



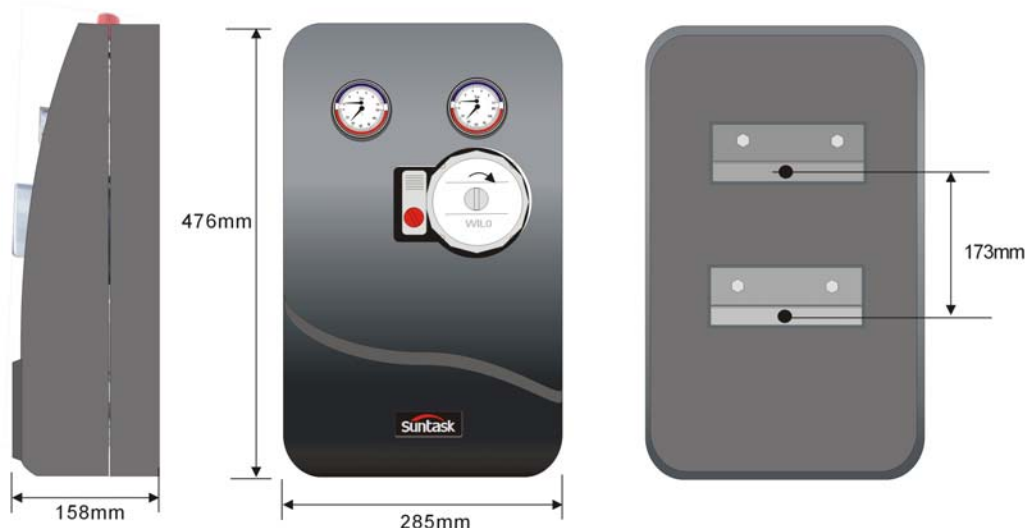
Solar hot water working station WS- (self filling pump)

WS- feature:

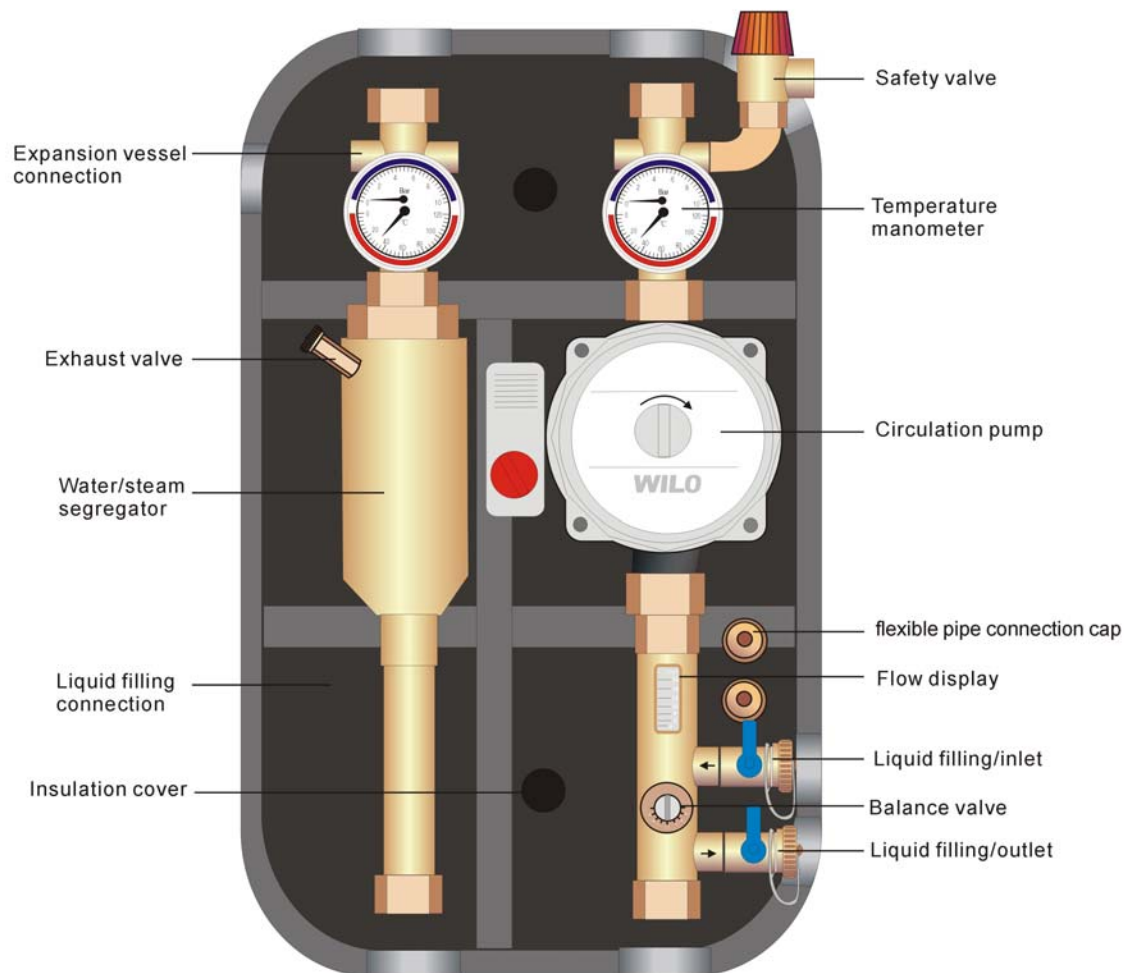
WS-II is a combined circulation unit for solar applications. On the right hand side, the pump will supply from the storage tank to the solar collector, and the left hand pipe is the return from the collector to the tank coil.

