TERMICOL
Solar Thermal Manufacturers

Catalogue 2023

Solar thermal collectors and equipment

DHW heat pump

Hybrid solar thermal-aerothermal equipment

Pool heating

Technical advice and project support

INDEX

PRESENTATION

We are specialist manufacturers of solar thermal collectors and we design environmentally friendly solutions through an automated production process since 2001.

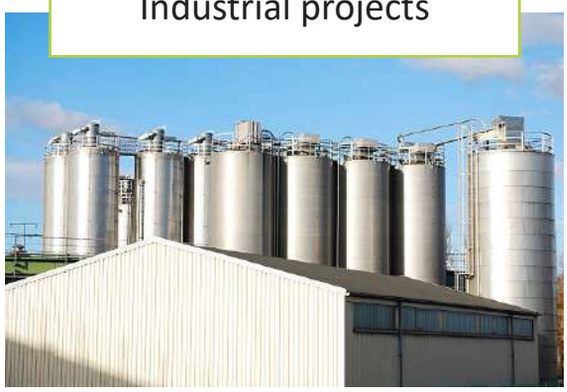
Over the years we have specialized in the development of different solutions for domestic hot water, from solar thermal, aerothermal and hybrid equipment, always with the aim of providing our customers with comprehensive renewable solutions for all their needs, adapting our products and services to new realities.

We characterize ourselves as a company in continuous growth, with the aim of achieving permanent improvement in order to provide products and services adapted to realities.

We have expanded our product catalog by designing and providing renewable solutions for both the residential and industrial sectors, seeking the most suitable renewable energy in each case: buildings, warehouses, car parks, plants and industrial warehouses... carrying out the corresponding studies to size and optimize the installations.

Residential projects

Industrial projects



Our commitment

We work to offer the best products and services adapted to the needs of our customers

Quality and excellence

Focused on the quality of everything we do, seeking perfection in each project

Innovation and sustainability

We are experts in renewable, innovative and environmentally friendly energies environment

PRESENTATION

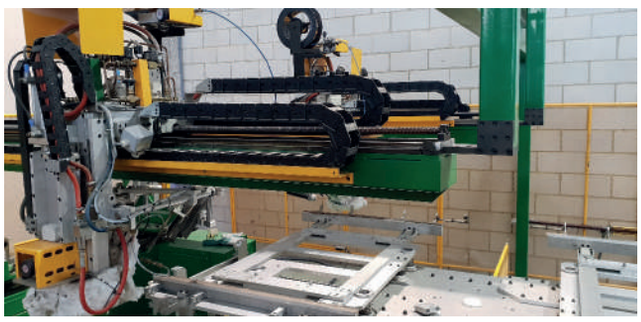
We present the range of products that we have at your disposal:

Range of collectors and equipment:

- Silver, Gold, Gold Meander and Magnum families.
- For all types of applications and climatic zones.
- More efficient and competitive.
- Up to 15 years warranty on collectors.
- Structures in galvanized steel and aluminum.

Range of hybrid equipment and heat pump:

- Termicol Heat Mural, Termicol Heat Pump, Termicol Heat Pump Plus and Termicol Heat Exchager families.
- Compatible with other thermal and electrical energy sources.
- Quick and easy installation.
- Creation of a new system that integrates the solar thermal technology and the technology of the heat pump, called "Termicol Solar Hybrid".



Productive process:

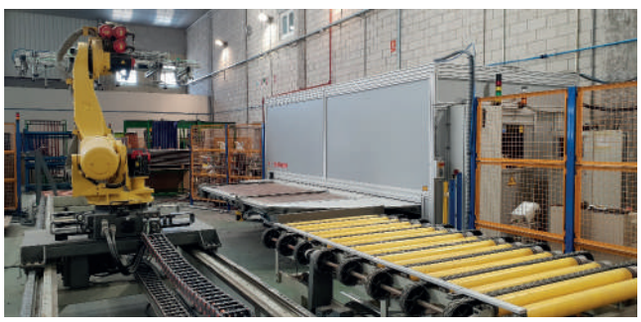
- Laser welding.
- Robotized.
- Fully automated.

Our customer service:

- Technical advice and project support.
- Immediate delivery of high turnover products.
- After sales service.

Advantages solar thermal energy:

- The highest energy savings.
- The lowest possible emissions.
- Inexhaustible source of energy.
- Easy and quick installation.
- Maximum durability and minimum maintenance.

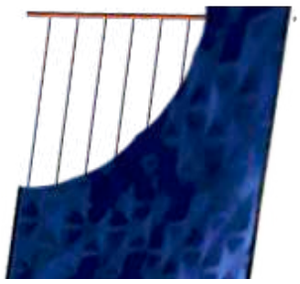


COLLECTORS

- Silver, Gold, Magnum and Gold Meandro, from the most competitive to the most efficient.
- Horizontal and vertical.
- Ultra selective 0,4 mm aluminium full sheet.
- Single band laser welding.
- 18 mm cooper tubes.
- Glass wool insulation.
- Heat-sealed in structural silicone without springs.
- Tempered solar glass 3.2.

INDEX COLLECTORS

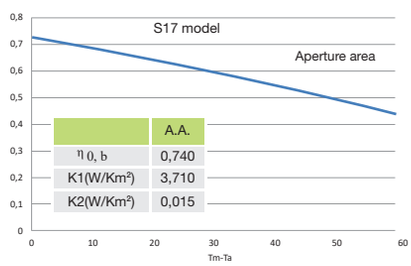
SILVER
Family

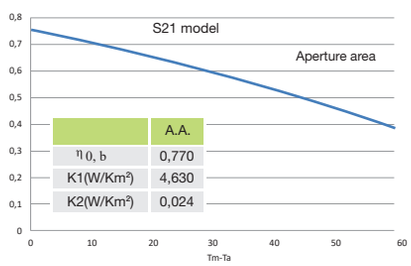


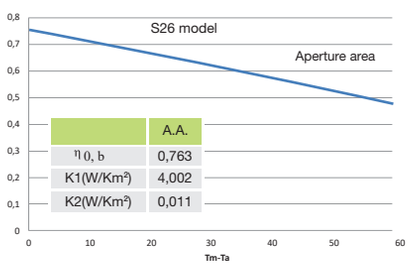
- Harp-type absorber.
- Ultra-thin frame.
- Light weight.
- 3 sizes.
- Horizontals and verticals.

TECHNICAL FEATURES

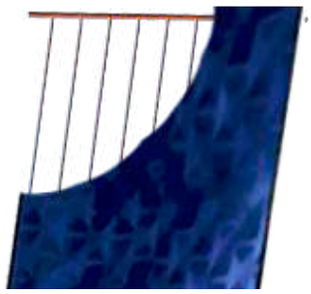
	Verticals			Horizontals	
Models	S17	S21	S26	S21H	S26H
Length (mm)	2.039	2.039	2.039	1.039	2.039
Width (mm)	839	1.039	1.239	2.039	1.239
Thickness (mm)	49	49	49	49	49
Gross area (m^2)	1,71	2,15	2,55	2,15	2,55
Aperture area (m^2)	1,67	2,03	2,44	2,03	2,44
Empty weight (kg)	23	23	33	29	34
Capacity (L)	0,9	1,1	1,4	1,5	1,7
Peak power (Wp)	1179	1504	1787	1504	1787
Frame	Aluminium				
Cover material	Tempered solar glass 3,2 mm				
Insulation	15 mm glass wool high density				
Reference	311AS17V	311AS21V	311AS26V	311AS21H	311AS26H
RP					







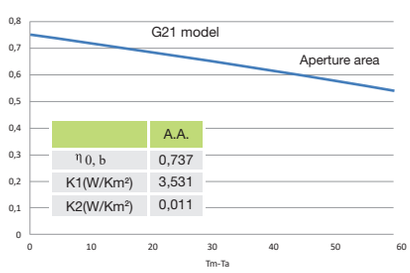
GOLD
Family

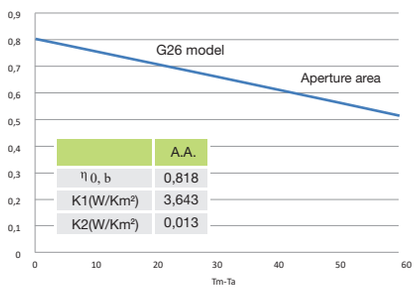


- Harp-type absorber.
- 40 mm insulation.
- Aluminium case casing.

TECHNICAL FEATURES

	Verticals		Horizontals	
Models	G21	G26	G21H	G26H
Length (mm)	2.039	2.039	1.039	1.239
Width (mm)	1.039	1.239	2.039	2.039
Thickness (mm)	81	81	81	81
Gross area (m^2)	2,15	2,54	2,15	2,54
Aperture area (m^2)	2,02	2,44	2,02	2,44
Empty weight (kg)	30	35	30	36
Capacity (L)	1,15	1,38	1,52	1,66
Peak power (Wp)	1463	1808	1463	1808
Frame	Aluminium			
Cover material	Tempered solar glass 3,2 mm			
Insulation	40mm glass wool high density			
Reference	311AG21V	311AG26V	311AG21H	311AG26H
RP				



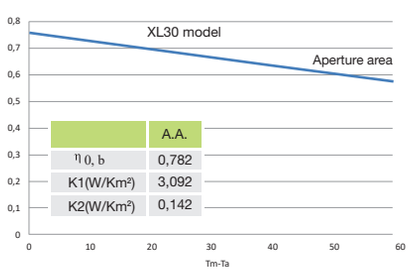


MAGNUM
Family

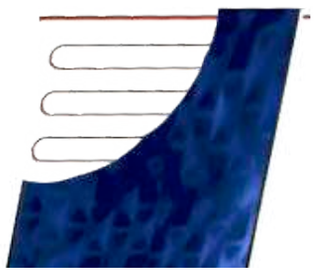
- Harp-type absorber.
- 60 mm insulation.
- Aluminium case casing.

TECHNICAL FEATURES

	Verticals	Horizontals
Models	XL30	XL30H
Length (mm)	2.300	1.239
Width (mm)	1.239	2.300
Thickness (mm)	101	101
Gross area (m^2)	2,85	2,85
Aperture area (m^2)	2,82	2,82
Empty weight (kg)	40,1	40,5
Capacity (L)	1,6	1,9
Peak power (Wp)	2.120	2.120
Frame	Aluminium	
Cover material	Tempered solar glass 3,2 mm	
Insulation	60 mm glass wool high density	
Reference	311AM30XL	311AM30XLH
RP		



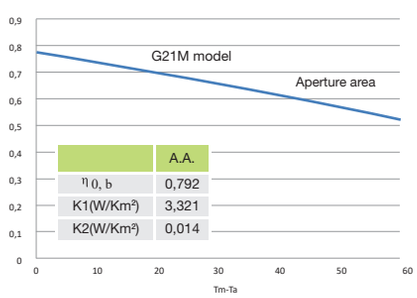
GOLD MEANDER
Family

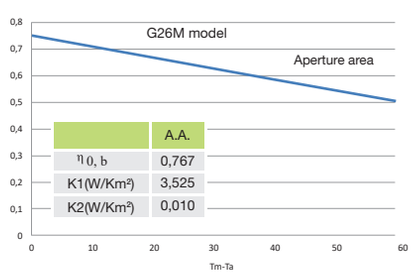


- Meander type absorber.
- 40 mm insulation.
- Aluminium case casing.
- A perfect fit for low flow kits and Drainbacks.

TECHNICAL FEATURES

Models	G21M	G26M
Length (mm)	2.039	1.239
Width (mm)	1.039	2.039
Thickness (mm)	81	81
Gross area (m^2)	2,15	2,56
Aperture area (m^2)	2,02	2,44
Empty weight (kg)	30	36
Capacity (L)	1,34	1,58
Peak power (Wp)	1.560	1.828
Frame	Aluminium	
Cover material	Tempered solar glass 3,2 mm	
Insulation	40 mm glass wool high density	
Reference	311AG21VM	311AG26VM
RP		





CONNECTION
Fittings

CONNECTION FITTINGS

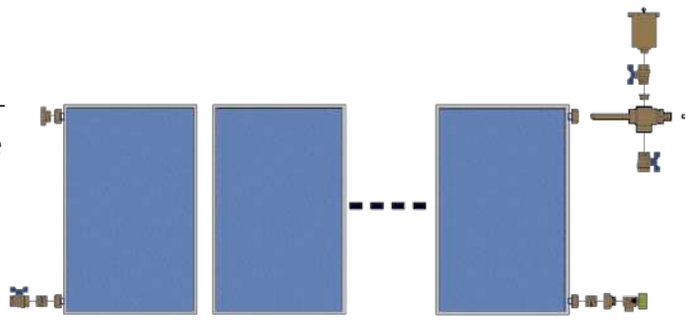
- Connection fittings for collectors

Number of fittings per array						
Number of Collectors	2	3	4	5	6	n
Required Fittings	2	4	6	8	10	2n-2

Model	Description	Reference	RP
Connector	Connection fittings for collectors	709TC1818	

COLLECTOR ARRAY CONNECTION (BATCAPT)

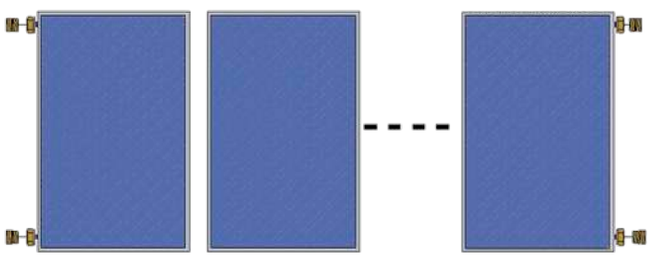
- Connection components required for the installation of collector array.
- Contains the purge, safety and closure systems necessary for proper assembly of the installation.



Model	Description	Reference	RP
Batcapt	Collector array connection	215BATCAP0	
Batcapt	3/4" collector array connection	215BATCAP034	

ADAPTATION FITTINGS (RACORBAT)

- Fittings for adaptation to the hydraulic circuit.



