



SOLAR THERMAL SYSTEMS **SPECIAL OFFER**

SPRING 2024



**Seasonal Sets
with solar thermal systems
for family homes**

OVERVIEW OF SETS



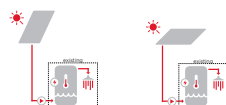
Solar thermal system
with hot water storage tank for DHW heating

page 3



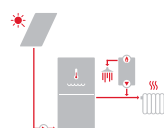
LIGHT Solar thermal system
with hot water storage tank for DHW heating

page 4



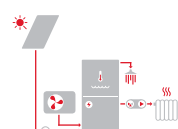
Solar thermal system for existing hot water storage tank

page 5



Solar thermal system with HSK combination thermal store
for DHW heating and space heating support, for systems
with boilers

page 6



Solar thermal system with HSK combination thermal store
for DHW heating and space heating support, for systems
with heat pumps

page 7

ACCESSORIES

CODE



Roof anchors for inclined roofs
Anchor for pantiles - hot-dipped galvanized steel

7929



Supports for flat roofs
Triangle Support, pitch 45°
Strut for Triangle Supports

6859
9563



Air release kit

13308



Pre-insulated pipe, DN16, 15m

9619



Expansion vessel for drinking water
Bracket w. 3/4" connection valve

13755
7766



Electronic anode rod for RxDC 200-250 hot water storage tanks
Electronic anode rod for DUO
Electronic anode rod for RxDC 300 hot water storage tanks
(set of 2 anodes)

9174
13973
17378



Auxiliary electric heating element, power cord

15167
16942

SOLAR THERMAL SYSTEM FOR DHW HEATING

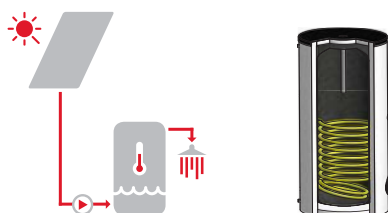
The simplest solar water heating systems can be installed as preheating to existing heating, for example to an electric water heater. If we add an electric heating element to the solar HW storage tank, we get a separate source of hot water even for new buildings. A HW storage tank with 2 heat exchangers is suitable for heating systems with gas or biomass boilers. The solar thermal system is connected to the lower heat exchanger and the gas boiler heats up the water to the desired temperature via the upper heat exchanger. When combining a solar thermal system with solid fuel heat sources, it is also possible to install an electric heating element in the hot water tank that would heat the water off the heating season during insufficient sunshine.



Solar set, hot water storage tank with 1 heat exchanger

THE SET INCLUDES:

- 2 solar thermal collectors
- Hot water storage tank
- CSE SOL W SRS1 T-E HDO Pump station with controller
- 18l Solar expansion vessel, incl. bracket and connection
- Solarten, 20l (solar antifreeze fluid)
- Anti-scald valve

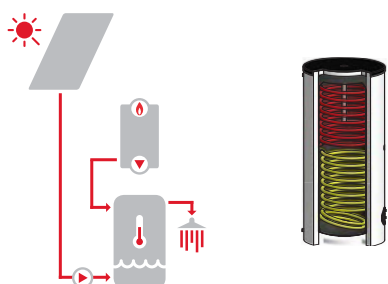


SET	COLLECTORS	TANK	CODE
SOL 250/1	KPS1	RDC 250	16790
SOL 300/1	KPG1	RDC 300	14284

Solar set, hot water storage tank with 2 heat exchangers

THE SET INCLUDES:

- 2 solar thermal collectors
- Hot water storage tank
- CSE SOL W SRS1T Pump station with controller
- 18l Solar expansion vessel, incl. bracket and connection
- Solarten, 20l (solar antifreeze fluid)
- Anti-scald valve



SET	COLLECTORS	TANK	CODE
SOL 250/2	KPS1	R2DC 250	15404
SOL 300/2	KPG1	R2DC 300	14289

“LIGHT” SOLAR THERMAL SYSTEM FOR DHW HEATING



A minimalist solar set designed to be connected before an existing water heater, for example an electric boiler, suitable for **low-income households** (pensioners, households with housing benefit or child allowance).

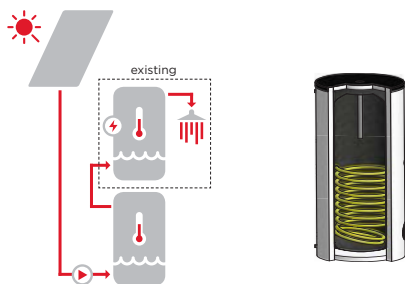
If we supplement the solar tank with an electric heating element, we get a separate source of domestic hot water even for situations when the original tank is no longer suitable.

