



# SOLAR PUMP STATIONS NEW MODELS 2024



- **CSE1 single-line models**
- **CSE2 twin-line models**

# 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

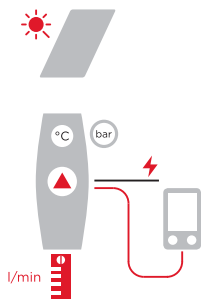
**Wilo PARA ST 25 / 7-50 / iPWM2**  
for PWM controllers

**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

	Wilo pump			Grundfos pump	
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>

# TWIN- LINE SOLAR PUMP STATIONS CSE2 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
- Three ball valves
- Air separator
- Pressure gauge
- Thermometers
- Expansion vessel connection point
- Thermoinsulating case

### CIRCULATION PUMPS

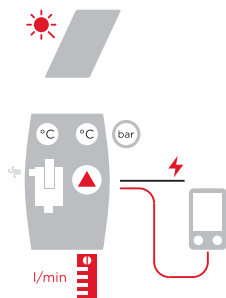
**Wilo PARA ST 25 / 7-50 / iPWM2**  
for PWM controllers

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

## CSE2 SOL models without Controller

All models without controller are equipped with a mechanical flowmeter.

### DIAGRAM



### MODELS

#### Connections

#### Flow rate measurement range

#### Code

G 3/4" M

2-12 l/min

**19985**

#### Wilo pump

G 1" M

8-28 l/min

**19988**

Cu 22mm

2-12 l/min

**20549**

#### Grundfos pump

G 3/4" M

2-12 l/min

**19990**

G 1" M

8-28 l/min

**19983**



## CSE2 SOL models with SRS1 T 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

### CSE2 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

Connections	Wilo pump			Grundfos pump	
	G 3/4" M	G 1" M	Cu 22mm	G 3/4" M	G 1" M
Flow rate measurement range	2-20 l/min	2-20 l/min	2-20 l/min	2-12 l/min	8-28 l/min
Code	<b>20564</b>	<b>20579</b>	<b>20573</b>	<b>20581</b>	<b>20577</b>

### CSE2 SOL SRS1 T-E

#### with an el. socket to connect a heating element

It includes also 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. Models with Grundfos pump include a mechanical flow meter. Models with Wilo pump include electronic flow measuring showed on display.

#### MODELS

Connections	Wilo pump			Grundfos pump	
	G 3/4" M	G 1" M	Cu 22mm	G 3/4" M	G 1" M
Flow rate measurement range	2-20 l/min	2-20 l/min	2-20 l/min	2-12 l/min	8-28 l/min
Code	<b>20557</b>	<b>20558</b>	<b>20560</b>	<b>20522</b>	<b>20556</b>

### CSE2 SOL SRS1 T-E HDO

#### with an el. socket to connect a Ripple-controlled heating element

It includes also 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

Connections	Wilo pump	
	G 3/4" M	G 1" M
Flow rate measurement range	2-20 l/min	2-20 l/min
Code	<b>20526</b>	<b>20551</b>

### CSE2 SOL SRS1 T-K

It includes also 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

Connections	Wilo pump	
	G 3/4" M	G 1" M
Flow rate measurement range	2-20 l/min	2-20 l/min
Code	<b>20569</b>	<b>20583</b>



## CSE2 SOL models with SRS3 E Controller

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



### SRS3 E CONTROLLER

- continuous control of pump speed
- with a solar sensor
- with 2 hot water tank sensors connected

### CSE2 SOL SRS3 E

Includes a mechanical flow meter.

#### 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>20373</b>	<b>20452</b>	<b>20457</b>	<b>20372</b>	<b>20453</b>