Model	Description	Reference	RP
Racorbat	Adaptation fittings	215RACBAT0	

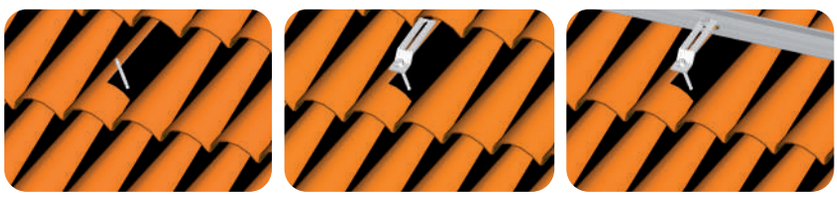
FIXING ACCESSORIES

PERFORATED BAND

- Galvanized steel.
- Simple installation.
- Prevents slides.
- Adaptable to all roof tiles types.

ADJUSTABLE ANCHORAGE

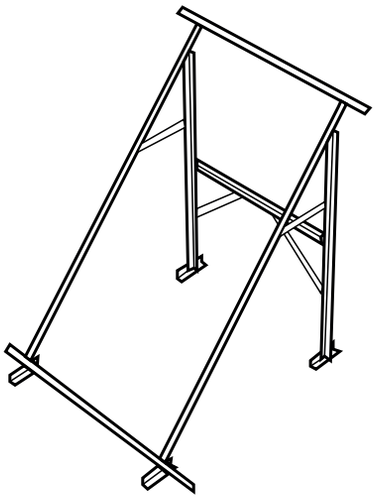
- Galvanized steel.
- Versatile fixtures.
- Adaptable to all roof tiles types.



ROOF HOOK

- Galvanized steel.
- Versatile fixtures.
- Robust.
- No roof tile drilling.

STRUCTURES
SUPPORT



Termicol offers competitive ranges of structures for collectors located on both flat and sloping roofs, and can also adjust the graduation on thermosyphon equipment.

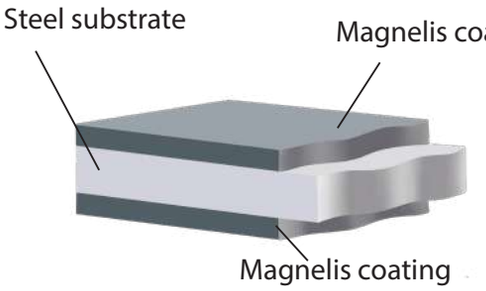
The composition of the structures can be galvanized steel or aluminum. Both models are easy to assemble, resistant to corrosion and in a variety that allows to fit up to 6 collector batteries.

INDEX STRUCTURES

GALVANIZED STEEL

FLAT ROOF

- Hot- dip galvanized steel and magnelis coating forexcellent corrosion resistance and total protection.
- Durable and economical
- Identified bars for a rapid easy installation.



Steel L profiles

FAMILIES SILVER, GOLD AND GOLD MEANDER

Position	Collector	Units	Reference	RP
VERTICAL	S21 G21 G21M	1	451V11	
		2	451V12	
		3	451V13	
		4	451V14	
		5	451V15	
		6	451V16	
	S26 G26 G26M	1	451V21	
		2	451V22	
		3	451V23	
		4	451V24	
		5	451V25	
		6	451V26	
HORIZONTAL	S21H G21H	1	451H11	
		2	451H12	
		3	451H13	
	S26H G26H	1	451H21	
		2	451H22	
		3	451H23	

CE

GALVANIZED STEEL

MAGNUM FAMILY

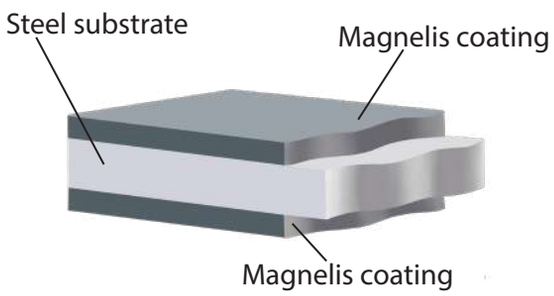
Position	Collector	Units	Reference	RP
VERTICAL	MXL30	1	451V31	
		2	451V32	
		3	451V33	
		4	451V34	
		5	451V35	
		6	451V36	
HORIZONTAL	MXL30H	1	451H31	
		2	451H32	
		3	451H33	

CE

GALVANIZED STEEL

SLOPED ROOF

- Hot- dip galvanized steel and magnelis coating for excellent corrosion resistance and total protection.
- Durable and economical.
- Clamping profiles with different roof grip options.



FAMILIES SILVER, GOLD ANDGOLD MEANDRO

Position	Collector	Units	Reference	RP
VERTICAL	S21 G21 G21M	1	452V11	
		2	452V12	
		3	452V13	
		4	452V14	
		5	452V15	
		6	452V16	
	S26 G26 G26M	1	452V21	
		2	452V22	
		3	452V23	
		4	452V24	
		5	452V25	
		6	452V26	
HORIZONTAL	S21H G21H	1	452H11	
		2	452H12	
		3	452H13	
	S26H G26H	1	452H21	
		2	452H22	
		3	452H23	

GALVANIZED STEEL

FAMILY MAGNUM

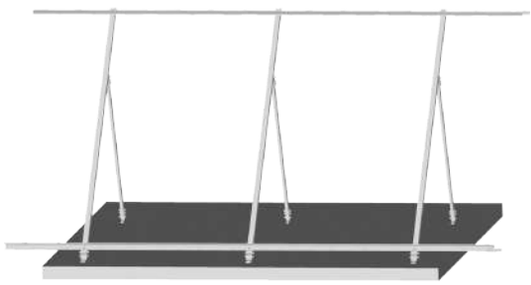
Position	Collector	Units	Reference	RP
VERTICAL	MXL30	1	452V31	
		2	452V32	
		3	452V33	
		4	452V34	
		5	452V35	
		6	452V36	
HORIZONTAL	MXL30H	1	452H31	
		2	452H32	
		3	452H33	

CE

ALUMINIUM

FLAT ROOF

- Extruded aluminium highly resistant to corrosion.
- Suitable for areas with marine environments.
- Preassembled clamping profiles adaptable to different angles.
- Strong and light weight.
- Easy installation.



Join profiles

Front support

Union between modular batteries

FAMILIES SILVER, GOLD AND GOLD MEANDRO

Position	Collector	Units	Reference	RP
VERTICAL	S21 G21 G21M	1	461V11	
		2	461V12	
		3	461V13	
		4	461V14	
		5	461V15	
		6	461V16	
	S26 G26 G26M	1	461V21	
		2	461V22	
		3	461V23	
		4	461V24	
		5	461V25	
		6	461V26	
HORIZONTAL	S21H G21H	1	461H11	
		2	461H12	
		3	461H13	
	S26H G26H	1	461H21	
		2	461H22	
		3	461H23	

CE

ALUMINIUM

FAMILY MAGNUM

Position	Collector	Units	Reference	RP
VERTICAL	MXL30	1	461V31	
		2	461V32	
		3	461V33	
		4	461V34	
		5	461V35	
		6	461V36	
HORIZONTAL	MXL30H	1	461H31	
		2	461H32	
		3	461H33	

CE

ALUMINIUM

SLOPED ROOF

- Preassembled clamping profiles adaptable to different angles.
- Extruded aluminium highly resistant to corrosion.
- Suitable for areas with marine environments.
- Strong and light weight.
- Easy installation.

FAMILIES SILVER, GOLD AND GOLD MEANDER

			Without Anchor		Adjustable Anchor		Roof Hook	
Position	Collector	Units	Reference	RP	Reference	RP	Reference	RP
VERTICAL	S21 G21 G21M	1	462NV11		462OV11		462SV11	
		2	462NV12		462OV12		462SV12	
		3	462NV13		462OV13		462SV13	
		4	462NV14		462OV14		462SV14	
		5	462NV15		462OV15		462SV15	
		6	462NV16		462OV16		462SV16	
	S26 G26 G26M	1	462NV21		462OV21		462SV21	
		2	462NV22		462OV22		462SV22	
		3	462NV23		462OV23		462SV23	
		4	462NV24		462OV24		462SV24	
		5	462NV25		462OV25		462SV25	
		6	462NV26		462OV26		462SV26	
HORIZONTAL	S21H G21H	1	462NH11		462OH11		462SH11	
		2	462NH12		462OH12		462SH12	
		3	462NH13		462OH13		462SH13	
	S26H G26H	1	462NH21		462OH21		462SH21	
		2	462NH22		462OH22		462SH22	
		3	462NH23		462OH23		462SH23	

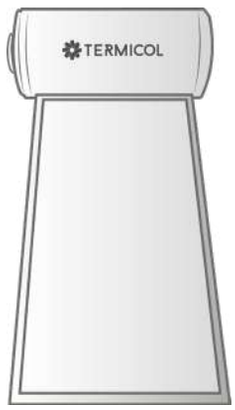
ALUMINIUM

FAMILY MAGNUM

			Without Anchor		Adjustable Anchor		Roof Hook	
Position	Collector	Units	Reference	RP	Reference	RP	Reference	RP
VERTICAL	MXL30	1	462NV31		462OV31		462SV31	
		2	462NV32		462OV32		462SV32	
		3	462NV33		462OV33		462SV33	
		4	462NV34		462OV34		462SV34	
		5	462NV35		462OV35		462SV35	
		6	462NV36		462OV36		462SV36	
HORIZONTAL	MXL30H	1	462NH31		462OH31		462SH31	
		2	462NH32		462OH32		462SH32	
		3	462NH33		462OH33		462SH33	

CE

THERMOSYPHON
SYSTEMS



Their simplicity makes them the protagonist for heating water with a solar system.

3 families of thermosyphons are offered, each one with its respective range of collectors.

These can be presented with the tank high or low for aesthetic reasons, in addition to vertical or horizontal options.

The structures allow the graduation to be changed according to the direction of the sun, they are resistant to corrosion and have 50 mm double casing accumulators. of isolation.

INDEX THERMOYPHON

FAMILY
SILVER A

DISPATCH 24/48 HOURS

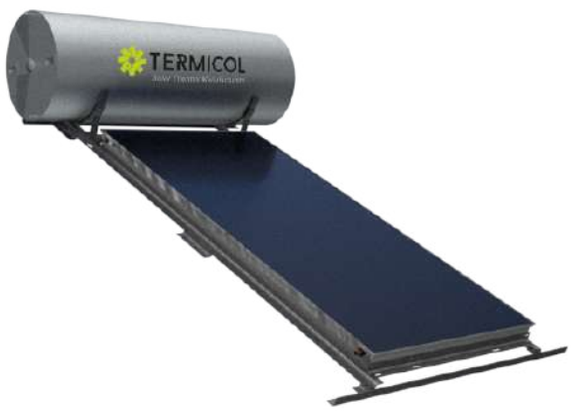
WARRANTY 5 YEARS

CHARACTERISTICS

- Silver collectors.
- High tank.
- Suitable for areas of high radiation.
- Optimum performance-price ratio.
- 5 Years warranty.

COMPONENTS

- 1or 2 collectors.
- 1Storage tanks.
- 1High tank support.
- 1 Accessories set.
- 1 Set of connection branches.



150 liters unit (1/2 users)					
Model	Collector	Net Area	Gross Area	Reference	RP
S150A	S21 x1	2,03	2,14	511A1501S21	
S150ACI	S21 x 1	2,03	2,14	511A1501S21CI	

200 liters units (3/4 users)					
Model	Collector	Net Area	Gross Area	Reference	RP
S200AX	S21 x1	2,03	2,14	511A2001S21	
S200A	S26 x1	2,44	2,55	511A2001S26	
S200AM	S17 x2	3,34	3,42	511A2002S17	
S200AXCI*	S21 x1	2,03	2,14	511A2001S21CI	
S200ACI*	S26 x1	2,44	2,55	511A2001S26CI	
S200AMCI*	S17 x2	3,34	3,42	511A2002S17CI	

300 liters unit (5/6 users)					
Model	Collector	Net Area	Gross Area	Reference	RP
S300AX	S17 x2	3,34	3,42	511A3002S17	
S300A	S21 x2	4,06	4,28	511A3002S21	
S300AXCI*	S17 x2	3,34	3,42	511A3002S17CI	
S300ACI*	S21 x2	4,06	4,28	511A3002S21CI	

CENER ADItech CENTRO NACIONAL DE ENERGÍAS RENOVABLES

FAMILY
SILVER B

DISPATCH 24/48 HOURS

WARRANTY 5 YEARS

CHARACTERISTICS

- Low tank: Better apparance, partially below the panel
- Silver collectors.
- Suitable for areas of high radiation.
- Optimum performance-price ratio.
- 5 Years warranty.

COMPONENTS

- 1 or 2 Collectors.
- 1 Storage tank.
- 1 Support low tank.
- 1 Accessories set .
- 1 Set of connection branches.

150 liters unit (1/2 users)					
Model	Collector	Net Area	Gross Area	Reference	RP
S150BX	S17 x1	1,67	1,71	511B1501S17	
S150B	S21 x1	2,03	2,14	511B1501S21	

200 liters units (3/4 users)					
S200BX	S21 x1	2,03	2,14	511B2001S21	
S200B	S26 x1	2,44	2,55	511B2001S26	
S200BM	S17 x2	3,34	3,42	511B2001S26H	

Position	Model	Collector	Net Area	Gross Area	Reference	RP
Horizontal	S200BH	S26H x1	2,55	2,44	511B2001S26H	

300 liters unit (5/6 users)					
Model	Collector	Net Area	Gross Area	Reference	RP
S300BX	S17 x2	3,34	3,42	511B3002S17	
S300B	S21 x2	4,06	4,28	511B3002S21	

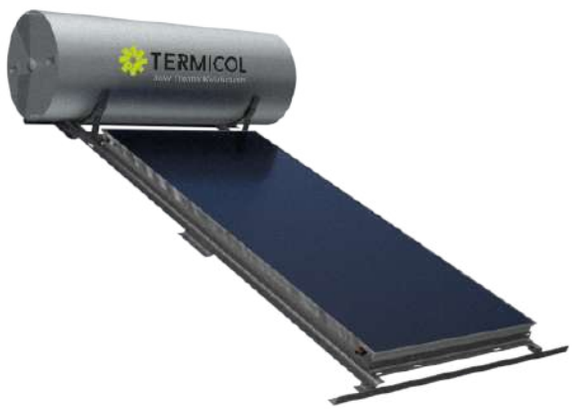
FAMILY
GOLD A

CHARACTERISTICS

- Gold Collectors.
- High tanks.
- 5 years warranty.

