

Quality | Reliability | Innovation



SOLAR WATER HEATERS &

CENTRAL SOLAR HEATING SYSTEMS

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THERMOSYPHON SOLAR TANK

- External cover with 3 layers of protection and UV resistance
- ✓ Perfect aesthetic result
- ✓ Internal protection with double enamel, heated at 86°C, certified by the German enamel Federation.
- ✓ Two magnesium anodes for absolute protection.
- ✓ Special internal design for increased efficiency.

SUPPORT BASE

- ✓ Easy and fast installation.
- ✓ Smart design for flat or tile roof installation
- ✓ Connection pipes in stainless steel pre-insulated with UV resistance.
- ✓ All parts are tightened on the structure for high resistance even in typhoon conditions

SOLAR COLLECTOR

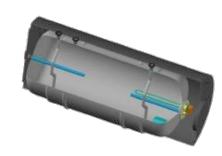
- ✓ Single sheet surface, laser welded for optimizing the heat transfer.
- ✓ Perfect aesthetic result.
- ✓ Robust construction.
- High efficiency even in areas with low sun radiation, thanks to high selective coating
- Low iron tempered glass
- ✓ Certified efficiency and reliability in accordance to EN12975
- ✓ Solar Keymark certified products.













THERMOSYPHON SYSTEMS STD SERIES



TOP SOLUTION

- ✓ Solar Keymark certified
- √ 5 years warranty
- ✓ Smart mounting set for flat/tile roof
- ✓ High efficiency
- ✓ High aesthetic result

THERMOSYPHON SYSTEM

TYPE	VOLUME (I)	COLLECTOR	DIMENSIONS (mm)	NR COLLECTORS	CERTIFICATION	
KEFT150/2.0	145	ARIS2004 HIGH SELECTIVE	1030 x 2030 x 92	1 x 2.09m²		
KEFT200/2.5	198	ARIS2504 HIGH SELECTIVE	1230 x 2030 x 92	1 x 2.49m²		
KEFT300/2.0	282	ARIS2004 HIGH SELECTIVE	1030 x 2030 x 92	1 x 2.09m²		
OPTIONAL Heat exchanger including electrical element of 4 kW and thermostat						

Heat exchanger including electrical element of 4 kW and thermostat

NOTES

- The same mounting set for flat/tile roof installation
- Connection pipes in stainless steel
- Delivered in pallets

THERMOSYPHON SYSTEMS LP SERIES



LOW PROFILE

- ✓ Solar Keymark certified
- √ 5 years warranty
- ✓ High efficiency and aesthetic
- ✓ Max height 1.5M

TYPE	VOLUME (I)	COLLECTOR	DIMENSIONS (mm)	NR COLLECTORS	CERTIFICATION
LKEFT150/2.0	145	ARIS2004 HIGH SELECTIVE	1030 x 2030 x 92	1 x 2.09m²	
LKEFT200/2.5	198	ARIS2504 HIGH SELECTIVE	1230 x 2030 x 92	1 x 2.49m²	
LKEFT300/2.0	282	ARIS2004 HIGH SELECTIVE	1030 x 2030 x 92	2 x 2.09m²	

OPTIONAL

Heat exchanger including electrical element of 4 kW and thermostat

NOTES

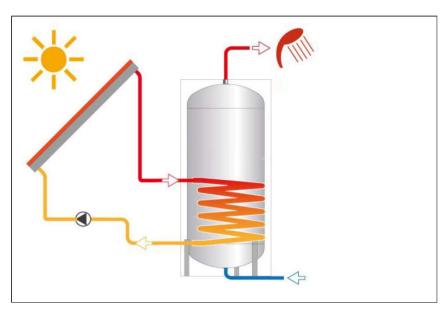
- Available only for flat roof
- Connection pipes in stainless steel





FORCED CIRCULATION SYSTEMS

Solutions overview



MODELS	TANK	NR COLLECTORS	COLLECTOR MODEL	COLLECTOR SURFACE	USERS
KEFT200ST/2.5	200	1	ARIS 2504	2.5 m²	1 – 4
KEFT300ST/2.5	300	2	ARIS 2504	5 m²	3 – 6
KEFT500ST/2.5	500	3	ARIS 2504	7.5 m²	5 – 8
KEFT800ST/2.5	800	4	ARIS 2504	10 m²	8 – 12
KEFT1000ST/2.5	1000	5	ARIS 2504	12.5 m²	12 – 20

With the maximum number of users the annual energy gain will be approximately at 65% under the following parameters:

- 50 I/day/user
- Collector inclination 25 degrees

The sizes/models are indicative. It is always necessary the design of the system from solar specialist.

Domestic Hot Water - high efficiency

KEFT200ST/2.5 for 1- 4 users Optimizing the efficiency and the energy gain Ideal for those who are interested in **high tech and high efficiency solution**



Solar solution KALTECH ENERGY KEFT200ST/2.5

CODE	DESCRIPTION				
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KEFT200ST/2.5	Forced circulation system 200l including:		
	1 x High selective collectors		
	1 x Solar tank Basic BE 200lit (1 coil) with 4kW backup electrical element		
	1 x Support base flat/tile roof installation		
	1 x Pumping station NOVASFER 7000 DN20-3/4" (Ø22mm) 2-12lit/min		
	1 x Solar controller TDC3 3 inputs – 2 outputs		
	1 x Expansion vessel 25lit (solar loop)		
	4 x Thermal fluid (1lit)		
	1 x Expansion vessel 25lit (tank's cold water inlet)		
	1 x Hydraulic components **		

^{**} Compression plugs ©22mm (2pcs.), Compression elbow ©22mm x 3/4 male (1pc.), Sensor valve (1pc), Safety valve10bar (1pc.), Stainless steel pipe to connect expansion vessel (1pc.), Sensor pockets (2pcs.)

