

COAX 200 and 390

Solar Hot Water Generation Deluxe



Take your shower with pure heat from the sun

COAX thermal store

The COAX thermal store provides high-efficiency solar heating and hot water storage through the power of the sun. According to research by Consolar there are no other thermal stores for hot water in this class on the European market that come near its performance.

Usage

- Excellent for the use in family homes
- Ca. 60 - 80 % solar energy savings on your annual domestic hot water bill.
- Compatible with all existing or new boilers

Advantages

- Ca. 10 - 30 % higher energy savings in comparison with conventional installations
- High performance heat exchanger with 50 % higher heat release in comparison with standard models
- Patented insulation system ensures ca. 50% less heat loss
- The COAX 200 is small and compact saving space due to its height of only 1 meter
- Considerably longer storage of solar heat in comparison with conventional installations
- Very environmentally-friendly due to novel LEEPS insulation foam



COAX 200 and 390

High-efficiency Solar Hot Water Generation Through Intelligent Technology

Technical data	COAX 200	COAX 390
Tank volume:	180 l	395 l
Weight without insulation:	135 kg	141 kg
Diameter without insulation:	60 cm	60 cm
Dimensions with insulation:	Height: 100 cm Diameter: 85 cm	Height: 187 cm Diameter: 85 cm
Insulation:	Lid: 12.5 cm Sides: 10 cm + 2.5 cm Base: 3 cm	Lid: 12.5 cm Sides: 10 cm + 2.5 cm Base: 3 cm
Maximum storage temperature:	90°C	90°C
NL-figure at 60°C:	1	1.7
Range of use:	1 – 3 Persons	3 – 5 Persons
Collector area:	2.4 – 5.5 m ²	3 – 7.8 m ²
Materials:	Insulation: Alu-EPS Container: Enamelled steel	Insulation: LEEPS Container: Enamelled steel
Consolar-warranty:	5 year	5 Year

Higher energy savings through new solar heat exchanger

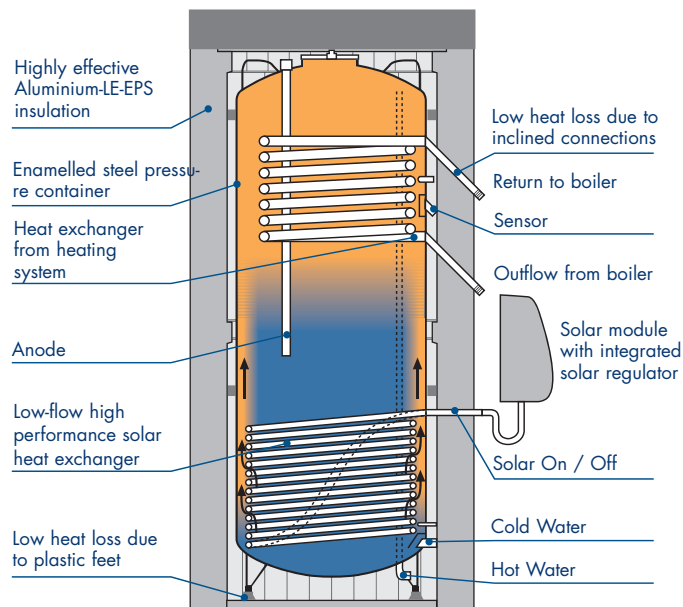
- The solar heat exchanger of the COAX thermal store has a ca. 50 - 70 % higher transmission performance than conventional solar heat exchangers due to a special low-flow design and an exceptionally large surface area. It consists of a very tightly coiled pipe that runs close to the container wall. As a result of this a flow develops between the heat exchanger and the wall. Benefiting from the so-called Coanda-effect, the heated water near the wall rises further to a layer equivalent to its temperature.
- Due to the low flow rate of the heat exchanger energy savings are possible. You also save in terms of materials and labour required for the installation.

Low heat loss through the LEEPS insulation system

- The thicker high-performance insulation is not only superior in terms of environmental-friendliness when compared, for example, with PU foam but the LEEPS insulation system, the special insulating plastic feet of the store and the inclined and low-lying connections reduce heat loss to less than half that of a standard solar thermal store. Thus you have more solar-heated water available for a longer duration.

Simple installation

- A self-supporting mounting system permits a quick and space-saving fitting of the solar station.
- All connections are located on the one side, enabling the thermal store to be connected even in confined spaces.



sectional view of COAX 390 (new version*)

Powerful systems engineering

- In connection with the flat panel collector PLANO 26 or the tube collector TUBO 12 CPC the COAX thermal store provides a high-performance system for family homes.
- Please note our new all-in-one packages in connection with the new pellet stoves LENIUS AP.

New version from summer 2007: The COAX 200 and COAX 390 are being offered from summer/autumn 2007 with an in-built enamelled solar heat exchanger (without flange) with comparably high performance data.

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