

SOL MAGNA

To heat, to cool, to produce domestic hot water and to generate power with solar collector

The solar energy is free and environment friendly and also effective. The ANTEK solar collector systems consist of high performance collectors and fine tuned system components (panels), which makes it possible to save up to 70% of the energy that is used to produce warm water. As during summer months the energy of the sun is enough to cover the amount of the energy required to produce warm water. Compared with the oil or gas fired systems our expenses decrease to a great extent, and we can also be partly independent from using fossil fuels. We can use the solar collectors not just for producing warm water, but also for heating and cooling. Accordingly during spring and autumn months our systems can be used as a secondary heating to decrease our oil and gas needs and hereby to reduce our expenses furthermore.



Heating with solar collectors to save environment

The ANTEK solar systems also stand on the sunny side of saving the environment: with the use of the solar systems a family house can lower the load of the environment with three quarter of a ton of carbon dioxide (CO₂) yearly.

Cooling with solar collectors

Instead of using traditional air conditioning systems you can use solar cooling. Here you connect the solar collectors with special solar sorption chillers to cool buildings.

Durability and operational safety

The characteristics of ANTEK systems are high operational reliability and long service life. The SOL MAGNA solar collectors are made from high quality corrosion and UV resistant components. The result of this is a constant and high thermic performance, which is confirmed with persistent quality tests.

Green Energy Technology from ANTEK – Government subsidy

With our systems you can decreased not just your expenses, but for the installation of an energy saver and environment friendly technology you could request for pork barrel. Ask information about the subsidy and request it in time.

Heat-pipe principle for high operational reliability

Thanks to the heat-pipe solution, the antifreeze does not flow directly in the vacuum tubes. The liquid circulates in a special pipeline, evaporates because of the sunbeam and transfers the energy to the antifreeze via a heat exchanger.

Simple installation and service

Thanks to the copper wire the installation of the SOL MAGNA collectors are simple and quick. The tubes are able to pick up the energy of the sunbeams in 45 angle range. The high efficient vacuum tubes maximize performance. The assembly of tubes is in a so-called dry system, where the antifreeze and the liquid in the pipeline do not mix. Advantage of the system is that the tubes are composed of separate, compact unit, which can be serviced apart so in cases of break it is not necessary to empty the whole system to change a few parts.



High-grade materials

High quality corrosion-resistant materials ensure reliability, operational safety and durability. In our systems we use materials such as glass, aluminium, copper and stainless steel.

Advantages of SOL MAGNA:

- according to the heat pipe principle, the high efficient vacuum tube collectors have a high operational reliability
- the absorber surface, which is SOL MAGNA coated and integrated into the vacuum tubes, resist the contamination
- tubes can be rotated for optimum alignment with the sun, thereby maximizing the energy yield
- because of the thermal isolated distributor there is minimal heat loss
- simple installation thanks to the ANTEK installation system
- modern designed collectors

Flat-plate collectors – SOL MAGNA 100

The advantages of the SOL MAGNA 100 are high efficiency and low installation costs. The special solar coating results in a better energy utilization. The corrosion-resistant materials ensure a long service life and long-term high energy yields.

The SOL MAGNA 100 exists in 3 design:

- collectors which can be installed between tiles
- collectors which can be installed on tiles
- collectors which can be installed on facade



High performance-Vacuum tube collector – SOL MAGNA 200

The SOL MAGNA 200 is a high performance vacuum tube collector, which operates according to the heat pipe principle hereby ensure high operational reliability. The collectors can be also installed in those cases where there is no heat transfer in contempt of the high solar irradiation. Where there is no heat transfer after the long term sun-ray.

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Photovoltaic SOL MAGNA 300

Energy of the future – electricity yielded from the sun

The photovoltaic panel system gives opportunity for everyone to generate electricity. The installation of the photovoltaic panel system is remarkably simple: to install panels on the roof, to interconnect cables, finally to join inverter. The produced electricity is taken over by the provider for a lower rate. The yielded solar energy is stored in the public utility network.