- No filling pump needed, Using the working station with the container supplied could simplify the installation on filling medium liquid. The circulation pump will allow one man to fill the system.
- Multifunctional ball valve to simplify the system filling.
- Install the collector and the cylinder separately.
- Preset the flow rate.
- Air stop device , manual integrated vent.
- Can work conjunction with any controller.
- Safety operation, excellent performance, Maintenance free.

externality size



WS- structure



technical parameters

application range: Combined self-fill circulation unit for solar thermal applications

Body Dimensions (HxWxD): 476x285x158mm

Max pressure : 10 Bar

Max working temperature: 100°C

Max surrounding temperature: 45°C

connection size: G3/4" female

Safety Device

Safety valve: 6 Bar

Air stop device: G 1/4"

Thermometer/pressure gauge : 0~10Bar / 0~120°C

Circulation Pump

Mode : WILO RS-15/6 RS-25/6

Maximal flow rate : 2.5T/ h

Max lift: 6 m

Max working pressure :10 Bar

Working temperature: -25 °C +110 °C

power supply: 220V/60Hz or 110V/ 50Hz

balance valve

Flow rate control range: 4 to 16 l/ min

applicability : Flow meter is control the flow rate from the rang 4-16 L/ min. the flow meter can display exactly flow rate. Anti-blast glass and brass cover Vertical installation is obligatory.

cover

insulation EPP black ppe

installation

installation vertically

component

Working station unit

liquid container 1pc

self filling flexible pipe 2 pcs

expansion tank connection pipe 1pc

wall mounting bracket 1 set

installation manual 1 set



Optional parts

controller

has 3 sensors one PT 1000 and two 10K, SR618C has 6 sensors (2 PT 1000 and 4 10k)

SR868c6 Controller



solar controller is a comparator with two temperature inputs and an output to control the pump. When the temperature of the solar collector's output is higher than the cold input to the consumer (heating system or thermal store) the pump is switched on to circulate the working fluid through the panel. Displaying and setup the temperature both on tank and collectors.

Over heating protecting and timing heating

Optional parts

expansion vessel 5~24L



An **expansion tank** or **expansion vessel** is a small tank used in closed water heating systems and domestic hot water systems to absorb excess water pressure, which can be caused by thermal expansion as water is heated, or by water hammer. The vessel itself is a small container divided in two by a rubber diaphragm. One side is connected to the pipe work of the heating system and therefore contains water. The other, the dry side, contains air under pressure,



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