COMPONENTS

- 1 or 2 Collectors.
- 1 Storage tank.
- 1 High tank support.
- 1 Accessories set.
- 1 Set of connection branches.



150 liters unit (1/2 users)					
Model	Collector	Net Area	Gross Area	Reference	RP
G150A	G21 x1	2,02	2,15	511A1501G21	
G150ACI*	G21 x1	2,02	2,15	511A1501G21CI	

200 liters unit (3/4 users)					
Model	Collector	Net Area	Gross Area	Reference	RP
G200AX	G21 x1	2,02	2,15	511A2001G21	
G200A	G26 x1	2,44	2,54	511A2001G26	
G200AXCI*	G21 x1	2,02	2,15	511A2001G21CI	
G200ACI*	G26 x1	2,44	2,54	511A2001G26CI	

300 liters unit (5/6 users)					
Model	Collector	Net Area	Gross Area	Reference	RP
G300A	G21 x2	4,04	4,30	511A3002G21	
G300ACI*	G21 x2	4,04	4,30	511A3002G21CI	

FAMILY
GOLD B

DISPATCH 24/48 HOURS

WARRANTY 5 YEARS

CHARACTERISTICS

- Low tank: Better apperance by hiding the tank.
- Gold collectors.
- 5 Years warranty.

COMPONENTS

- 1 or 2 Collectors.
- 1 Storage tank.
- 1 Support low tank.
- 1 Accessories set.
- 1 Set of connection branches.

150 liters unit (1/2 users)					
Model	Collector	Net Area	Gross Area	Reference	RP
G150B	G21 x1	2,02	2,15	511B1501G21	

200 liters units (3/4 users)						
Position	Model	Collector	Net Area	Gross Area	Reference	RP
	G200BX	G21 x1	2,02	2,15	511B2001G21	
	G200B	G26 x1	2,44	2,54	511B2001G26	

Position	Model	Collector	Net Area	Gross Area	Reference	RP
Horizontal Horizontal	G200BH	G26H x1	2,44	2,54	511B2001G26H	

300 liters unit (5/6 users)					
Model	Collector	Net Area	Gross Area	Reference	RP
G300B	G21 x2	4,04	4,30	511B3002G21	

CENER | CENTRO NACIONAL DE ENERGÍAS RENOVABLES

ADItech

CE

ACCESSORIES
TERMOSYPHON

DOUBLE-JACKET ENAMELED HORIZONTAL STORAGE TANKS

Model	Capacity (liters)	Exterior protection	Reference	RP
ATK150I	150	Galvanized and lacquered steel	601K0150	
ATK200I	200		601K0200	
ATK300I	300		601K0300	

THERMOSTATIC MIXING VALVE

According to	UNI EN 1111
Temperature range	30-55°C
Max. operating pressure	1 bar
Max. inlet temperature	100°C
Flow at 3 bar	38 l/min
Minimum flow	10 l/min

Description	Reference	RP
Body 3/4" with non-return fittings 3/4"	708TMZ034CT	

OTHER ACCESSORIES

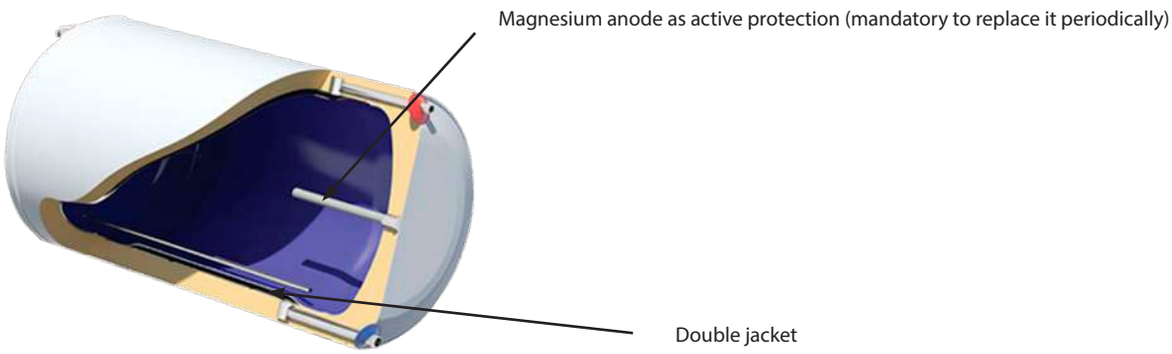
Description	Reference	RP
DN15 energy meter	703COWME	
Controller 1 probe	703C6CTC01	
Single-phase 2 kW electrical kit	711KT2000M	
Single-phase 3 kW electrical kit	711KT3000M	
Magnesium anode 1 1/4"" D33-310mm	714KAM114L31	
2 L Antifreeze concentrate	707CGF0002	
5 L Antifreeze concentrate	707CGF0005	
10 L Antifreeze concentrate	707CGF0010	



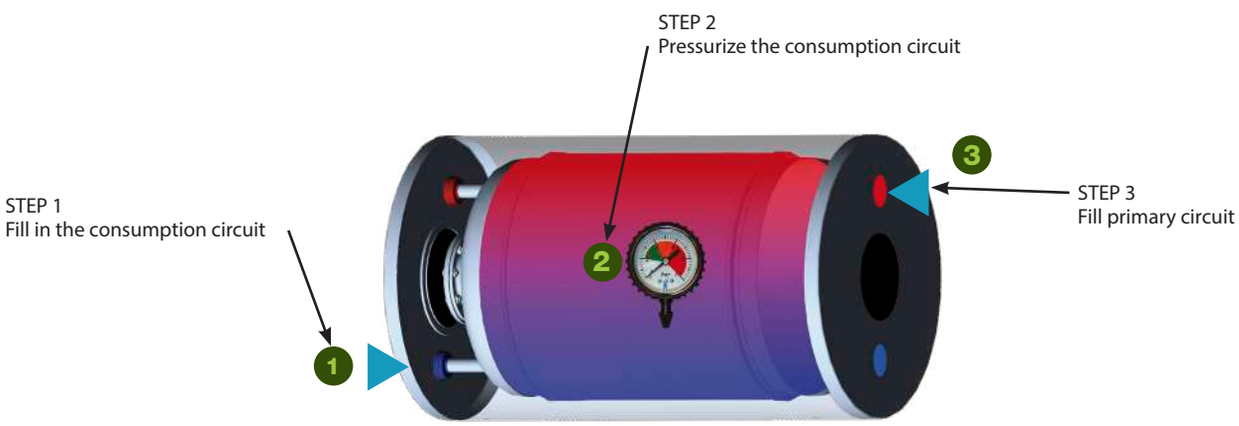



MAINTENANCE

INTERNAL PROTECTION



START UP



MAINTENANCE

Periodic checks and planned maintenance must be performed on the installed equipment to ensure service life		
Glasses	Every 6 months	Visual inspection condensation and dirt
Joints	Every 6 months	Visual inspection cracks, deformation
Fittings	Every 6 months	Visual inspection leaks appearance
Structure	Every 6 months	Visual inspection degradation, signs of corrosion and tightening of screws
Tank	Every 6 months	Visual inspection presence of sludge inside
Anode	Every 6 months	Visual inspection wearing check

FORCED
SYSTEMS

Forced systems provide the advantage of protecting the battery against inclement weather, which will extend its useful life up to three times.

The workers are two systems: the forced one and the drainback system, which offers the possibility of draining that avoids the installation and maintenance of steam traps and the expansion tank, essential in a conventional solar installation.

INDEX FORCED SYSTEMS

SYSTEMS
DRAINBACK

CHARACTERISTICS

- Large surface coil or double coil.
- Floor or wall mounting.
- With all its components ready to install.
- From 120 to 500 liters.

COMPONENTS

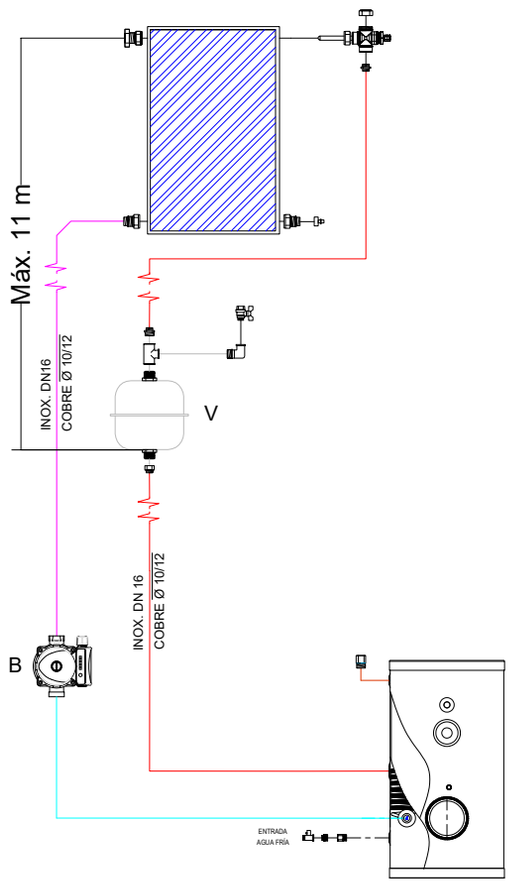
- TERMICOL solar collectors.
- Support frame in Magnelis steel.
- Storage tank in enamelled steel.
- Middle vessel.
- Valves and connection accessories.
- Pumping and regulation system.
- Antifreeze fluid.
- Magnesium anode.

HYDRAULIC CIRCUIT CHARACTERISTICS

Height from the bottom of the middle vessel to the top of the collector (m): 11 max.

Maximum total pipe travel from the middle vessel (m): 25.

Limited pipe diameter: 12 to 15 mm.



ENAMELLED STEEL SYSTEMS
DRAINBACK

SINGLE COIL FLOOR MOUNTED SYSTEM

Liters	Collector	Ref. Flat Roof	Ref. Tiled Roof	RP
150	S21	582DK1511S21VGP	582DK1511S21VGI	
150	S21H	582DK1511S21HGP	582DK1511S21HGI	
150	G21	582DK1511G21VGP	582DK1511G21VGI	
150	G21H	582DK1511G21HGP	582DK1511G21HGI	
150	G21M	582DK1511G21MVGP	582DK1511G21MVGI	
200	S21	582DK2011S21VGP	582DK2011S21VGI	
200	S26	582DK2011S26VGP	582DK2011S26VGI	
200	S26H	582DK2011S26HGP	582DK2011S26HGI	
200	G21	582DK2011G21VGP	582DK2011G21VGI	
200	G26	582DK2011G26VGP	582DK2011G26VGI	
200	G21M	582DK2011G21MVGP	582DK2011G21MVGI	
200	G26M	582DK2011G26MVGP	582DK2011G26MVGI	
200	2*S17	582DK2012S17VGP	582DK2012S17VGI	
300	2*S17	582DK3012S17VGP	582DK3012S17VGI	
300	2*S21	582DK3012S21VGP	582DK3012S21VGI	
300	2*G21	582DK3012G21VGP	582DK3012G21VGI	
300	2*G21M	582DK3012G21MVGP	582DK3012G21MVGI	
500	3*S21	582DK5013S21VGP	582DK5013S21VGI	
500	3*G21	582DK5013G21VGP	582DK5013G21VGI	
500	4*S21	582DK5014S21VGP	582DK5014S21VGI	
500	4*G21	582DK5014G21VGP	582DK5014G21VGI	

SINGLE COIL WALL MOUNTED SYSTEM

Liters	Collector	Ref. Flat Roof	Ref. Tiled Roof	RP
120	S21	582DM1211S21VGP	582DM1211S21VGI	
150	S21	582DM1511S21VGP	582DM1511S21VGI	
200	S21	582DM2011S21VGP	582DM2011S21VGI	
200	S26	582DM2011S26VGP	582DM2011S26VGI	

ENAMELLED STEEL SYSTEMS
DRAINBACK

DOUBLE COIL SYSTEM

Liters	Collector	Ref. Flat Roof	Ref. Tiled Roof	RP
200	S21	582DK2021S21VGP	582DK2021S21VGI	
200	S26	582DK2021S26VGP	582DK2021S26VGI	
200	S26H	582DK2021S26HGP	582DK2021S26HGI	
200	G21	582DK2021G21VGP	582DK2021G21VGI	
200	G26	582DK2021G26VGP	582DK2021G26VGI	
200	G21M	582DK2021G21MVGP	582DK2021G21MVGI	
200	G26M	582DK2021G26MVGP	582DK2021G26MVGI	
200	2*S17	582DK2022S17VGP	582DK2022S17VGI	
300	2*S17	582DK3022S17VGP	582DK3022S17VGI	
300	2*S21	582DK3022S21VGP	582DK3022S21VGI	
300	2*G21	582DK3022G21VGP	582DK3022G21VGI	
300	2*G21M	582DK3022G21MVGP	582DK3022G21MVGI	
500	3*S21	582DK5023S21VGP	582DK5023S21VGI	
500	3*G21	582DK5023G21VGP	582DK5023G21VGI	
500	4*S21	582DK5024S21VGP	582DK5024S21VGI	
500	4*G21	582DK5024G21VGP	582DK5024G21VGI	

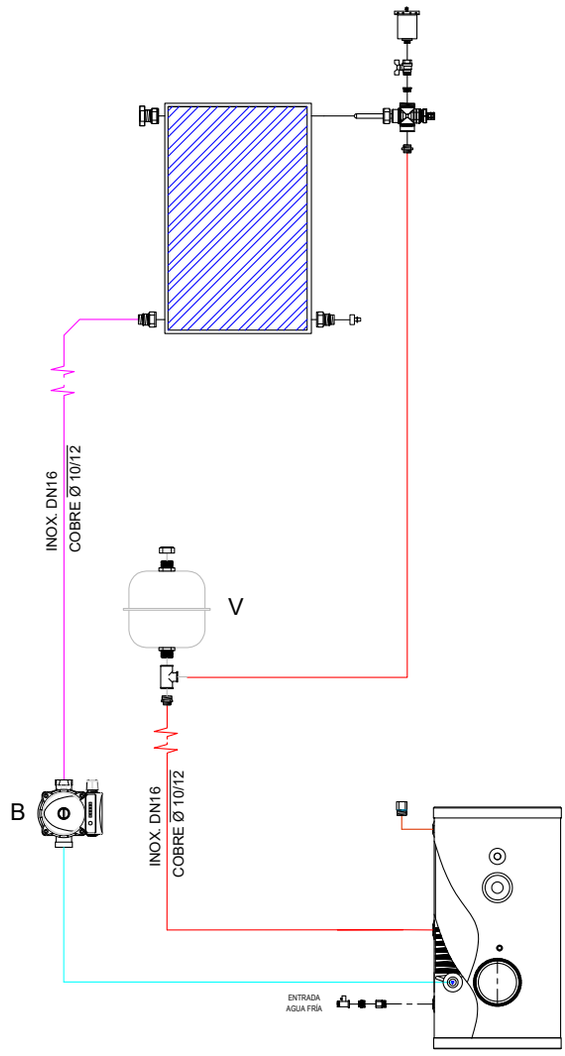
SYSTEMS
FORCED

CHARACTERISTICS

- Large surface coil or double coil
- Floor or wall mounting
- With all its components ready to install
- From 100 to 500 liters

COMPONENTS

- TERMICOL solar collectors.
- Support frame in Magnelis steel.
- Storage tank in enamelled steel.
- Membrane expansion vessel.
- Valves and connection accessories.
- Pumping and regulation system.
- Antifreeze fluid.
- Magnesium anode.