The set with a tank with 2 heat exchangers can be used to connect a gas boiler, an electric boiler or a solid fuel boiler.

Solar Set, hot water storage tank with 1 heat exchanger

THE SET INCLUDES:

- KPS11 solar collector - 1 piece
- Hot water storage tank
- CSE SOL W SRS1 T-E HDO Pump station with controller
- 12l Solar expansion vessel, incl. bracket and connection
- Solarten, 15l (solar antifreeze fluid)
- Anti-scald valve

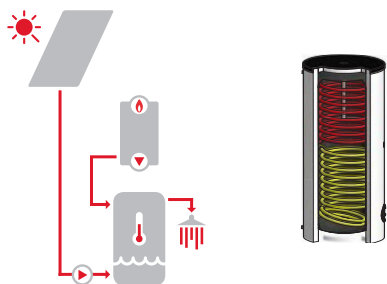


SET	TANK	CODE
SOL 160/1	RDC 160	20717

Solar Set, hot water storage tank with 2 heat exchangers

THE SET INCLUDES:

- KPS11 solar collector - 1 piece
- Hot water storage tank
- CSE SOL W SRS1 T Pump station with controller
- 12l Solar expansion vessel, incl. bracket and connection
- Solarten, 15l (solar antifreeze fluid)
- Anti-scald valve



SET	TANK	CODE
SOL 160/2	R2DC 160	20936

SOLAR THERMAL SYSTEM FOR DHW HEATING IN EXISTING HW STORAGE TANK

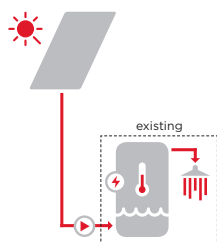
Solar thermal system for installation to a hot water storage tank with a solar heat exchanger which is already installed in the house.



Solar Set, no hot water storage tank, vertical installation

THE SET INCLUDES:

- KPS11 solar thermal collectors - 2 pieces
- CSE SOL W SRS1 T Pump station with controller
- 18l Solar expansion vessel, incl. bracket and connection
- Solarten, 20l (solar antifreeze fluid)
- Anti-scald valve



SET

CODE

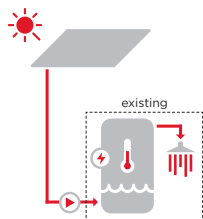
SOL 0/VERT

20718

Solar Set, no hot water storage tank, horizontal installation

THE SET INCLUDES:

- KPG1H solar thermal collectors - 2 pieces
- CSE SOL W SRS1 T Pump station with controller
- 18l Solar expansion vessel, incl. bracket and connection
- Solarten, 20l (solar antifreeze fluid)
- Anti-scald valve



SET

CODE

SOL 0/HORZ

20719

SOLAR THERMAL SYSTEM WITH AUX. HEATING, FOR GAS BOILERS

The solar thermal system is connected to a combination thermal store that ensures both space heating and DHW pre-heating for domestic use. The thermal store is divided into two thermally independent spaces by a separating metal sheet. The lower space can only be heated to the temperature required for heating. The space above the separating plate is constantly maintained at the desired hot water temperature.

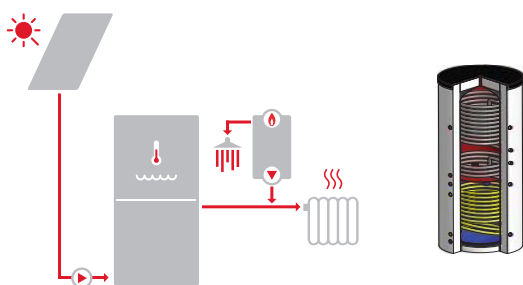
The tank permits installation of electric heating elements or connecting other heat sources - heat pump, fireplace insert, gas boiler...



SOL PK 390 HSK Solar Set

THE SET INCLUDES:

- KPG1 solar thermal collectors - 3 pieces
- HSK 390 PR thermal store with integrated stainless-steel DHW heat exchanger and solar heat exchanger
- CSE SOL G P Pump station and TRS6 K controller
- 25l solar expansion vessel, 60l expansion vessel for heating, incl. bracket&connections
- Solarten, 35l (solar antifreeze fluid)
- Anti-scald valve
- Insulated pump station with mixing valve for heating system



SET

CODE

SOL PK 390 HSK

19460

SOLAR THERMAL SYSTEM WITH AUX. HEATING, FOR HEAT PUMPS

The solar thermal system is connected to a combination thermal store that provides both heating water for space heating and domestic hot water. The division of the tank into two spaces is particularly suitable for systems with heat pumps, as the temperature in the lower part can be even tens of degrees C lower than in the upper one.

