



RESOL pump stations



FlowSol® S HE

Single-line pump station



FlowSol® B HE

Twin-line pump station



FlowSol® B HE

Twin-line pump station

RESOL pump stations – simply more

- As a control technology specialist, we develop station and controller in perfect sync – for an optimum outcome
- Available with different pumps and controllers
- All the vital electronic and hydraulic components for operating a solar thermal system contained in one pre-assembled station
- Award-winning functionality and design
- Broad range of accessories – perfectly matched for controller and station
- Customised and OEM versions available also for small-batch series



www.resol.com

FlowSol® S/S HE pump station



rosenthal design 

The FlowSol® S 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
- Fill and drain valves
- Wall mounting bracket with fastening material
- Insulated design casing
- Integrated standard or high-efficiency pump

Technical data

Circulating pump:

FlowSol® S: Wilo ST 15/6 ECO or 15/7 ECO (surcharge); FlowSol® S HE: Wilo Yonos PARA ST15/7.0-PWM2

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 × 223 × 193 mm (with insulation)

distance centres: 100 mm

distance centre/wall: 67 mm

Material:

fittings: brass

seals: EPDM/AFM 34

insulation: EPP foam


Optionally available with a Grundfos pump!

For information on the power consumption of the pump and on the auxiliary current see data sheet.

FlowSol® B/B HE pump station



Innovative hinged controller panel for easy access!

rosenthal design 

The FlowSol® B 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.

The pump station is available in many combinations with four different controller series and four different pump variants.

- 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

Circulating pump: FlowSol® B: Wilo ST 15/6 ECO or 15/7 ECO (surcharge); FlowSol® B HE: Wilo Yonos PARA ST15/7.0-PWM2

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

Optionally available with a Grundfos pump!

For information on the power consumption of the pump and on the auxiliary current see data sheet.

FlowSol® B HE WMZ pump station



The FlowSol® B HE WMZ is a pre-assembled twin-line pump station with integrated heat quantity measurement via a VFS Grundfos Direct Sensor™. An external flowmeter is not required.

- With integrated heat quantity measurement via VFS Grundfos Direct Sensor™
- Pre-assembled twin-line pump station
- Integrated DeltaSol® BX W controller
- Design insulation casing
- Innovative hinged controller panel for quick and easy access to the hydraulic components
- Safety assembly with connection for the diaphragm-type expansion vessel, safety valve and pressure gauge
- Fill and drain valves
- Wall mounting bracket with mounting material
- Air separator with manual air vent for the solar thermal system

Technical data

Circulating pump:
Wilo Yonos Para 15/1-7 PWM2

Safety valve: 6 bar

Pressure gauge: 0 ... 10 bar

Grundfos Direct Sensor™: VFS 1-12, VFS 2-40

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, at the VFS: ¾" ET

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

For information on the power consumption of the pump and on the auxiliary current see data sheet.

FlowSol® XL pump station



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.

- 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 with non-return valves in flow and return
- Flowmeter
- Air separator with manual air vent for the solar thermal system
- Fill and drain valves

Circulating pump: Wilo Stratos PARA 15/1-9

Safety valve: 6 bar

Pressure gauge: 0 ... 10 bar

Flowmeter: 5 ... 35 l/min

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 × 380 × 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

For information on the power consumption of the pump and on the auxiliary current see data sheet.

Survey of pump stations



FlowSol® S FlowSol® S HE FlowSol® B FlowSol® B HE FlowSol® B HE WMZ FlowSol® XL



Wilo ST15/6 ECO	✓		✓			
Wilo ST15/7 ECO	✓		✓			
Wilo Yonos PARA ST 15/7.0-PWM2		✓		✓	✓	
Wilo Stratos PARA 15/1-9						✓
Air separator			✓	✓	✓	✓
Flowmeter	1 ... 13 l/min	1 ... 13 l/min	1 ... 13 l/min	1 ... 13 l/min		5 ... 35 l/min
Grundfos Direct Sensor™					✓	
DeltaSol® BS/2, BS/4, BS Plus	✓		✓			
DeltaSol® BX, BX L, BX Plus			✓	✓		✓ (BX Plus)
DeltaSol® BX W					✓	
DeltaSol® CS/2, CS/4, CS Plus	✓	✓	✓	✓		
DeltaSol® SL, SLL, SLT			✓	✓		
Metric thread / 230V~ pump	✓	✓	✓	✓	✓	✓
NPT thread / 115V~ pump	✓	✓	✓	✓	✓	

Further combinations of pumps and threads are available on request!

Accessories

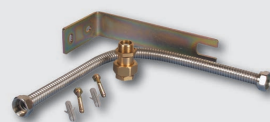


SBS 2000 filling and flushing station

The SBS 2000 has been especially designed for professionally filling and flushing solar thermal and heating systems. Its many thought-out details facilitate transport, operation and cleaning, the attractive design makes it the ideal companion for a professional performance.

Wall mounting for expansion vessel

Wall mounting for expansion vessel with screws and wall plugs, high grade steel corrugated tube and connection thread 3/4". Including quick release valve coupling enabling removal of expansion without draining down of the system.



Article no.: 280 004 60

ALS15 discharge hose

1.5 m hose for connection to the safety valve of the RESOL pump station.

Article no.: 280 004 92

