

System Tank

DIR800 / DIR1000



System Tank DIR

Tecnical Data

Models	800 l	1000 l
Hot water zone	215 l	280 l
Heating zone	120 l	120 l
Diameter insulated	1000 mm	
Diameter non-insulated	790 mm	
Height insulated	1825 mm	2110 mm
Height non-insulated	1755 mm	2040 mm
Tilting measure non-insulated	1788 mm	2068 mm
Weight	160 kg	180 kg
Flexible-foam insulation	100 mm	
Thermal conductivity insulation (λ)	0,041 W / (mK)	
Admissible operating pressure	3 bar	
Admissible pressure solar loop	10 bar	
Admissible operating temperature heating	95°C	
Admissible operating temperature solar loop	110°C	
Heating surface area solar heat exchange	2,5 m ²	3 m ²
Volume solar heat exchanger	16,5 l	19,8 l
Thermal sensor inner diameter	15 mm	
Sensor hot water	1350 mm	1510 mm
Sensor heating	1230 mm	1300 mm
Sensor solar	490 mm	550 mm

Function:

The DIR is an innovative solution for hot water generation and heating support. The thermal energy is distributed to radiators and floor heating systems by up to two attachable heating circuit groups. Vital and healthy water is heated up in the MAC30.

The SONGUT fresh water system tank is a comprehensive heating system solution which is hydraulic and electric ready-for-connection. A heating source independent layered buffer tank, patented hygienic hot water generation and integrated high- and low-temperature heating circuit groups all combined in one aligned system.

Advantages:

Required space:

- optimized use of space and pleasing design

Hygiene:

- continuous-flow heating of water prevents the formation of legionella

Comfort:

- quick and easy installation and starting up.
- no piping necessary for hot water storage
- the patented temperature control guarantees constant hot water temperatures and prevents furring

Technology:

- high quality and long lifespan
- integrated bare-tube heat exchanger with high transmission capacity
- optimized layering due to partition plates and inflow slow-downs.
- plug-in heating circuit groups MOC
- automated system deaeration
- optimized insulation, including flexible foam rings for unused pipe connections

Optimally combinable with various heating systems:

- solar thermal
- pellet burners
- heat pumps
- gas burners
- wood burners
- oil burners

