SOLAR COLLECTORS

Practical Solar Solutions

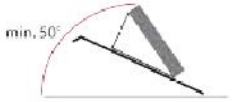
MEI- SWH 160 Solar Water Heater with Integrated Tank

The new **MEI-SWH160** is an already pre-assembled solar compact system comprising an aluminium high power collector with an integrated 160 litres tank. For the installation, the frame is simply unfolded, hot and cold water connected -ready. However, the product is also impressive due to its aesthetic design and its performance: Due to improved layering of the boiler, the **MEI-SWH160** yields 15% more in comparison with good thermosyphon systems and due to its ethanol circuit it is also an absolutely frostproofed and maintenance-free system.

System installation options

Freestanding installation 50°

Pitched roof for roof inclinations 15° - 25°



Technical data	MEI-SWH160
Overall area [m ²]	2,34
Absorber area [m ²]	2,14
L x W x H [mm]	2000 x 1170 x 83 mm
Weight [kg]	110 kg
Housing	Al-frame
Surface	Al, natural
Absorber	Al, highly selective vacuum coating
Absorption [%]	90
Emission [%]	15
Ø manifold [mm]	22
Ø risers [mm]	8
Connections	½ "
Glass	3.2 mm prismatic solar safety glass
Transmittance of glass [%]	89
Insulation	50 mm mineral wool plate
Max. stagnation temperature	95 °C
Max. operating pressure	6 bar
Heat transfer medium	Ethanol
Collector inclination	min. 50°
Boiler	enamelled steel
Boiler capacity [l]	160
Heating rod (optional)	1.5 kW / 220V
Standard packaging	vertical, packed individually

MEI-SWH160 *Product Benefits*

- Pre-assembled compact system for simple and quick installation
- No overheating due to the established heatpipe principle
- High yield due to optimised layering and the best possible insulated doublewalled-boiler
- Frostproofed and maintenance-free system due to ethanol circuit
- Tempered, low iron solar safety glass
- The use of quality, recyclable materials ensures a long service life and high environmental compat bility
- Maximum heat transfer between the absorber sheet and the header tubes due to optimised laser welding technology
- Aesthetic, high quality design

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