



Pump stations





FlowSol® S/S HE

The FlowSol® S/S HE pump station is a single-line pump station and is used in the solar return. The station is available with a choice of controllers from the popular DeltaSol® BS series or DeltaSol® CS series.

The pump station is pre-assembled and contains all the vital hydraulic components for operating a solar thermal system and is particularly easy to install.

- Safety assembly with connection for the diaphragm-type expansion vessel, safety valve and pressure gauge
- Insulated design casing
- Fill and drain valves
- Integrated standard or high-efficiency pump
- Wall mounting bracket with fastening material

TECHNICAL DATA

Circulating pump:

FlowSol® S: Wilo ST 15/6 ECO or ST 15/7 ECO (surcharge)

FlowSol® S HE:

Wilo PARA ST 15/7.0-PWM2 (Maximum power consumption: 45 W)

Safety valve: 6 bar

Pressure gauge: 0 ... 10 bar

Flowmeter: 1 ... 13 l/min

Non-return valves: opening pressure 40 mbar, openable

Connection to diaphragm-type expansion vessel:

¾" ET, flat sealing

Outlet safety valve: ¾" IT

Connections to the solar pipes: ¾" IT

Maximum temperature: 95 °C

Maximum pressure: 6 bar

Medium: water with max. 50% glycol

Dimensions: approx. 430 x 223 x 193 mm (with insulation)

Distance centre/wall: 67 mm

Material:

fittings: brass

seals: EPDM/AFM 34

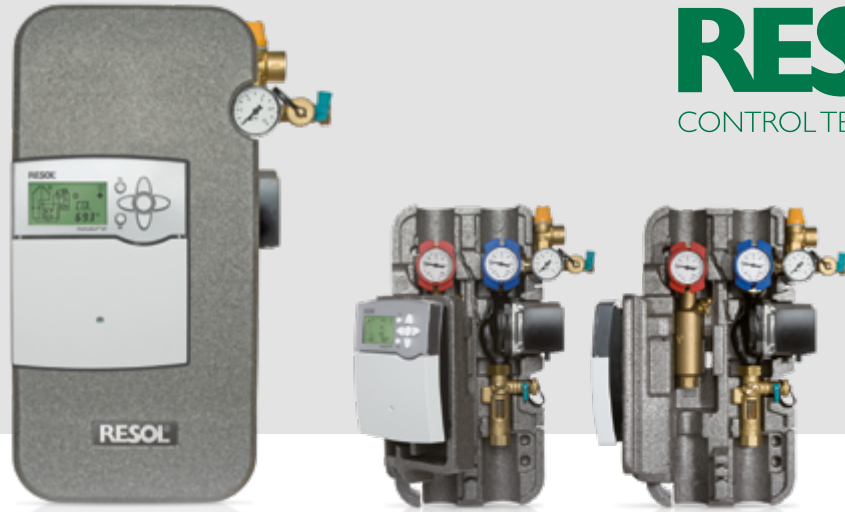
insulation: EPP foam

ErP data overview

Solar controller	CS/2	CS/4	CS Plus
Standby [W]	0.58	0.60	0.59
Auxiliary electricity consumption [kWh/a]			
Wilo PARA ST 15/7.0-PWM2	51.1	51.3	51.2

Optionally available with a Grundfos pump! On request, all stations are available without controller!

Article no.	Article	Price bracket
290 028 43	FlowSol® S HE – DeltaSol® CS/2 – Single-line pump station » incl. 3 sensors (1 x FKP6, 2 x FRP6)	A
290 028 53	FlowSol® S HE – DeltaSol® CS/4 – Single-line pump station » incl. 3 sensors (1 x FKP6, 2 x FRP6)	A
290 028 63	FlowSol® S HE – DeltaSol® CS Plus – Single-line pump station » incl. 4 sensors (2 x FKP6, 2 x FRP6)	A



EEl < 0,23



FlowSol® B/B HE

The FlowSol® B/B HE is a pre-assembled twin-line pump station and contains all the vital hydraulic components for operating a solar thermal system and is particularly easy to install.

