



**Circulation units  
for solar heating systems  
255 - 256 series**

**Function**

The circulation unit is used on the primary circuit of solar heating systems to control the temperature in the hot water storage. The pump inside the unit is activated by the signal from the differential temperature regulator. In addition, this unit contains the functional and safety devices for optimum circuit control.

**The unit components enable:**

- Medium circulation with specific pump
- Safety against pressure increase
- Accurate flow rate control
- Filling / draining the circuit
- Measuring the flow and return temperature
- Separating the air contained in the circuit
- Shutting off the circuits and non return
- Thermal insulation

**Product range**

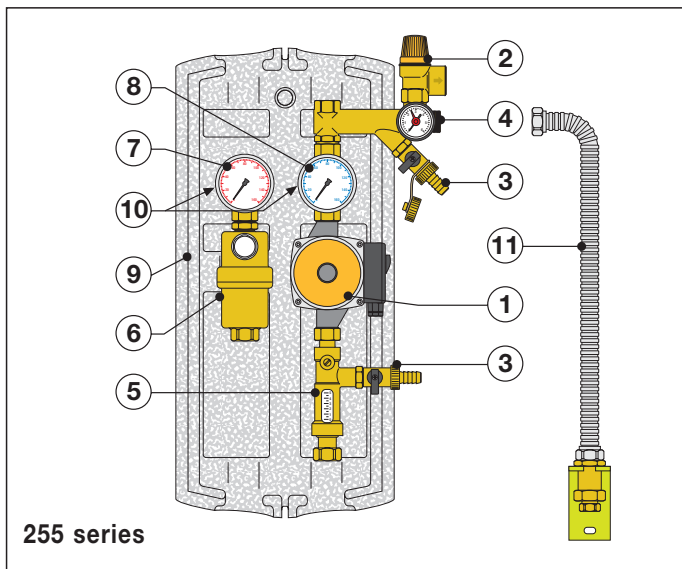
- 255056 code Circulation unit for solar heating systems, flow and return connection
- 256056 code Circulation unit for solar heating systems, return connection
- 255001 code Connection kit for expansion vessel

**Technical Specifications**

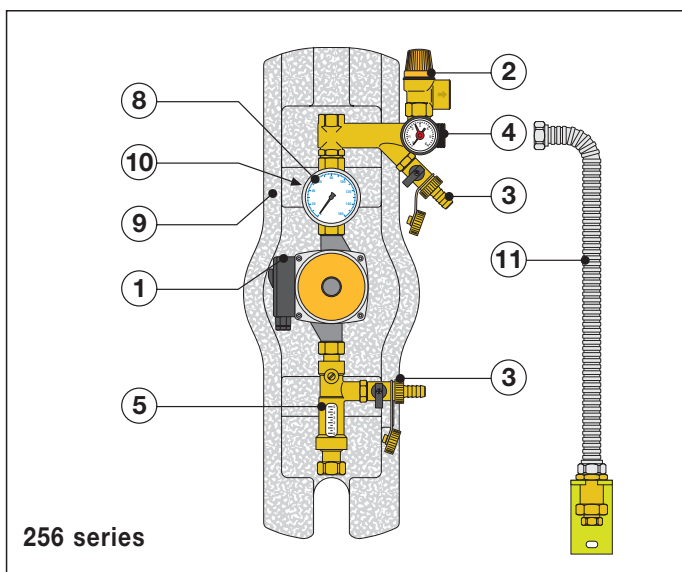
**255 - 256 series**

Medium:	water, glycol solutions
Max percentage of glycol:	50%
Max working pressure:	10 bar
Relief valve temperature range:	-30–160°C
Pressure relief valve setting:	6 bar (for other settings see series 253)
Flow meter scale:	1–13 l/min
Max flow meter temperature:	120°C
Thermometer scale:	0–160°C
Connections:	3/4" F

## Characteristic components



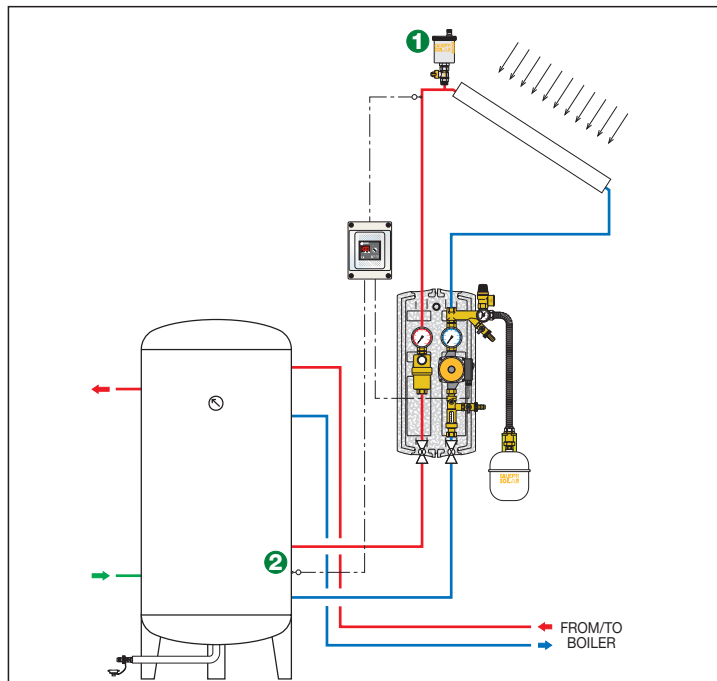
255 series



256 series

- 1) Grundfos Solar 15-60 circulation pump
- 2) Pressure relief valve for solar heating systems 253 series
- 3) Filler/drain cock
- 4) Instrument holder fitting with pressure gauge
- 5) Flow-rate regulator with flow meter
- 6) Air vent device
- 7) Flow thermometer
- 8) Return thermometer
- 9) Pre-formed shell insulation
- 10) Check and shut-off valve
- 11) Connection kit for expansion vessel (optional)

## Application diagram



## Accessories



### 259 series

Welded expansion vessel for solar systems.  
Diaphragm certified to DIN 4807-3 standard.  
Compatible with glycol solutions.  
Max working pressure: 10 bar.  
Temperature range: -10–110°C.  
Available with capacities of 12, 18, 25, 35  
and 50 litres.



### 255 series

Expansion vessel connection kit.  
Composed of:  
- stainless steel hose;  
- automatic shut-off cock;  
- wall bracket.  
Max working pressure: 10 bar.  
Cock max working temperature: 110°C.

*We reserve the right to change our products and their relevant technical data contained in this publication at any time and without prior notice.*