Space and hot water heating are controlled by a smart controller that responds to both outdoor temperature and user requirements. The controller is equipped with a web server as standard, which allows full setting via a connected computer or remotely from anywhere over the Internet.

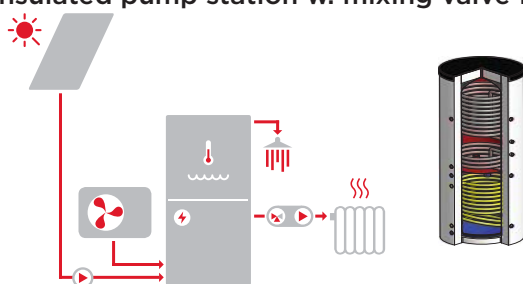
The system is ready to be connected to heat pumps (RTC or CTC series). The set includes also an electric heating element as an auxiliary heat source. Other heat sources can be also connected to the tank.



SOL HSK 390 Solar Set

THE SET INCLUDES:

- KPG1 solar thermal collectors, 3 pcs
- HSK 390 PR s combination thermal store w. integrated stainless-steel DHW heat exchanger and solar heat exchanger
- Electric heating element
- CSE SOL W P pump station
- IR 14 smart controller incl. room sensor
- 25l solar expansion vessel, 60l expansion vessel for heating, incl. bracket&connections
- Solarten, 35l (solar antifreeze fluid)
- Anti-scald valve
- Insulated pump station for heat pump
- Insulated pump station w. mixing valve for heating system



SET	CODE
SOL HSK 390 RTC	20102
SOL HSK 390 CTC	20101

Let yourself be convinced...

SOLAR THERMAL SYSTEM FOR DHW HEATING OR SPACE HEATING SUPPORT?

If you plan to purchase a solar thermal system, you can decide for a DHW heating system only or for a system with space heating support. Two solar collectors for a family of four are usually sufficient to produce hot water.

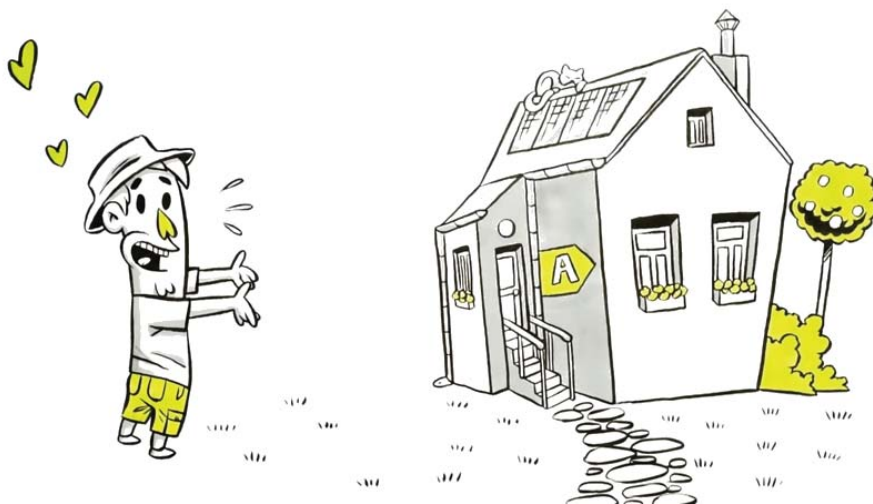


FOR NEWLY BUILT HOMES OR EXISTING BUILDINGS?

Solar thermal systems can also be installed in existing buildings without much difficulty. For example, simply replace the existing electric water heater with a hot water storage tank with a heat exchanger and run the pipes to the roof. If the roof is not oriented right (the deviation from the south should be 45° max.), the collectors can be placed on the gable wall, for example.

FOR SYSTEMS WITH GAS BOILER, COAL BOILER OR FOR HEAT PUMPS?

The solar thermal system can be combined with any heating system. The cost of DHW heating will be always reduced. In addition, it will reduce operating hours of the heat pump and so extend its service life. In systems with solid fuel boilers, it ensures the comfort that there is no need to start the boiler in the summer.



i Please use this web form:
<https://www.regulus.eu/en/inquiry-form>

...we will prepare you a tailor-made offer for free!
Just give us basic data on your house.

REGULUS spol. s r.o., Czech Republic
E-mail: sales@regulus.eu
regulus.eu