- Integrated controller
- Integrated standard or high-efficiency pump
- Fill and drain valves
- Safety assembly with connection for the diaphragm-type expansion vessel, safety valve and pressure gauge
- Wall mounting bracket with mounting material
- Air separator with manual air vent for the solar thermal system

TECHNICAL DATA

Circulating pump:

FlowSol® B: Wilo ST 15/6 ECO or ST 15/7 ECO (surcharge)

FlowSol® B HE:

Wilo PARA ST 15/7.0-PVVM2 (Maximum power consumption: 45 W)

Safety valve: 6 bar

Pressure gauge: 0 ... 10 bar

Flowmeter: 1 ... 13 l/min

Non-return valves: opening pressure 20 mbar, openable

Connection to diaphragm-type expansion vessel:
¾" ET, flat sealing

Outlet safety valve: ¾" IT

Connections to the solar pipes: ¾" IT

Maximum temperature flow/return: 120 °C/95 °C

Maximum pressure: 6 bar

Medium: water with max. 50% glycol

Dimensions: approx. 481 × 320 × 190 mm (with insulation)

Distance centres: 100 mm

Distance centre/wall: 67 mm

Material:

fittings: brass, seals: AFM 34, insulation: EPP foam

ErP data overview

Solar controller	CS/2	CS/4	CS Plus	BX	BX Plus	SL	SLL	SLT
Standby [W]	0.58	0.60	0.59	0.58	0.73	0.72	0.66	0.68
Auxiliary electricity consumption [kWh/a]								
Wilo PARA ST 15/7.0-PVVM2	51.1	51.3	51.2	51.1	52.4	52.3	51.8	52.0

Optionally available with a Grundfos pump!

On request, all stations are available without controller!

Article no.	Article	Price bracket
290 028 13	FlowSol® B HE – DeltaSol® CS/2 – Twin-line pump station » incl. 3 sensors (1 × FKP6, 2 × FRP6)	A
290 028 23	FlowSol® B HE – DeltaSol® CS/4 – Twin-line pump station » incl. 3 sensors (1 × FKP6, 2 × FRP6)	A
290 028 33	FlowSol® B HE – DeltaSol® CS Plus – Twin-line pump station » incl. 4 sensors (2 × FKP6, 2 × FRP6)	A
290 022 63	FlowSol® B HE – DeltaSol® BX – Twin-line pump station » incl. 5 sensors (2 × FKP6, 3 × FRP6)	A
290 022 83	FlowSol® B HE – DeltaSol® BX Plus – Twin-line pump station » incl. 5 sensors (2 × FKP6, 3 × FRP6)	A
290 029 03	FlowSol® B HE – DeltaSol® SL – Twin-line pump station » incl. 4 sensors (2 × FKP6, 2 × FRP6)	A
290 029 23	FlowSol® B HE – DeltaSol® SLL – Twin-line pump station » incl. 3 sensors (1 × FKP6, 2 × FRP6)	A
290 029 63	FlowSol® B HE – DeltaSol® SLT – Twin-line pump station » incl. 4 sensors (2 × FKP6, 2 × FRP6)	A



FlowSol® XL

The FlowSol® XL is a pre-assembled twin-line pump station especially developed for systems with high flow rates. Equipment and nominal width are designed to meet the demands of large collector fields.

For collector fields of up to 100 m²

- Integrated DeltaSol® BX Plus controller
- Integrated energy-saving high-efficiency pump
- Safety assembly with connection for the diaphragm-type expansion vessel, safety valve and pressure gauge
- Ball valves in flow and return with non-return valves and thermometer handles
- Flowmeter
- Air separator with manual air vent for the solar thermal system
- Fill and drain valves

TECHNICAL DATA

Circulating pump: Wilo Stratos PARA 15/1-9
(maximum power consumption: 88 W)

Safety valve: 6 bar

Pressure gauge: 0 ... 10 bar

Flowmeter: 5 ... 35 l/min

for low-flow systems (0.2 l/min/m²) with collector fields of up to 100 m²

for high-flow systems (0.5 l/min/m²) with collector fields of up to 50 m²

Ball valves in flow and return with non-return valves and thermometer handles:

non-return valves: opening pressure 20 mbar, openable thermometer: 0 ... 160 °C

Connection to diaphragm-type expansion vessel:

1" ET, flat sealing

Outlet safety valve: 1" IT

Connections to the solar pipes: 1" IT

Maximum temperature flow/return: 120 °C/95 °C

Maximum pressure: 6 bar

Medium: water with max. 50% glycol

Dimensions:

approx. 470 x 380 x 220 mm (with insulation)

distance centres: 125 mm

distance centre/wall: 73 mm

Material:

fittings: brass

seals: AFM 34

o-ring: FKM

insulation: EPP foam

ErP data overview

Solar controller	BX Plus
Standby [W]	0.73
Auxiliary electricity consumption [kWh/a]	
Wilo PARA ST 15/1-p-RKA-130-6H	94.4

Article no.	Article	Price bracket
290 023 93	FlowSol® XL – DeltaSol® BX Plus – Twin-line pump station » incl. 5 sensors (2 x FKP6, 3 x FRP6)	A
290 026 83	FlowSol® XL – without controller – Wilo Stratos PARA 15/1-9	A