with Wilo pump include electronic flow measuring showed on display.

#### MODELS

	Wilo pump			Grundfos pump	
<b>Connections</b>	G 3/4" M	G 1" M	Cu 22 mm	G 3/4" M	G 1" M
<b>Flow rate measurement range</b>	2-20 l/min	2-20 l/min	2-20 l/min	2-12 l/min	8-28 l/min
<b>Code</b>	<b>20566</b>	<b>20575</b>	<b>20584</b>	<b>20576</b>	<b>20572</b>

### CSE1 SOL SRS1 T-E with an el. socket to connect a heating element

Includes a dedicated 230V power socket intended to connect an el. heating element of up to 3kW output, switched by the controller, and 2 hot water tank sensors connected. Includes electronic flow measuring showed on display.

#### MODELS

	Wilo pump		
<b>Connections</b>	G 3/4" M	G 1" M	Cu 22 mm
<b>Flow rate measurement range</b>	2-20 l/min	2-20 l/min	2-20 l/min
<b>Code</b>	<b>20574</b>	<b>20570</b>	<b>20578</b>

### CSE1 SOL SRS1 T-E HDO with an el. socket to connect a Ripple-controlled heating element

Includes a dedicated 230V power socket intended to connect an el. heating element of up to 3kW output, switched by Ripple control and by the controller, and a heating element power cable for connection to a Ripple-controlled power supply, and 2 hot water tank sensors connected. Includes electronic flow measuring showed on display.

#### MODELS

	Wilo pump	
<b>Connections</b>	G 3/4" M	G 1" M
<b>Flow rate measurement range</b>	2-20 l/min	2-20 l/min
<b>Code</b>	<b>20580</b>	<b>20582</b>

### CSE1 SOL SRS1 T-K

Includes a dedicated power socket intended for switching an auxiliary heat source (boiler) and a cable w. connector for the control of the heat source, and 2 hot water tank sensors connected. Includes electronic flow measuring showed on display.

#### MODELS

	Wilo pump	
<b>Connections</b>	G 3/4" M	G 1" M
<b>Flow rate measurement range</b>	2-20 l/min	2-20 l/min
<b>Code</b>	<b>20571</b>	<b>20567</b>