ENAMELLED STEEL SYSTEMS
FORCED

SINGLE COIL FLOOR MOUNTED SYSTEM

Liters	Collector	Ref. Flat Roof	Ref. Tiled Roof	RP
150	S21	582FK1511S21VGP	582FK1511S21VGI	
150	S21H	582FK1511S21HGP	582FK1511S21HGI	
150	G21	582FK1511G21VGP	582FK1511G21VGI	
150	G21H	582FK1511G21HGP	582FK1511G21HGI	
150	G21M	582FK1511G21MVGP	582FK1511G21MVGI	
200	S21	582FK2011S21VGP	582FK2011S21VGI	
200	S26	582FK2011S26VGP	582FK2011S26VGI	
200	S26H	582FK2011S26HGP	582FK2011S26HGI	
200	G21	582FK2011G21VGP	582FK2011G21VGI	
200	G26	582FK2011G26VGP	582FK2011G26VGI	
200	G21M	582FK2011G21MVGP	582FK2011G21MVGI	
200	G26M	582FK2011G26MVGP	582FK2011G26MVGI	
200	2*S17	582FK2012S17VGP	582FK2012S17VGI	
300	2*S17	582FK3012S17VGP	582FK3012S17VGI	
300	2*S21	582FK3012S21VGP	582FK3012S21VGI	
300	2*G21	582FK3012G21VGP	582FK3012G21VGI	
300	2*G21M	582FK3012G21MVGP	582FK3012G21MVGI	
500	3*S21	582FK5013S21VGP	582FK5013S21VGI	
500	3*G21	582FK5013G21VGP	582FK5013G21VGI	
500	4*S21	582FK5014S21VGP	582FK5014S21VGI	
500	4*G21	582FK5014G21VGP	582FK5014G21VGI	

SINGLE COIL WALL MOUNTED SYSTEM

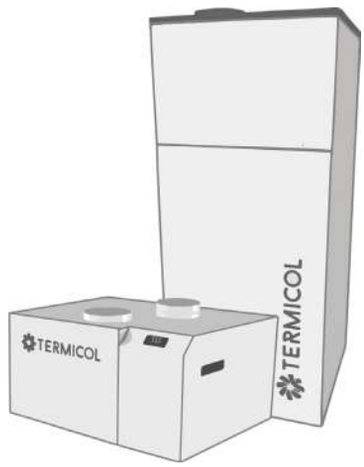
Liters	Collector	Ref. Flat Roof	Ref. Tiled Roof	RP
120	S21	582FM1211S21VGP	582FM1211S21VGI	
150	S21	582FM1511S21VGP	582FM1511S21VGI	
200	S21	582FM2011S21VGP	582FM2011S21VGI	
200	S26	582FM2011S26VGP	582FM2011S26VGI	

ENAMELLED STEEL SYSTEMS
FORCED

DOUBLE COIL SYSTEM

Liters	Collector	Ref. Flat Roof	Ref. Tiled Roof	RP
200	S21	582FK2021S21VGP	582FK2021S21VGI	
200	S26	582FK2021S26VGP	582FK2021S26VGI	
200	S26H	582FK2021S26HGP	582FK2021S26HGI	
200	G21	582FK2021G21VGP	582FK2021G21VGI	
200	G26	582FK2021G26VGP	582FK2021G26VGI	
200	G21M	582FK2021G21MVGP	582FK2021G21MVGI	
200	G26M	582FK2021G26MVGP	582FK2021G26MVGI	
200	2*S17	582FK2022S17VGP	582FK2022S17VGI	
300	2*S17	582FK3022S17VGP	582FK3022S17VGI	
300	2*S21	582FK3022S21VGP	582FK3022S21VGI	
300	2*G21	582FK3022G21VGP	582FK3022G21VGI	
300	2*G21M	582FK3022G21MVGP	582FK3022G21MVGI	
500	3*S21	582FK5023S21VGP	582FK5023S21VGI	
500	3*G21	582FK5023G21VGP	582FK5023G21VGI	
500	4*S21	582FK5024S21VGP	582FK5024S21VGI	
500	4*G21	582FK5024G21VGP	582FK5024G21VGI	

HEAT PUMP



The new range of aerothermal equipment is presented as a new efficient and renewable system for DHW production based on heat pump technology, capturing thermal energy from the environment. In addition, its advanced controller incorporates multiple functions that allow it to adapt to the consumption habits of each user to maximize savings.

INDEX HEAT PUMP

AEROTHERMAL ENERGY FOR DHW
HEAT PUMP MURAL
100, 130L

- Specially designed for small DHW demands.
- Compact design to save space in the house.
- Easy installation and access: very similar to the electric water heater.
- Recirculation connection as standard.
- Tank in 2205 or 444 duplex stainless steel.
- Smart controller with 3 modes of operation.
- Anti-legionella disinfection.
- Efficient fan with low acoustic impact.
- Savings: up to 75% compared to systems conventional for the production of DHW.
- Connection with photovoltaic installations.
- It allows to dehumidify and cool spaces.
- 5-year guarantee for the tank and 2 years for the rest of the components.

STAINLESS-STEEL TANK 444

Model	Reference	Instalation	Energy class	Sound level (dB) **	RP
THP100M444	650HP100M444	Mural	A+	36	
THP130M444	650HP130M444				

* Sound level measured according to EN 12102 and EN ISO 9614 at 5m distance and directivity 2.

DUPLEX STAINLESS-STEEL TANK 2205

Model	Reference	Instalation	Energy class	Sound level (dB) *	RP
THP100	650HP100	Mural	A+	36	
THP130	650HP130				

* Sound level measured according to EN 12102 and EN ISO 9614 at 5m distance and directivity 2.

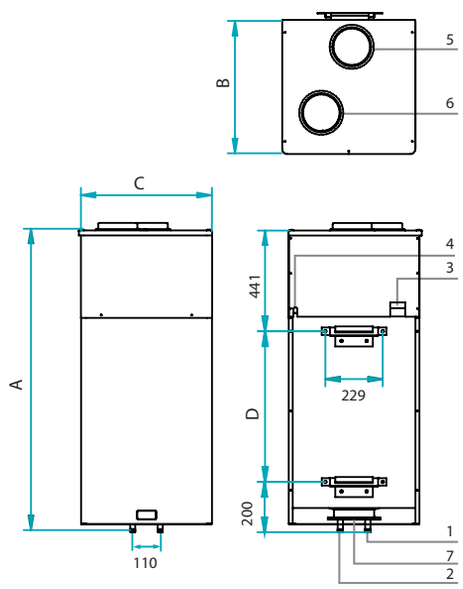
AEROTHERMAL ENERGY FOR DHW
HEAT PUMP MURAL
100, 130L

DIMENSIONS AND SCHEME

Reference	Description
1	Hot water inlet
2	Cold water inlet 1/2
3	Electrical connection
4	Condensate output
5	Air inlet D160mm
6	Air outlet D160mm
7	Electrical resistance

Measurement	THP100	THP130
A	1075	1200
B	527	527
C	522	522
D	475	600

THP Scheme



TECHNICAL FEATURES

Technical data	Units	THP100	THP130
Nominal capacity	L	100	130
Maximum operating preassure	bar	70	70
SCOP at 7ºC	-	2,5	2,5
SCOP at 14ºC	-	3,29	3,24
Recovery time (14ºC/W10-55)	h	5,68	6,62
Thermal power range	W	700-1200	700-1200
Power consumption range	W	180-300	180-300
Maximum water temperature HP	ºC	55	55
Ambient Temperatura range	ºC	-5 / 45	-5 / 45
Power of the resistance	W	1.500	1.500
Maximum consumption with resistance	W	1.800	1.800
Maximum temperature with resistance	ºC	70	70
Flow	m3/h	200	200
Connection diameter	mm	160	160
Power supply	V/ph/Hz	230 / 1 / 50	230 / 1 / 50
Input/output ACS	inch	1/2	1/2

SCOP according to standard UNE-EN16147.

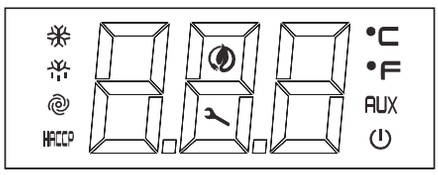
AEROTHERMAL ENERGY FOR DHW
HEAT PUMP MURAL
100, 130L

CIRCUITS AND CONNECTIONS

Refrigeration system	Description
Compressor	Rotative
Refrigerant	R134a
Evaporator	Copper tube and alumium fins
Condenser	Aluminium 3000 Series

Connections	Size
Water inlet/outlet (in)	1/2
Air inlet/outlet (mm)	160
Condensate output (in)	1/2

ADVANCED CONTROLER



- Touch controller.
- Prepared for connection with facilities photovoltaic.
- Automatic anti-legionella disinfection.
- Automatic defrost when the evaporator is frozen.
- Alarms:
  Low pressure, high pressure.
  High operating temperature.
  Temperature probe.
  Battery fault.
- It incorporates 3 operating modes:
  Eco: heat pump only operating mode.
  Auto: combination of heat pump and electric resistance when low a lot the temperature.
  Boost: heat pump and electric resistance for faster heating.

WI-FI CONTROLLER FOR REMOTE CONTROL

- Individual installations: the user can access or control the equipment remotely.
- Multiple installations: the installer can monitor and control all installations from a single control panel.

Model	Reference	RP
Wi-Fi controller	656WIFI	

AEROTHERMAL ENERGY FOR DHW
HEAT PUMP 200, 260L

- Maximum energy efficiency.
- It guarantees minimal heat losses thanks to its insulation.
- Easy installation and access: very similar to thermoelectric.
- Up to 65ºC maximum temperature only with heat pump.
- Anti-legionella disinfection.
- Efficient fan with low acoustic impact.
- Savings: up to 75% compared to conventional systems for DHW production.
- Connection and integration with other renewable energy sources such as photovoltaic or solar thermal systems.
- Self-diagnosis system.
- 5-year guarantee for the tank and 2 years for the rest of the components.

Model	Reference	Instalation	Energy class	Sound level (dB) *	RP
THPT200	650HPT200	Floor	A+	31	
THPT260	650HPT260				
THPT200S*	650HPT200S				
THPT260S*	650HPT260S				

* Sound level measured according to EN 12102 and EN ISO 9614 at 5m distance and directivity 2.

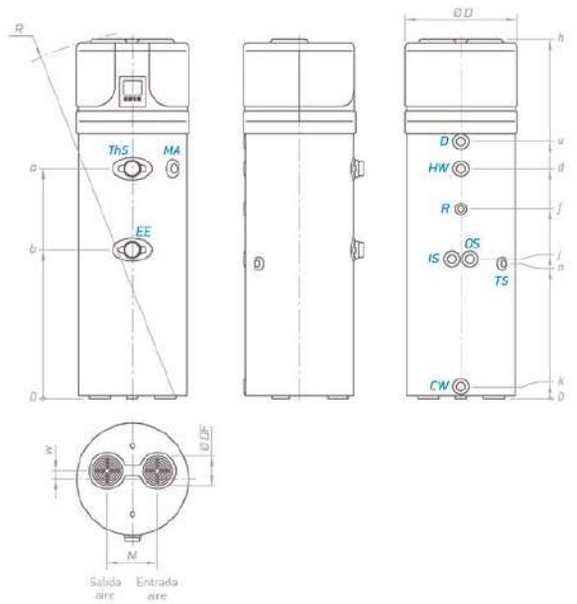
AEROTHERMAL ENERGY FOR DHW
HEAT PUMP 200, 260L

DIMENSIONS AND SCHEME

Reference	Description	Conexions
CW	Cold water inlet	1"
HW	Hot water outlet	1"
IS	Serpentine input *	1"
OS	Serpentine output *	1"
R	Recirculation	3/4"
TS	Thermostat connection	1/2"
EE	Opening for electrical resistance	1/2"
CD	Condensate drainage	3/4"

Measurement	THPT200*	THPT200	THPT260*	THPT260
h	1720	1720	2010	2010
a	994	994	1285	1285
b	724	724	834	834
c	995	995	1285	1285
f	803	803	1064	1064
i	681	-	781	-
k	60	60	60	60
n	681	681	766	766
u	1153	1153	1440	1440
w	58	58	58	58
M	260	260	260	260
ØDF	160	160	160	160
R	1785	1785	2055	2055
ØD	630	630	630	630

THP Scheme



TECHNICAL FEATURES

Technical data	Units	THPT200*	THPT200*	THPT260*	THPT260
Rated capacity	L	194	202	251	260
Maximun working pressure	bar	8	8	8	8
SCOP at 7ºC *	-	2,8	2,8	3	3
SCOP at 14ºC **	-	3,1	3,1	3,4	3,4
Nominal power at 7ºC	W	1.100		1.200	
Heat pump consumption	W	430		460	
Max. heat pump current	A	9.6		9.6	
Maximum consumption with stand	W	2.163			
Maximum water temperature with BC	ºC	65			
Maximum water temperature with resistance	ºC	75			
Power supply (frequency)	V (Hz)	1 / N / 230 (50)			
Electric resistance power	W	1.500			
Insulation type	-	PU			
Average insulation thickness	cm	5			
Maximun working pressure	bar	8			
Equipment airflow range	m3/h	314			

* SCOP cold climate zone according to standard UNE-EN16147.
** SCOP hot climate zone according to standard UNE-EN16147.

