

# Solar Accessories

	Code
<b>Solar system management accessories and devices</b>	
<p><b>Sensys, modulating system manager (wired)</b></p> <ul style="list-style-type: none"> <li>- Remote control of all boiler functions through the BUS Bridgenet protocol</li> <li>- User-Friendly Setting/Configuration of system parameters</li> <li>- thermoregulation</li> <li>- Display of solar system working (if connected)</li> <li>- Display of energy reports (kWh), solar energy production, CO2 savings, stored DHW</li> <li>- Modulating sensor for detecting of the room temperature</li> <li>- User-friendly daily and weekly scheduling of central heating</li> <li>- User-friendly daily and weekly scheduling of domestic hot water (only in case of only-heating boiler coupled to a tank)</li> </ul>	<p>3318585 IT-EN-FR-ES-PT</p> <p>3318613 TK-RUS-GR-HR-SRB</p> <p>3318615 PL-CZ-HU-RO</p>
<p><b>ELIOS 25 solar control unit</b></p> <p>Control unit with LCD able to show and manage up to 20 types of solar plants. Four inputs for Pt1000 Class B DIN type probes and four high voltage outputs. Three probes supplied, two for the cylinder and one for the collector with copper well. The control unit displays the temperatures detected by the probes, on-screen diagnostics, system test function, counting the hours of integration and anti-freeze function. Dimensions: 156 x 108 x 47 mm.</p>	3104047
<p><b>Additional DHW solar probe</b></p> <p>Cylinder probe with diameter of 6 mm Pt1000 Class B DIN with 1 metre of blue cable suitable for measuring cylinder temperatures; range -50°C/+110°C. Compatible with Elios 25.</p>	3104049
<p><b>Additional collector solar probe</b></p> <p>Cylinder probe with diameter of 6 mm Pt1000 Class B DIN with 1 metre of grey cable suitable for measuring collector temperatures; range -50°C/+200°C. Compatible with Elios 25. Copper well and probe-holder clamp included.</p>	3104048
<p><b>Digital thermostat</b></p> <p>Device with input for probe and output for the actuation of a high voltage load at 250 V like a diverter valve with 2 or 3 wires. The three digit display allows to view the temperatures and the setting of the functioning parameters. Supplied cylindrical probe with diameter of 6 mm Ptc1000 with 1.5 metres of cable. Dimensions: 79 x 115 x 42 mm.</p>	800232
<p><b>Electrical resistance</b></p> <p>Flanged resistance kit for 1.5 kW single-phase natural circulation systems and 220 V power supply. Includes flange, magnesium anode, thermostat and small cap. Suitable for Kairos Thermo Direct (all versions) and Kairos Thermo HF (all versions).</p>	107069
<p><b>Safety group</b></p> <p>Pre-assembled group including safety valve, automatic air release valve and manometer</p>	12053830
<p>heating return probe S4</p>	3024175



# Solar Accessories

	Code
<b>Hydraulic devices and accessories</b>	
<p><b>Solar pump unit 25-65 (AR)</b> Pumping station for forced circulation systems, equipped with safety unit, regulation and rinse unit. Hydraulic connections in 3/4" flat seal version. Flexible tube and quick-coupling fitting for expansion vessel. Dimensions: 250 x 375 mm. Flow - return centre-to-centre distance 100 mm.</p>	3024056
<p><b>Digital Solar Pump Group</b> Pumping station for forced circulation plants, equipped with a safety, regulation and rinse unit, digital pressure and temperature sensors, electronic control board provided with a collector probe and two tank probes. Hydraulic connections in 18 mm or in 3/4" flat seal version. Dimensions: 275 x 480 mm. flow - return axles distance 125 mm. NB: system interface SENSYS to be ordered separately</p>	3024151
<p><b>Cascade solar pump unit 25-65</b> Pumping station for forced circulation systems, equipped with safety unit, regulation and rinse unit. Hydraulic connections in 3/4" flat seal version. To be coupled to the solar pump unit 25-65 (AR) for management of systems with several cylinders or with several sets of collectors. Dimensions: 250 x 375 mm.</p>	3024057
<p><b>Solar pump unit 25-120</b> Pumping station for large forced circulation systems, equipped with safety unit. Hydraulic connections in 3/4" flat seal version. Flexible tube and quick-coupling fitting for expansion vessel.</p>	3024059
<p><b>Thermostatic mixer</b> Bronze mixing valve designed for solar application able to supply constant temperature in a wide range of regulations with reaction times at extremely low thermal transients. Equipped with scald-proof mechanism, protection against calcification and corrosion. Dimensions: 115 x 74 mm.</p>	3024085
<p><b>GAL EVO motorized mixing valve (plus wires)</b></p>	3024176
<p><b>Motorized diverter valve</b> Diverter valve for DHW integration management. 230 V power supply. Temperature of the fluid +1°C/+95°C, maximum functioning differential pressure 4 bar. 3/4" male threaded connections. Dimensions: 94 x 130 x 68 mm.</p>	3087085
<p><b>Motorized three-way valve</b> diverter motorized valve to use exclusively with Macc tank. Suitable with heating and domestic hot water. Includes wires.</p>	3024076
<p><b>GAL EVO motorized diverter valve</b></p>	3024177
<p><b>Fresh water station</b> DHW production module. Minimum flow rate 2,5 l/min. Maximum DHW flow rate 32 l/min. Adjustable temperature from 36 to 65 °C. Dimensions 700x400x295 mm</p>	3024152
<p><b>Recirculation kit FWS</b></p>	3024161
<p><b>Hydraulic kit COMBI</b></p>	3024174



