



# SOLAR CALORIFIERS

## SAVING THE SUN'S ENERGY FOR LATER USE

Solar calorifiers are an essential component of a solar thermal system because they store the thermal energy captured by the collectors. This energy is available to users on demand and guarantees the reliability of the system's supply and its optimum efficiency irrespective of when the energy is actually needed. Quality features of solar calorifiers are low heat losses, optimised temperature stratification and resistance to corrosion.

Various different types of calorifier guarantee that the sun's energy can be used effectively:

- **Floor-standing** calorifiers are available with capacities from 300 to 1000 litres.
- **Intermediate** calorifiers provide heating backup and water heating. Whenever the solar yield does not suffice to heat the water, the contents of the intermediate calorifier are operated by the heating system. Conversely, surplus thermal energy can be returned to the heating system.
- The multifunctional **stratification cylinder** makes it possible to combine the solar energy system with gas/oil boilers, combi-boilers or wood pellet boilers.



## Saving of up to two-thirds of heating-energy

The solar yield can be increased to as much as two-thirds of annual heating energy consumption by coordinating the collector and intermediate calorifier circuits. The intelligent control technology ensures at the same time that maximum use is made of the solar yield and that the system is easy to operate. As well as the standard Wolf control system WRS, the solar module SM1 and the control module BM Solar are available. The modules operate both independently and in communication with each other, thus controlling the entire heating circuit automatically.

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## BSP stratification cylinder

- Cylinder capacity 800 or 1000 litres
- High-performance freshwater module (30 l/min)
- Space-saving, with overall height of only 1810 or 2090 mm, diameter 960 mm
- Stratification plates stabilise the temperature zones inside the tank
- Optionally with 2 mixer circuit assemblies for the high and low-temperature circuit
- Minimal heat losses thanks to single tank system
- All tanks made from steel with quality certificate
- Ideal for heating backup



Further types of calorifiers:

Model	Floor-standing calorifier SEM-1	Double calorifier SED-750/ 250	Intermediate calorifier SPU-2-W/ SPU2
Cylinder capacity (ltr.)	Min. 300; Max. 1000	750	Min. 480; Max. 1520
Max. operating temperature, hot water/ heating water (°C)	95/110	95/95	95/110
Max. operating pressure (bar)	10/10*	10/3*	10/3*
Heat exchanger area (m <sup>2</sup> )	Min. 0.95; Max. 1.45* Min. 1.4; Max. 2.4**	2.5	Min. 1.8; Max. 3.6***
Overall height (mm)	Min. 1755; Max. 2180	2050	Min. 1640; Max. 2150
Diameter (mm)	Min. 600; Max. 940	950	Min. 850; Max. 1200
Weight (kg)	Min. 130; Max. 350	250	Min. 85; Max. 230

\* Values for heating

\*\* Values for solar

\*\*\*Only SPU-2-W



A Product of

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