AEROTHERMAL ENERGY FOR DHW
HEAT PUMP 200, 260L

CIRCUITS AND CONNECTIONS

Refrigeration system	Description
Compressor	Rotative
Refrigerant	R134a
Evaporator	Centrifugal
Condenser	Aluminium

ADVANCED CONTROLER

- Intuitive, programmable controller with LCD display
- Prepared for connection with solar thermal and photovoltaic installations.
- Automatic anti-legionella disinfection.
- Automatic defrost when the evaporator is frozen.
- When an error occurs or the protection mode is activated automatically, the error number will be indicated on the control panel display and a symbol will flash on the controller board.
- Operating modes:

  Normal mode: the system logic will constantly calculate the maximum value of the compressor operation whenever the ambient temperature exceeds 25ºC, only activating the electrical resistance until reaching the temperature set by the user when the compressor reaches the max. Temperature. calculated to avoid its malfunction.

  Fast heating mode: the electric resistance will start working at the same time as the compressor, until it reaches the temperature set by the user.

  Electric resistance mode: only the electric resistance will act.

AEROTHERMAL ENERGY FOR DHW
HEAT PUMP PLUS
160, 200, 260L

- Insulation guaranteeing minimal heat loss.
- Standard recirculation connection.
- Easy installation and access: very similar to electric heaters.
- Minimum maintenance: there is no anode to replace.
- Duplex stainless steel tank 2205.
- Intelligent controller with 3 operation modes.
- Anti-legionella desinfection.
- Interior/exterior connection.
- Efficient, low-impact fan.
- Savings: up to 75% compared to conventional systems of DHW.
- Connection with photovoltaic installations.
- Allows dehumidification and cooling of spaces.
- 5-year guarantee for the tank and 2 years for the rest of the components.

STAINLESS-STEEL TANK 444

Model	Reference	Instalation	Energy class	Sound level (dB) **	RP
THP160M444	650HP160M444	Floor	A	40	
THP200M444	650HP200M444				
THP260M444	650HP260M444				
THP200SM444*	650HP200SM444				
THP260SM444*	650HP260SM444				

* Equipment with coil.
** Sound level measured according to EN 12102 and EN ISO 9614 at 5m distance and directivity 2.

DUPLEX STAINLESS-STEEL TANK 2205

Model	Reference	Instalation	Energy class	Sound level (dB) **	RP
THP160	650HP160	Floor	A	40	
THP200	650HP200				
THP260	650HP260				

** Sound level measured according to EN 12102 and EN ISO 9614 at 5m distance and directivity 2.

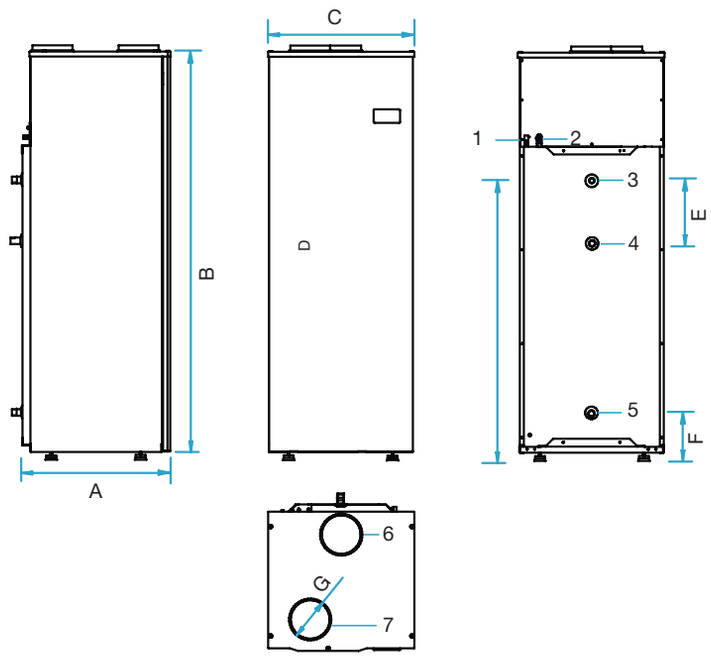
AEROTHERMAL ENERGY FOR DHW
HEAT PUMP PLUS
160, 200, 260L

DIMENSIONS AND SCHEME

Reference	Description
1	Electrical connection
2	Condensate output
3	Hot water outlet
4	Recirculation socket
5	Coldwater inlet
6	Air outlet
7	Air inlet

Measurement	160 L	200 L	260 L
A	587	587	587
B	1297	1.527	1.945
C	585	585	585
D	727	956	1.323
E	94	194	194
F	217	217	217
G	160	160	160

THP Scheme



TECHNICAL FEATURES

Technical data	Units	160 L	THP200	260 L
Nominal capacity	L	160	200	260
Maximum operating preassure	bar	6	6	6
SCOP a 7ºC *	-	2,56	2,57	2,64
SCOP a 14ºC **	-	2,85	2,98	3,04
Thermal power range (7ºC - 14ºC)	W	1.464 - 1.820		
Power consumption range (7ºC - 14ºC)	W	500 - 545		
Thermal power output with a back-up system	W	3.320		
Maximum thermal output with a back-up system	W	3.788		
Maximum consumption with support	W	2.135		
Maximum water temperature with HP	ºC	55		
Maximum water temperature with resistance	ºC	65		
Power supply	-	220-240V / 1ph / 50 Hz		
Power of the resistance	W	1.500		
Type of insulation	-	Polyurethane foam 42 kg/m3		
Average insulation thickness	cm	8		
Available pressure fan	Pa	70		
Airflow range of the equipment	m3/h	350-450		

- Optional photovoltaic connection:
- Collector exchange area: 0,9m².
- Water inlet/outlet connection: 1/2".

* SCOP cold climate zone according to standard UNE-EN16147.
** SCOP hot climate zone according to standard UNE-EN16147.

AEROTHERMAL ENERGY FOR DHW
HEAT PUMP PLUS
160, 200, 260L

CIRCUITS AND CONNECTIONS

Refrigeration system	Description
Compressor	Rotative
Refrigerant	R134a
Evaporator	Copper tube and alumium fins
Condenser	Aluminium 3000 Series

Connections	Size
Water inlet/outlet (in)	3/4
Air inlet/outlet (mm)	160
Condensate output (in)	1/2

ADVANCED CONTROLER

- Touch controller.
- Prepared for connection with facilities photovoltaic.
- Automatic anti-legionella disinfection.
- Automatic defrost when the evaporator is frozen.
- Alarms:
  Low pressure, high pressure.
  High operating temperature.
  Temperature probe.
  Battery fault.
- It incorporates 3 operating modes:
  Eco: heat pump only operating mode.
  Auto: combination of heat pump and electric resistance when low a lot the temperature.
  Boost: heat pump and electric resistance for faster heating.

WI-FI CONTROLLER FOR REMOTE CONTROL

- Individual installations: the user can access or control the equipment remotely.
- Multiple installations: the installer can monitor and control all installations from a single control panel.

Model	Reference	RP
Wi-Fi controller	656WIFI	

AEROTHERMAL ENERGY FOR DHW
HEAT PUMP PLUS
500L

- Large DHW storage volume with insulation guaranteeing minimal heat loss.
- Standard recirculation connection.
- Easy installation and access: very similar to electric heaters.
- Minimum maintenance: there is no anode to replace.
- Duplex stainless steel tank 2205.
- Intelligent controller with 3 operation modes.
- Anti-legionella desinfection.
- Interior/exterior connection.
- Efficient, low-impact fan.
- Savings: up to 75% compared to conventional systems of DHW.
- Connection with photovoltaic installations.
- Allows dehumidification and cooling of spaces.
- 5-year guarantee for the tank and 2 years for the rest of the components.

STAINLESS-STEEL TANK 444

Model	Reference	Instalation	Energy class	Sound level (dB) **	RP
THP500M444	650HP500M444	Floor	A	41	
THP500SM444*	650HP500SM444				

* Equipment with coil.
** Sound level measured according to EN 12102 and EN ISO 9614 at 5m distance and directivity 2.

DUPLEX STAINLESS-STEEL TANK 2205

Model	Reference	Instalation	Energy class	Sound level (dB) **	RP
THP500	650HP500	Floor	A	41	
THP500S*	650HP500S				

** Sound level measured according to EN 12102 and EN ISO 9614 at 5m distance and directivity 2.

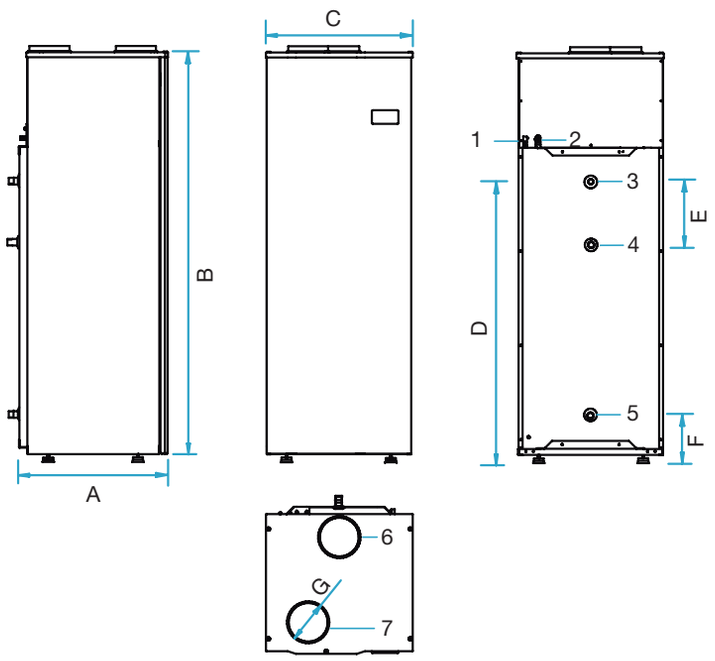
AEROTHERMAL ENERGY FOR DHW
HEAT PUMP PLUS
500L

DIMENSIONS AND SCHEME

Reference	Description
1	Electrical connection
2	Condensate output
3	Hot water outlet
4	Coldwater inlet
5	Recirculation socket
6	Air outlet
7	Air inlet

Reference	Measurement
A	740
B	2.066
C	696
D	1.455
E	325
F	245
G	160

THP500 Scheme



TECHNICAL FEATURES

Technical data	Units	Value
Nominal capacity	L	500
Maximum operating preassure	bar	6
SCOP a 7ºC *	-	2,52
SCOP a 14ºC **	-	2,97
Thermal power range (7ºC - 14ºC)	W	3.122 - 3.907
Power consumption range (7ºC - 14ºC)	W	1.082 - 1.145
Thermal power output with a back-up system	W	5.407
Maximum thermal output with a back-up system	W	6.165
Maximum consumption with support	W	2.785
Maximum water temperature with HP	ºC	55
Maximum water temperature with resistance	ºC	65
Power supply	-	220 - 240V / 1ph / 50hz
Power of the resistance	W	1.500
Type of insulation	-	Polyurethane foam 42 kg/m3
Average insulation thickness	cm	8
Available pressure fan	Pa	70
Airflow range of the equipment	m3/h	700

- Optional photovoltaic connection
- Collector exchange area: 0,9m²
- Water inlet/outlet connection: 1/2”

* SCOP cold climate zone according to standard UNE-EN16147.
** SCOP warm climate zone according to the UNE-EN16147.

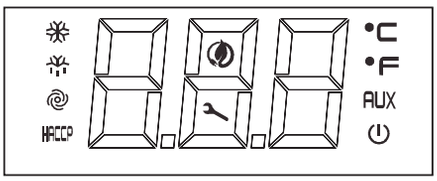
AEROTHERMAL ENERGY FOR DHW
HEAT PUMP PLUS
500L

CIRCUIT AND CONNECTION

Refrigeration system	Description
Compressor	Rotative
Refrigerant	R134a
Evaporator	Copper tube and alumium fins
Condenser	Aluminium 3000 Series

Connections	Value
Water inlet/outlet (in)	1
Air inlet/outlet (mm)	160
Condensate output (in)	1/2

ADVANCED CONTROLLER



- Touch screen controller.
- Prepared for connection with photovoltaic installations.
- Automatic Anti-Legionella Desinfection.
- Automattic defrost when the evaporator is frozen.
- Alarms:
  - Low pressure, high pressure.
  - High operating temperature.
  - Temperature probe.
- Batery failure.

It incorporates 3 operating modes:

Eco: heat pump only operating mode.

Auto: the combination of heat pump and elecctrical resistance.

Boost: heat pump and electric resistance for faster heating.

WI-FI CONTROLLER FOR REMOTE CONTROL

- Individual installations: the user can access or control the equipment remotely.
- Multiple installations: the installer can monitor and control all installations from a single control panel.