# Solar Accessories

	Code
<b>18 lt solar expansion vessel</b>	4448666440
<b>25 lt solar expansion vessel</b>	4448666451
<b>35 lt solar expansion vessel</b>	12002737
<b>50 lt solar expansion vessel</b>	12028860
<b>80 lt solar expansion vessel</b>	12078041
<b>150 lt solar expansion vessel</b>	3720857
<b>200 lt solar expansion vessel</b>	3720858
<p>Suitable for use in closed heating systems with solar energy as per DIN 4757 and EN 12977. The vessel is equipped with a special membrane for solar systems, certified according to the DIN 4807-3 Standard, which separates the air side from the side containing the solar liquid. The fixing brackets allow stable and safe installation. Maximum pressure equal to 10 bar, System use temperature within -10°C/+99°C.</p>	
<b>Generic solar plate heat exchanger 16kW</b>	3024036
<b>Generic solar plate heat exchanger 32kW</b>	3024037
<b>Generic solar plate heat exchanger 48kW</b>	3024038
<p>Brazed steel plate heat exchanger, suitable for use with domestic hot water and heating. Operational pressure 5 bar, maximum operational temperatures 60/45 °C respectively with exchange surfaces (m2)* / number of plates / acceptable volumetric flow rate (l/h) equal to 0.4 / 18 / 720; 0.8 / 34 / 1440; 1.2 / 48 / 2500</p>	
<b>Solar heat exchanger for swimming pools 20kW</b>	3024039
<b>Solar heat exchanger for swimming pools 40kW</b>	3024040
<b>Solar heat exchanger for swimming pools 70kW</b>	3024041
<p>*Titanium shell and tube heat exchanger, suitable for heating water in swimming pools. Operational pressure 2 bar. Primary/secondary operational flow rates (m3) respectively of 0.9/10; 1.7/15; 3/20.</p>	
<b>Collector side hydraulic adaptation kit</b>	3024070
<p>Contains hydraulic fitting elements for smooth copper pipe measuring 16-18 and 22 mm and for connection with 3/4" flat seal.</p>	
<b>Pump unit side hydraulic adaptation kit.</b>	3024071
<p>Contains hydraulic fitting elements for smooth copper pipe measuring 16-18 and 22 mm and for connection with 3/4" flat seal.</p>	
<b>Automatic air vent valve</b>	3024158
<b>Stainless steel roof passage pipes.</b>	3087014
<p>Contains two flexible stainless steel pipes measuring 22 mm with isolation measuring 1 m. Connections for smooth copper pipe measuring 16-18 and 22 mm.</p>	
<b>Twin pre-isolated pipes</b>	3024069
<p>Kit containing 10 m of corrugated stainless steel dual piping with 16 mm diameter and preisolated. Collector probe cable is incorporated. A bronze fitting kit is supplied for connection to the collectors and the pumping station.</p>	
<b>1/2" hydraulic safety unit</b>	877084
<b>3/4" hydraulic safety unit</b>	877085
<b>1" hydraulic safety unit</b>	885516
<b>1" siphon</b>	877086
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<b>Instruments for filling and maintenance of the solar system</b>	<b>Code</b>
<b>Pure anti-freeze liquid (5 lt)</b>	800215
<p>Non-toxic, odourless and hygroscopic propylene glycol. The corrosion inhibitors contained in the propylene glycol protect the metals normally used in solar installations. Can be mixed with water in all proportions between 25% and 75%.</p>	
<b>Anti-freeze liquid manual loading pump</b>	800235
<p>Bronze piston pump for connection to the solar system during the filling phase and pressurisation.</p>	