Domestic Hot Water – high efficiency

KEFT300ST/2.5 for 3-6 users

Optimizing the efficiency and the energy gain Ideal for those who are interested in **high tech and high efficiency solution**



Solar solution KALTECH ENERGY KEFT300ST/2.5

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CODE	DESCRIPTION		

KEFT300ST/2.5	Forced circulation system 300l including:	
	2 x High selective collectors	
	1 x Solar tank Basic BE 200lit (1 coil) with 4kW backup electrical element	
1 x Support base flat/tile roof installation		
	1 x Pumping station NOVASFER 7000 DN20-3/4" (ØI22mm) 2-12lit/min	
1 x Solar controller TDC3 3 inputs – 2 outputs		
	1 x Expansion vessel 25lit (solar loop)	
5 x Thermal fluid (1lit)		
	1 x Expansion vessel 25lit (tank's cold water inlet)	
	1 x Hydraulic components **	

^{**} Compression plugs I22mm (2pcs.), Compression elbow I22mm x 3/4 male (1pc.), Sensor valve (1pc), Compression straight fittings I22mmX I22mm (2pcs), Safety valve10bar (1pc.), Stainless steel pipe to connect expansion vessel (1pc.), Sensor pockets (2pcs.)

Domestic Hot Water – high efficiency

KEFT500ST/2.5 for 5-8 users

Optimizing the efficiency and the energy gain Ideal for those who are interested in **high tech and high efficiency solution**



Solar solution KALTECH ENERGY KEFT500ST/2.5

CODE	DESCRIPTION
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KEFT500ST/2.5	Forced circulation system 500l including:
	3 x High selective collectors
	1 x Solar tank Basic BE 500lit (1 coil)
	2 x Support base flat/tile roof installation
	1 x Pumping station NOVASFER 7000 DN20-3/4" (22mm) 2-12lit/min
	1 x Solar controller TDC3 3 inputs – 2 outputs
	1 x Expansion vessel 35lit (solar loop)
	7 x Thermal fluid (1lit)
	1 x Expansion vessel 33lit (tank's cold water inlet)
	1 x Hydraulic components **

^{**} Compression plugs I22mm (2pcs.), Compression elbow I22mm x 3/4 male (1pc.), Sensor valve (1pc), Compression straight fittings I22mmX I22mm (4pcs), Safety valve10bar (1pc.), Stainless steel pipe to connect expansion vessel (1pc.), Sensor pockets (2pcs.)

Domestic Hot Water – high efficiency

KEFT800ST/2.5 for 8-12 users

Optimizing the efficiency and the energy gain Ideal for those who are interested in **high tech and high efficiency solution**



Solar solution KALTECH ENERGY KEFT800ST/2.5

CODE	DESCRIPTION
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KEFT800ST/2.5	Forced circulation system 800l including:
	4 x High selective collectors
	1 x Solar tank Basic BE 800lit (1 coil)
	2 x Support base flat/tile roof installation
	1 x Pumping station NOVASFER 7000 DN20-3/4" (22mm) 2-12lit/min
	1 x Solar controller TDC3 3 inputs – 2 outputs
	1 x Expansion vessel 50lit (solar loop)
	10 x Thermal fluid (1lit)
	1 x Expansion vessel 360lit (tank's cold water inlet)
	1 x Hydraulic components **

^{**} Compression plugs I22mm (6pcs.), Compression elbow I22mm x 3/4 male (1pc.), Sensor valve (1pc), Compression straight fittings I22mmX I22mm (4pcs), Safety valve10bar (1pc.), Stainless steel pipe to connect expansion vessel (1pc.), Sensor pockets (2pcs.)

Domestic Hot Water – high efficiency

KEFT1000ST/2.5 for 12-20 users Optimizing the efficiency and the energy gain Ideal for those who are interested in **high tech and high efficiency solution**



Solar solution KALTECH ENERGY KEFT1000ST/2.5

CODE	DESCRIPTION
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KEFT1000ST/2.5	Forced circulation system 1000l including:
	5 x High selective collectors
	1 x Solar tank Basic BE 1000lit (1 coil)
	3 x Support base flat/tile roof installation
	1 x Pumping station NOVASFER 7000 DN20-3/4" (22mm) 2-12lit/min
	1 x Solar controller TDC3 3 inputs – 2 outputs
	1 x Expansion vessel 50lit (solar loop)
	10 x Thermal fluid (1lit)
	1 x Expansion vessel 60lit (tank's cold water inlet)
	1 x Hydraulic components **

^{**} Compression plugs I 22mm (2pcs.), Compression elbow I 22mm x 3/4 male (1pc.), Sensor valve (1pc), Compression straight fittings I 22mm (8pcs), Safety valve10bar (1pc.), Stainless steel pipe to connect expansion vessel (1pc.), Sensor pockets (2pcs.)

Optional

Thermostatic mixing valve TM200SOLAR: Electrical element 9kW 3-phase Stainless steel pipe DN16 (20m): - Pipe insulation 9mm



SOLAR WATER HEATERS & CENTRAL HEATING SYSTEMS

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