Model	Reference	RP
Wi-Fi controller	656WIFI	

AEROTHERMAL ENERGY FOR DHW
HEAT EXCHANGER
THX5, THX10

- Heat pump for the production of DHW for use in tanks existing.
- Energy savings: up to 75% compared to conventional systems for DHW production.
- DHW up to 55ºC only with heat pump.
- It allows to dehumidify and cool spaces.
- Indoor / outdoor connection.
- Connection with photovoltaic installations.
- Efficient fan with low acoustic impact.
- Automatic anti-legionella disinfection.
- Intelligent controller with 3 modes of operation.
- Possibility of installation on the floor or wall.
- The exhaust air current can be used to cool spaces.

Model	Reference	Instalation	Energy class	Sound level (dB)*	RP
THX5	651HP05	Floor / Mural	A	40	
THX10	651HP10			41	

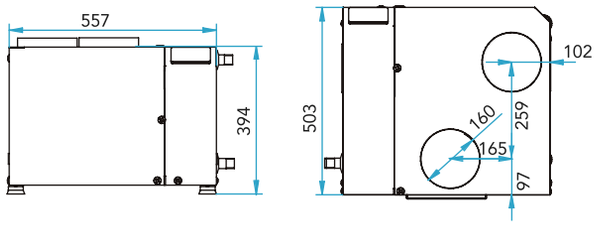
* Sound level measured according to EN 12102 and EN ISO 9614 at 5m distance and directivity 2.

AEROTHERMAL ENERGY FOR DHW
HEATEXCHANGER
THX5, THX10

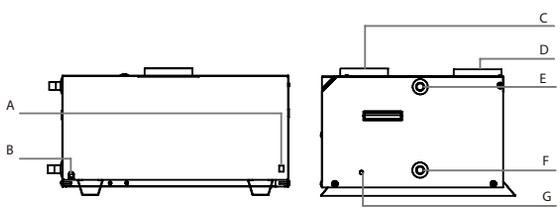
DIMENSIONS AND SCHEME

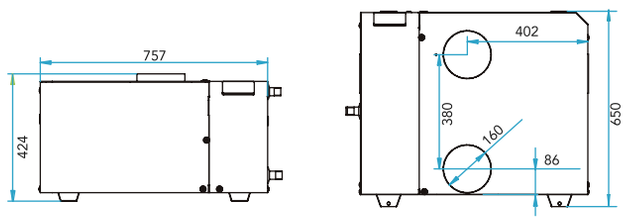
Reference	Description
A	Electrical connection
B	Condensate output
C	Air intake
D	Air blasting
E	Hot water outlet
F	Coldwater inlet
G	Temperature sensor / pump connection

THX5 measurements



THX10 measurements





TECHNICAL FEATURES

Technical data	Units	THX5	THX10
Nominal capacity	L	100 - 280	280 - 500
SCOP a 7ºC *	-	2,54	2,87
SCOP a 14ºC **	-	2,91	3,01
Thermal power range (7ºC - 14ºC)	W	1.464 - 1.820	3.122 - 3.907
Power comsumption range (7ºC - 14ºC)	W	464 - 493	1.082 - 1.145
Maximum consumption	W	635	1.200
Maximum water temperature at the outlet	ºC	55	55
Power supply	V / ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
Load	g	950	1.285
Airflow	m3 / h	350 - 450	700
Minimum air temperature	ºC	-5	-5
Available fan pressure	Pa	70	70
Exchanger pressure loss	kPa	2	2
Minimum water Flow	L / h	250	483

* SCOP cold climate zone according to standard UNE-EN16147.
** SCOP warm climate zone according to the UNE-EN16147.

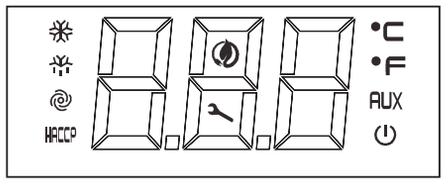
AEROTHERMAL ENERGY FOR DHW
HEAT EXCHANGER
THX5, THX10

CIRCUITS AND CONNECTIONS

Refrigeration circuit	Description
Compressor	Rotative
Coolant	R134a
Evaporator	Copper tube and aluminium fins
Plate heat exchanger	Stainless Steel

Connections	THX5	THX10
Hot water outlet (in)	3/4	1
Coldwater inlet (in))	3/4	1
Air connection diameter (mm)	160	160

ADVANCED CONTROLLER



- Touch screen controller.
- Prepared for connection with photovoltaic installations.
- Automatic Anti-Legionella Desinfection.
- Automattic defrost when the evaporator is frozen.
- Alarms:
  - Low pressure, high pressure.
  - High operating temperature.
  - Temperature probe.
- Batery failure.

It incorporates 3 operating modes:

- Eco: heat pump only operating mode.
- Auto: the combination of heat pump and elecctrical resistance.
- Boost: heat pump and electric resistance for faster heating.

WI-FI CONTROLLER FOR REMOTE CONTROL

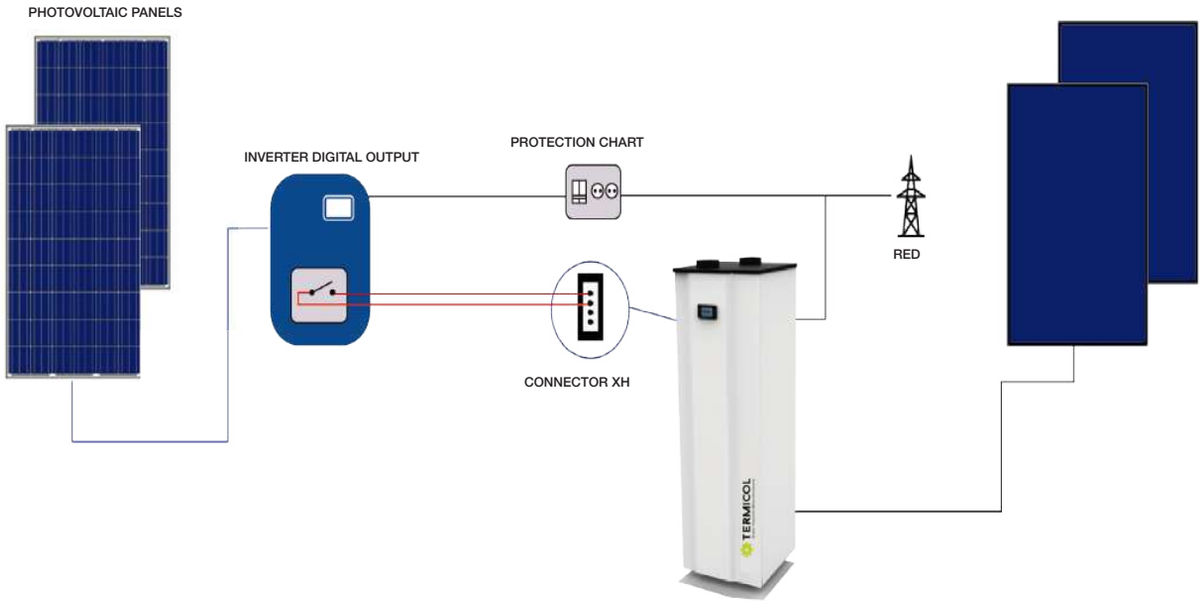
- Individual installations: the user can access or control the equipment remotely.
- Multiple installations: the installer can monitor and control all installations from a single control panel.

Model	Reference	RP
Wi-Fi controller	656WIFI	

HEAT PUMP INSTALLATION
COMPLEMENTS

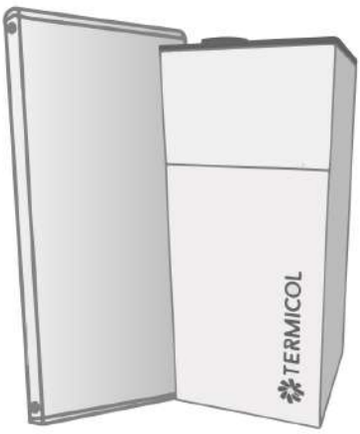
HYBRIDABLE WITH PHOTOVOLTAIC

Our aerothermal equipment presents the possibility of connection to a photovoltaic installation. (These products are not included in our aerothermal kits).



- When there is excess energy production, the inverter closes the contact to send the energy to the aerothermal equipment. Our heat pump heats the water using heat pump technology, accumulating this excess energy in the form of hot water.

HYBRID SYSTEM



The Termicol Solar Hybrid range is a very efficient solution based on the integration of two technologies, solar thermal and heat pump as support for the production of sanitary hot water. This new system is capable of capturing solar radiation and thermal energy from the environment, achieving a very high energy performance.

INDEX HYBRID SYSTEM

FAMILY TERMICOL
SOLAR HYBRID PLUS
200, 260, 500L

CHARACTERISTICS

- High volume DHW: available in capacities of 200, 280 and 500 liters. Guarantees minimal losses of heat thanks to the reinforced insulation.
- The use of solar radiation is maximized to achieve the maximum savings.
- Solar pumping group incorporated in the tank along with aerothermal. It is only necessary link with the solar collector.
- Sheathed resistance.
- Duplex 2205 stainless steel tank.
- Minimum maintenance: there is no anode to replace.
- Single controller that integrates both technologies, the solar and aerothermal.
- Anti-legionella disinfection.
- Efficient fan with low acoustic impact.
- Alarm indicators.

Model	Ref. Flat Roof	Ref. Tiled Roof	Liters	Energy class	Sound level (dB) *	RP
TSH200 with 1S26	655HP2001S26VGP	655HP2001S26VGI	200	A++	40	
TSH200 with 1G26	655HP2001G26VGP	655HP2001G26VGI	200	A++	40	
TSH200 with 2S21	655HP2002S21VGP	655HP2002S21VGI	200	A+++	40	
TSH200 with 2G21	655HP2002G21VGP	655HP2002G21VGI	200	A+++	40	
THS200 with 2S26	655HP2002S26VGP	655HP2002S26VGI	200	A+++	40	
THS200 with 2G26	655HP2002G26VGP	655HP2002G26VGI	200	A+++	40	
TSH260 with 2S21	655HP3002S21VGP	655HP3002S21VGI	260	A+++	40	
TSH260 with 2G21	655HP3002G21VGP	655HP3002G21VGI	260	A+++	40	
TSH260 with 2S26	655HP3002S26VGP	655HP3002S26VGI	260	A+++	40	
TSH260 with 2G26	655HP3002G26VGP	655HP3002G26VGI	260	A+++	40	
TSH500 with 3S26	655HP5003S26VGP	655HP5003S26VGI	500	A+++	41	
TSH500 with 3G26	655HP5003G26VGP	655HP5003G26VGI	500	A+++	41	
TSH500 with 4S26	655HP5004S26VGP	655HP5004S26VGI	500	A+++	41	
TSH500 with 4G26	655HP5004G26VGP	655HP5004G26VGI	500	A+++	41	

* Sound pressure measured according to EN 12102 and EN ISO 9614 at 5m distance and directivity 2.
** Consult for other combinations

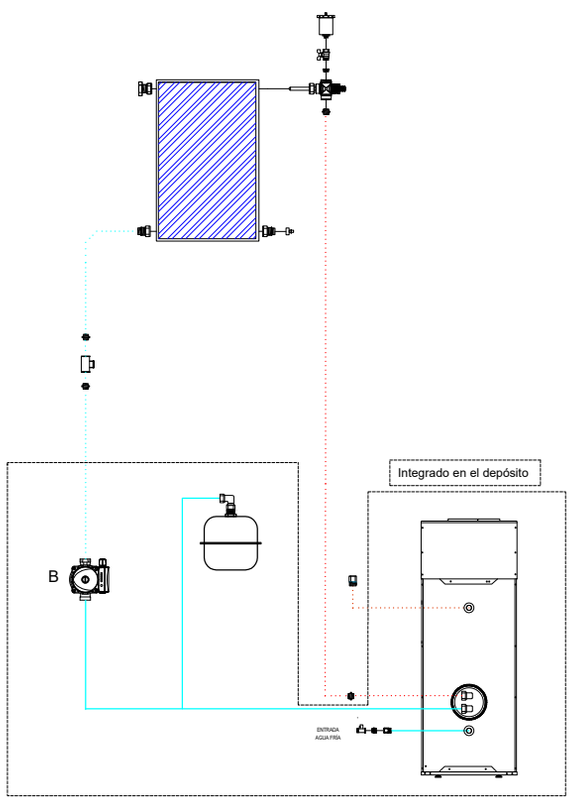
FAMILY TERMICOL
SOLAR HYBRID PLUS
200, 260, 500L

ENERGY EFFICIENCY

	Equivalent energy efficiency = thermal energy generated / electrical energy consumed			
Model	Sevilla	Madrid/Roma	París/Wurzburgo	Bilbao/La Coruña
TSH200 with 1S26	7,15	5,63	3,32	4,36
TSH200 with 1G26	11,20	7,47	3,75	5,24
TSH200 with 2S21	13,48	9,40	4,21	6,21
TSH200 with 2G21	9,06	6,67	3,62	4,94
THS200 with 2S26	13,30	9,37	4,25	6,26
THS200 with 2G26	16,74	11,64	4,86	7,62
TSH260 with 2S21	8,51	6,37	3,52	4,82
TSH260 with 2G21	11,04	7,69	3,86	5,39
TSH260 with 2S26	10,69	7,69	3,86	5,37
TSH260 with 2G26	15,89	9,83	4,36	6,45
TSH500 with 3S26	10,22	7,04	3,53	4,94
TSH500 with 3G26	13,10	8,85	3,95	5,85
TSH500 with 4S26	12,93	8,82	3,90	5,77
TSH500 with 4G26	16,35	11,05	4,46	7,06

COMPONENTS

- Solar collectors.
- Support structures.
- Interaccumulator tank with integrated heat pump.
- Membrane expansion vessel.
- Valve accessories and connection.
- Pumping and regulation system.
- Antifreeze fluid for the site.
- Coolant for the heat pump.
- Internal coil for solar and external for heat pump.



