

Aesthetics and Efficiency



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CMG Solari started its business in 1981. Since then the Italian company has become a leader of the domestic market in the manufacturing and distribution of solar thermal systems for heating and cooling. CMG Solari offers a complete range of highly innovative products for natural and forced circulation solar systems.

In the last two years the company's research department has developed and applied a special heat pipe technology to CMG Solari's natural circulation systems. It allows the

company to combine high efficiency with outstanding design – the boiler is not visible. NEW EFFICIENT is the name of this innovative heat exchange mechanism which uses evaporation and condensation in the heat pipe. In 2008 NEW EFFICIENT Horizon has been patented. This ingenious system can be in-

stalled both on flat and sloped roofs. In 2009 the international patent procedure for NEW EFFICIENT Horizon has been filed.

The NEW EFFICIENT systems are aesthetically characterized by the position of the boiler behind the collector, that permits a perfect architectural integration. Its special circuit avoids parasite inverse circulations, which constitute a critical element in all the other similar solar systems with glycol that put the boiler under the solar collector.

The thermal exchange happens with the maximum speed, exploiting the mechanism of the nature in its rain cycle. The solar circuit of the NEW EFFICIENT systems doesn't need any maintenance and is resistant to frost up to -60 °C. Moreover, the boiler has an anode with outside control.

The NEW EFFICIENT natural circulation systems are unique in the world of solar thermal products. They are all characterized by extreme compactness, harmony of shapes and remarkable efficiency (about 800 kWh/m²a).

CMG Solari grants exclusive production and selling licenses to interested enterprises.

NEW EFFICIENT systems allow a perfect architectural integration. Photo: CMG Solari