Connections	TSH200	TSH260	TSH500
Water inlet / outlet (inch)	3/4		1
Air inlet / outlet (mm)	160		160
Condensate outlet (inch)	1/2		1/2
Solar outlet (inch)	3/4		
Solar outlet (turn) (inch)	3/4		

FAMILY TERMICOL
SOLAR HYBRID PLUS
200, 260L

HEAT PUMP AND TANK

Technical characteristics	TSH200	TSH260	TSH500
Nominal capacity (L)	200	260	500
Maximum operating pressure (bar)	6	6	6
SCOP at 7ºC *	2,57	2,64	2,52
SCOP at 14ºC **	2,98	3,04	2,97
Thermal power range (7ºC-14ºC) (W)	1.464 - 1.820		3.122 - 3.970
Power consumption range (7ºC-14ºC) (W)	500 - 545		1.082 - 1.145
Thermal power support system (W)	3.320		5.407
Maximum thermal power of support system (W)	3.788		6.165
Maximum consumption with support (W)	2.135		2.785
Maximum heat pump temperature (ºC)	55		
Maximum electrical support temperature (ºC)	65		
Power supply	220 - 240V / 1ph / 50Hz		
Power of the resistor	1.500		
Type of insulation	Polyurethane foam 42 kg/m3		
Average insulation thickness (cm)	8		
Available fan pressure (Pa)	70		
Airflow range of the equipment (m³/h)	350 - 450		700
Accumulator dimensions (height x width x length)	587 x 1.527 x 585	587 x 1.945 x 585	740 x 2.066 x 696
Compressor	Scroll		
Coolant	R134a		
Evaporator	Copper tube and aluminium fins		
Condenser	Aluminum 3000 series		

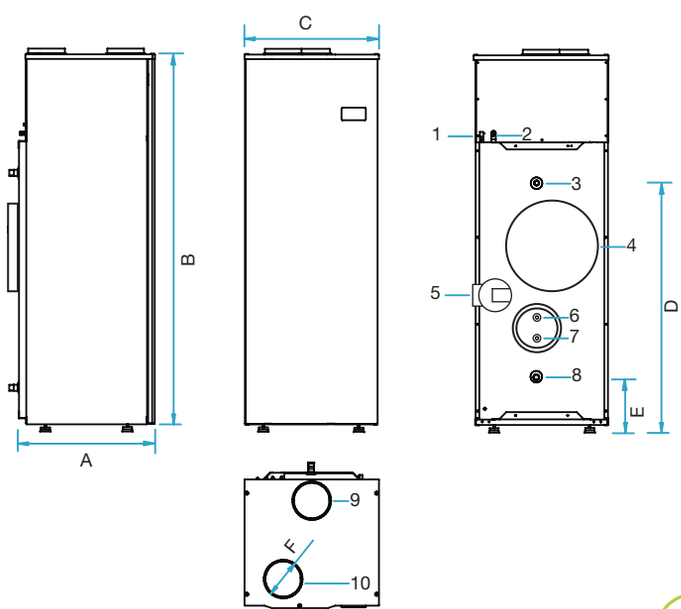
* SCOP cold climate zone according to standard UNE-EN16147.
** SCOP warm climate zone according to the UNE-EN16147 standard.

HYBRID SYSTEM TANK

Measure	TSH200	TSH260	TSH500
A	587	587	740
B	1.527	1.945	2.066
C	585	585	696
D	956	1.323	1.455
E	217	217	245
F	160	160	160

Reference	Description
1	Electrical connection
2	Condensate output
3	Hot water outlet
4	Expansion vessel
5	Circulation pump
6	Coil output socket
7	Coil inlet socket
8	Coldwater inlet
9	Air outlet
10	Air inlet

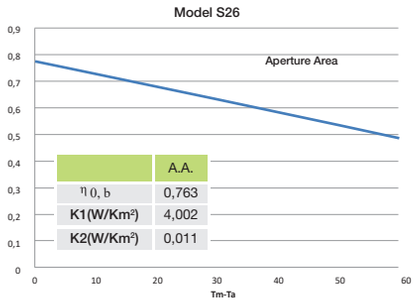
Tank dimensions

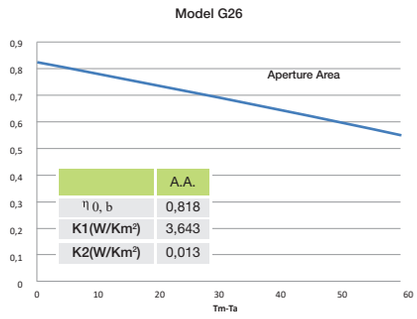


FAMILY TERMICOL
SOLAR HYBRID:
200, 280, 500

COLLECTOR FEATURES

Technical characteristics	S21	S26	G21	G26
Length (mm)	2.047	2.047	2.039	2.039
Width (mm)	1.047	1.047	1.039	1.039
Thickness (mm)	49	49	81	81
Gross area (m2)	2,15	2,15	2,14	2,53
Net area (m2)	2,03	2,03	2,00	2,41
Empty weight (kg)	29	29	30,3	38,2
Fluid capacity (L)	1,15	1,15	1,1	1,4
Frame	Aluminium			
Cascade	Tempered solar glass 3.2			
Isolation	Glass wool 15mm		Glass wool 40mm	





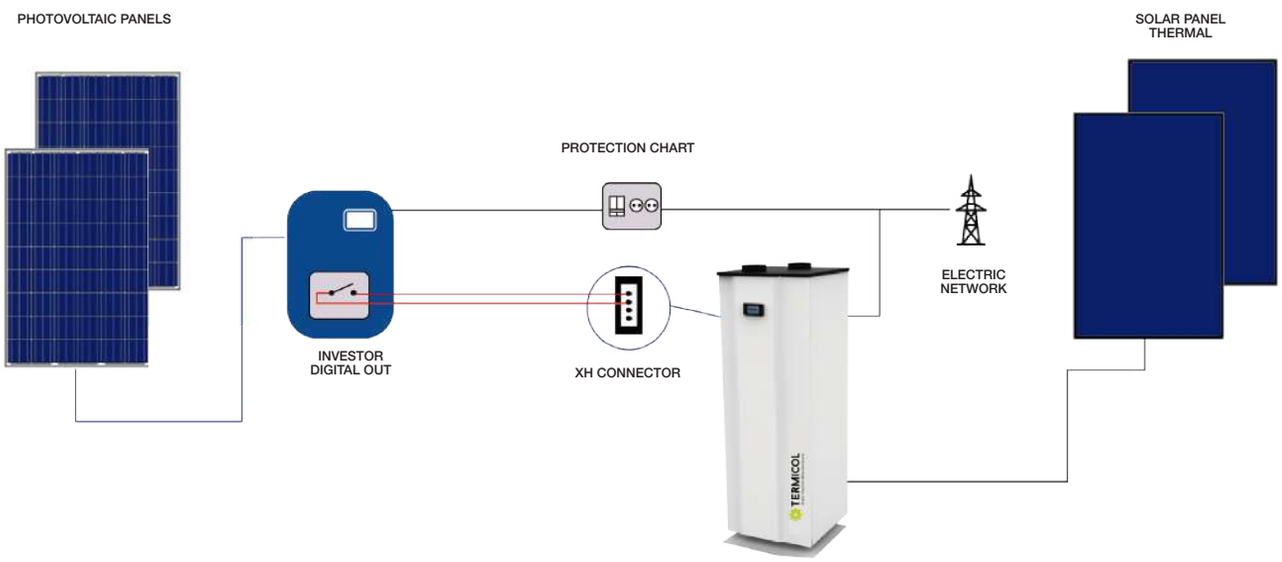
FEATURES OF THE SWITCHBOARD

- Touch screen controller.
- Prepared for connection to photovoltaic installations.
- Automatic anti-legionella disinfection.
- Automatic defrost when the evaporator is frozen.
- Alarms.
- Operation of the system according to different sections to cover all market demands:

  1. By default, the heat pump maintains the storage tank temperature between 35 and 40ºC in the night period (22:00 to 6:00) and between 45 and 50ºC in the daytime period (6:00 to 22:00)
  2. The solar system heats the storage tank up to 60ºC (70ºC if there is excess solar energy) If the solar system is in operation, the heat pump only acts if the temperature is below the Teco set point (30ºC by default).

HYBRIDABLE WITH PHOTOVOLTAIC CONNECTION SCHEME

Our equipment presents the possibility of connection to a photovoltaic installation. (These products are not included in our aerothermal kits).



ACTIVE MODE

When there is excess production of photovoltaic energy, the inverter closes the contact to send the energy to the aerothermal equipment. In this way, it allows the water to be heated using heat pump technology, accumulating this excess energy in the form of hot water.

STORAGE TANKS

In a thermal installation, the accumulator is the effective supply point from which the energy necessary to meet consumption is extracted. There are various types of accumulators, where your choice is important as it can help improve the performance of the collection system. We distinguish between unified, floor and wall, inertia and stainless steel accumulators.

INDEX STORAGE TANKS

STORAGE TANKS
DHW DIRECT ENAMELED

- Vertical direct storage tanks for DHW, carbon steel.
- Internally enameled.
- 5-year warranty.

Characteristics	150	200	300	500	750	1000	1500	2000	2500	3000	4000	5000
*Diameter (mm)	580	580	580	740	910	1.010	1.120	1.120	1.460	1.460	1.660	1.660
*Height (mm)	1.135	1.340	1.870	1.845	2.110	2.070	2.360	2.280	2.180	2.580	2.625	3.230
Weight (kg)	72	79	97	153	223	235	330	470	560	620	762	882
Insulation Thickness (mm)	50	50	50	50	80	80	80	80	80	80	80	80
P_{max} (bar) / T_{max} (ºC)	10 / 95											

*Dimensions insulation included

MODELS AND PRICES

Model	Capacity (liters)	Inspection Flange	External protection	Reference	RP
ATK 150 D	150	4"	Rigid polyurethane and leatherette	602K0150	
ATK 200 D	200			602K0200	
ATK 300 D	300			602K0300	
ATK 500 D	500			602K0500	
ATK 750 D	750	5"	Flexible polyurethane and leatherette	602K0800	
ATK 1000 D BH	1.000	16"		602K1000	
ATK 1500 D BH	1.500			602K1500	
ATK 2000 D BH	2.000			602K2000	
ATK 2500 D BH	2.500			602K2500	
ATK 3000 D BH	3.000			602K3000	
ATK 4000 D BH	4.000			602K4000	
ATK 5000 D BH	5.000			602K5000	
ATK 1000 D BP	1.000	5"		602K1010	
ATK 1500 D BP	1.500			602K1510	
ATK 2000 D BP	2.000			602K2010	
ATK 2500 D BP	2.500			602K2510	
ATK 3000 D BP	3.000			602K3010	
ATK 4000 D BP	4.000			602K4010	
ATK 5000 D BP	5.000			602K5010	

ACCESORIES

Description	Reference	RP
Electronic anode (750 L - 1000 L)	714AE1500	
Electronic anode (1500 L - 5000 L)	714AE5000	
Magnesium anode (hasta 300 L)* 20	714KAM114L31	
Silicone gasket (<= 800 L)	714KJSBP	
Silicone gasket (> 800 L)	714KJSBG	

* Consult other capabilities

Electronic anodes

STORAGE TANKS
DHW COIL ENAMELED

- Vertical tanks with a fixed coil for DHW.
- Enameled interior treatment.
- 5 years warranty.

Characteristics	ATK 150	ATK 200	ATK 300	ATK 500	ATK 750	ATK 1000	ATK 1500	ATK 2000	ATK 2500	ATK 3000
Coil surface (m2)	0,62	0,62	1,0	1,5	2,92	2,92	3,66	4,59	5,9	6,8
Weight (kg)	91	109	123	194	240	280	335	480	660	730
*Diameter (mm)	580	580	580	740	910	1.010	1.120	1.260	1.460	1.460
*Height (mm)	1.135	1.340	1.860	1.845	2.110	2.070	2.375	2.280	2.160	2.580
Insulation Thickness (mm)	50	50	50	50	80	80	80	80	80	80
P_{max} (bar) / T_{max} (ºC)	10 / 95									

*Insulation included.

Model	Capacity (liters)	Inspection Flange	External protection	Reference	RP
ATK 150 S	150	4"	Rigid polyurethane and leatherette	602K0151	
ATK 200 S	200			602K0201	
ATK 300 S	300			602K0301	
ATK 500 S	500			602K0501	
ATK 750 S	750	5"	Flexible polyurethane and leatherette	602K0801	
ATK 1000 S BH	1.000	16"		602K1001	
ATK 1500 S BH	1.500			602K1501	
ATK 2000 S BH	2.000			602K2001	
ATK 2500 S BH	2.500			602K2501	
ATK 3000 S BH	3.000			602K3001	
ATK 1000 S BP	1.000	5"	Flexible polyurethane and leatherette	602K1011	
ATK 1500 S BP	1.500			602K1511	
ATK 2000 S BP	2.000			602K2011	
ATK 2500 S BP	2.500			602K2511	
ATK 3000 S BP	3.000			602K3011	

STORAGE TANKS FOR HEAT PUMP

DHW COIL ENAMELED LARGE SURFACE

- Enameled interior treatment.
- 5-year warranty.
- Bottom coil in enameled steel with large exchange surface.

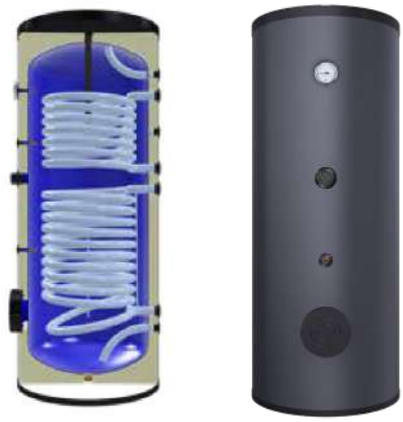
Characteristics	ATK 150	ATK 200	ATK 300	ATK 500	ATK 750	ATK 1000	ATK 1500	ATK 2000
Exchange surface inf.coil (m2)	1,2	1,6	2,5	3	4,8	4,8	6,25	7,85
Exchange surface sup.coil (m2)	75	88	110	160	248	274	364	500
Weight (kg)	580	580	700	740	910	1.010	1.120	1.260
Diameter (mm)	1.135	1.340	1.220	1.845	2.100	2.070	2.375	2.280
Height (mm)	50	50	50	50	80	80	80	80
Pmax (bar) / Tmax (ºC)	10 / 95							

* Dimensions with insulation included.

Model	Capacity (liters)	Inspection Flange	Protection	Reference	RP
ATK 150 SX	150	4"	Rigid polyurethane and leatherette	602K0151X	
ATK 200 SX	200			602K0201X	
ATK 300 SX	300			602K0301X	
ATK 500 SX	500			602K0501X	
ATK 750 SX	750	5"	Flexible polyurethane and leatherette	602K0801X	
ATK 1000 SX BH	1.000	16"		602K1001X	
ATK 1500 SX BH	1.500			602K1501X	
ATK 2000 SX BH	2.000			602K2001X	
ATK 1000 SX BP	1.000	5"	Flexible polyurethane and leatherette	602K1011X	
ATK 1500 SX BP	1.500			602K1511X	
ATK 2000 SX BP	2.000			602K2011X	

STORAGE TANKS
DHW COIL ENAMELED

- Vertical storage tanks with double fixed coil for DHW, carbon steel.
- Enameled interior treatment.
- 5-year warranty.
- Bottom coil in enameled steel with large exchange surface.



Characteristics	ATK 200	ATK 300	ATK 500	ATK 750	ATK 1000	ATK 1500	ATK 2000	ATK 2500	ATK 3000
Exchange surface inf.coil (m2)	0,68	1,0	1,35	2,92	2,92	3,66	4,59	5,90	6,80
Exchange surface sup.coil (m2)	0,54	0,54	0,77	1,46	1,46	1,46	2,26	2,80	3,30
Weight (kg)	83	102	151	270	310	395	525	725	805
Diameter (mm)	580	580	740	910	1.010	1.120	1.260	1.460	1.460
Height (mm)	1.340	1.860	1.845	2.110	2.070	2.375	2.280	2.160	2.580
Pmax (bar) / Tmax (ºC)	10 / 95								

Model	Capacity	Inspection Flange	Protection	Reference	RP
ATK 200 S2	200	4"	Rigid polyurethane and leatherette	602K0202	
ATK 300 S2	300			602K0302	
ATK 500 S2	500			602K0502	
ATK 750 S2	750	5"	Flexible polyurethane and leatherette	602K0802	
ATK 1000 S2 BH	1.000	16"		602K1002	
ATK 1500 S2 BH	1.500			602K1502	
ATK 2000 S2 BH	2.000			602K2002	
ATK 2500 S2 BH	2.500			602K2502	
ATK 3000 S2 BH	3.000			602K3002	
ATK 1000 S2 BP	1.000	5"	Flexible polyurethane and leatherette	602K1012	
ATK 1500 S2 BP	1.500			602K1512	
ATK 2000 S2 BP	2.000			602K2012	
ATK 2500 S2 BP	2.500			602K2512	
ATK 3000 S2 BP	3.000			602K3012	

STORAGE TANKS
WALL-MOUNTED DHW ENAMELED TANKS

WALL-MOUNTED ENAMELED TANKS WITH RESISTANCE

Models and prices		
Model	Reference	RP
ATT 80 VE	602MT081E	
ATT 100 VE	602MT101E	
ATT 120 VE	602MT121E	
ATT 150 VE	602MT151E	
ATT 200 VE	602MT201E	

* Ask for other models

Capacity (liters)	Tall (mm)	Long (mm)	Deep (mm)
80	845	440	467
100	985	440	467
120	1150	440	467
150	1315	440	467

Characteristics	80	100	120	150
Exchange surface (m2)	0,45	0,70	0,70	0,70
Electrical back-up (kW)	1,5	1,5	1,5	1,5

THERMOELECTRIC

Capacity (liters)	Tall (mm)	Long (mm)	Deep (mm)
50	593	440	468
80	843	440	468
100	983	440	468
150	1257	440	468
200	1357	560	567

Models and prices		
Model	Reference	RP
ATT 50 VTE	602MTE050TE	
ATT 80 VTE	602MTE080TE	
ATT 100 VTE	602MTE100TE	
ATT 150 VTE	602MTE150TE	
ATT 200 VTE	602MTE200TE	

Characteristics	50	80	100	150	200
Nominal capacity (kW)	1,5	1,5	1,5	1,5	1,5

STORAGE TANKS
BUFFER

- Vertical buffer storage tanks, carbon steel specifically for heating systems.
- Carbon steel coils with large exchange surface.
- 5-year warranty.

Characteristics	200	300	500	750	1000	1500	2000	2000	3000	4000	5000
Exchange surface (m2)	1,5	1,8	1,8	3,1	3,1	4,5	5,5	6,5	7,1	7,5	8,5
Weight of direct buffer tank (kg)	70	77	103	129	150	196	327	336	345	443	513
Weight of indirect buffer tank (kg)	82	96	123	158	178	240	346	354	392	491	557
Ø Tank (mm)	700	700	850	990	990	1200	1300	1450	1450	1700	1800
Height (mm)	1263	1640	1775	1800	2190	2165	2480	2220	2720	2645	2870
Insulation thickness (mm)	100										
Max. working pressure (bar)	6										
Max. temperature (ºC)	95										

DIRECT BUFFER STORAGE TANKS

			Indoors		Outdoors	
Model	Capacity (liters)	Protection	Reference	RP	Reference	RP
ATB 200 IND	200	Flexible polyurethane with detachable PVC cover	603B0200		603B0200EX	
ATB 300 IND	300		603B0300		603B0300EX	
ATB 500 IND	500		603B0500		603B0500EX	
ATB 750 IND	750		603B0750		603B0800EX	
ATB 1000 IND	1.000		603B1000		603B1000EX	
ATB 1500 IND	1.500		603B1500		603B1500EX	
ATB 2000 IND	2.000		603B2000		603B2000EX	
ATB 2500 IND	2.500		603B2500		603B2500EX	
ATB 3000 IND	3.000		603B3000		603B3000EX	
ATB 4000 IND	4.000		603B4000		603B4000EX	
ATB 5000 IND	5.000		603B5000		603B5000EX	

STORAGE TANKS
BUFFER

BUFFER STORAGE TANKS WITH FIXED COIL

			Indoors		Outdoors	
Model	Capacity (liters)	Protection	Reference	RP	Reference	RP
ATB 200 INS	200	Flexible polyurethane with detachable PVC cover	603B0201		603B0201EX	
ATB 300 INS	300		603B0301		603B0301EX	
ATB 500 INS	500		603B0501		603B0501EX	
ATB 750 INS	750		603B0751		603B0801EX	
ATB 1000 INS	1.000		603B1001		603B1001EX	
ATB 1500 INS	1.500		603B1501		603B1501EX	
ATB 2000 INS	2.000		603B2001		603B2001EX	
ATB 2500 INS	2.500		603B2501		603B2501EX	
ATB 3000 INS	3.000		603B3001		603B3001EX	
ATB 4000 INS	4.000		603B4001		603B4001EX	
ATB 5000 INS	5.000		603B5001		603B5001EX	

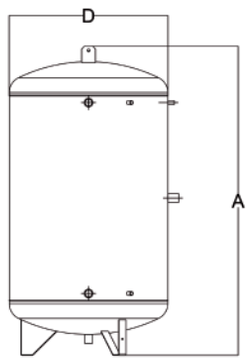
HEAT PUMP BUFFER TANK

- Specially designed for heat pumps.
- Prepared for indoor and outdoor installation of the house.

Model	Capacity (L)	Reference	RP
ATMC 30 IND	30	603MC0030	
ATMC 50 IND	50	603MC0050	
ATMC 100 IND	100	603MC0100	

STORAGE TANKS
DHW STAINLESS STEEL

- Wall from 100 L to 150 L and floor from 150 L to 5000 L
- 5-year warranty



Characteristics	100	150	200	300	500	750	1000	1500	2000	2500	3000	4000	5000
Exchange surface	0,38	0,47	0,71	1,32	1,68	2,72	3,48	4,05	4,86	5,67	6,48	7,30	8,11
Diameter (mm)	480	580	580	580	700	800	930	1.140	1.300	1400	1.500	1.600	1.750
Height (mm	1050	1030	1.033	1.830	1.950	2.000	2.050	2.100	2.150	2.200	2.300	2.300	2.600
Weight (kg)	43	56	60	80	120	140	190	275	380	440	490	503	705
Tank material	316L stainless steel												
Coil material	316L stainless steel												
Max. working pressure	8 bar												

* Insulation included.

DIRECT STAINLESS STEEL STORAGE TANKS

Model	Capacity (liters)	Protection	Reference	RP
ACUVIX 500 INOX	500	Rigid injected polyurethane. Density 42 kg / m3 Indoor / outdoor installation	604V0500	
ACUVIX 750 INOX	750		604V0800	
ACUVIX 1000 INOX	1.000		604V1000	
ACUVIX 1500 INOX	1.500		604V1500	
ACUVIX 2000 INOX	2.000	Flexible polyurethane with detachable PVC cover	604V2000	
ACUVIX 2500 INOX	2.500		604V2500	
ACUVIX 3000 INOX	3.000		604V3000	
ACUVIX 4000 INOX	4.000		604V4000	
ACUVIX 5000 INOX	5.000		604V5000	

STORAGE TANKS
DHW STAINLESS STEEL

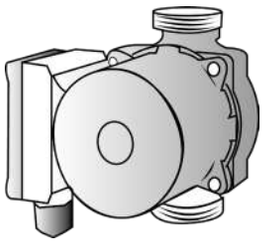
STAINLESS STEEL STORAGE TANKS WITH A COIL

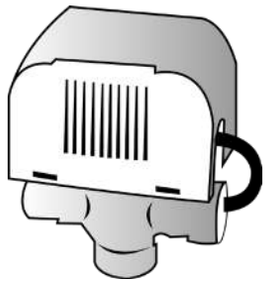
Model	Capacity (L)	Protection	Reference	RP
ACUVIX 100 INOX S	100	Rigid injected polyurethane. Density 42 kg / m3 Indoor / outdoor installation	604V0101	
ACUVIX 150 INOX S	150		604V0151	
ACUVIX 200 INOX S	200		604V0201	
ACUVIX 300 INOX S	300		604V0301	
ACUVIX 500 INOX S	500		604V0501	
ACUVIX 800 INOX S	750		604V0801	
ACUVIX 1000 INOX S	1.000		604V1001	
ACUVIX 1500 INOX S	1.500		604V1501	
ACUVIX 2000 INOX S	2.000	Flexible polyurethane with detachable PVC cover	604V2001	
ACUVIX 2500 INOX S	2.500		604V2501	
ACUVIX 3000 INOX S	3.000		604V3001	
ACUVIX 4000 INOX S	4.000		604V4001	
ACUVIX 5000 INOX S	5.000		604V5001	

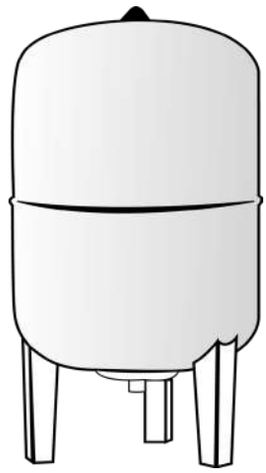
STAINLESS STEEL STORAGE TANKS WITH A LARGE SURFACE COIL

Model	Capacity (L)	Protection	Reference	RP
ACUMCIX 100 INOX SX	100	Rigid injected polyurethane. Density 42 kg / m3 Indoor / outdoor installation	604MC0101X	
ACUMCIX 120 INOX SX	120		604MC0121X	
ACUMCIX 150 INOX SX	150		604MC0151X	
ACUMCIX 200 INOX SX	200		604MC0201X	
ACUMCIX 300 INOX SX	300		604MC0301X	

ACCESSORIES







Accessories to complete the solar thermal installation, necessary to resist the extreme conditions of pressure and temperature to which they may be subjected., Compatible with working fluids and capable of withstanding the outdoor conditions to which they will be exposed.

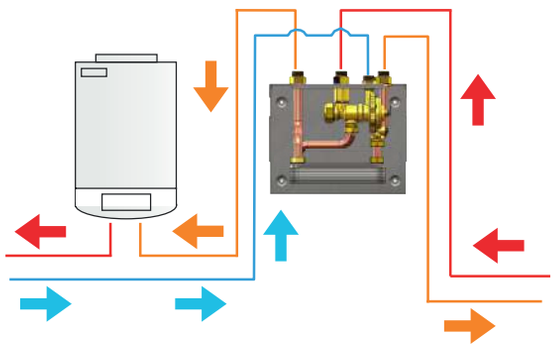
INDEX ACCESSORIES

ACCESSORIES
EXCHANGERS

HEAT TRANSFER KITS

Power (kW)	Description	Reference	RP
35	DHW exchange kit with case	702KIACSK	

*Please consult for other models in development.



DHW PLATE HEAT EXCHANGE

Collectors area (m²)	Power	Inlets	Reference	RP
28,8	6 - 15 kW	3/4"	702PTACS012	
48	16 - 24 kW	3/4"	702PTACS020	
84	25 - 42 kW	1"	702PTACS035	
120	43 - 60 kW	1"	702PTACS050	
144	61 - 72 kW	1"	702PTACS060	
168	73 - 84 kW	1"	702PTACS070	
216	85 - 108 kW	1"	702PTACS090	
240	109 - 120 kW	1 1/4"	702PTACS100	

Design conditions:
- Primary circuit liquid temperature = 60ºC.
- Secondary circuit liquid outlet temperature = 50ºC .
- Primary circuit fluid = propylenglicol 30 %.
- Secondary circuit working liquid = water .

Insulations		
Insulation area (m²)	Reference	RP
48	702PTAIS020	
84	702PTAIS035	
144	702PTAIS060	
216	702PTAIS090	
240	702PTAIS120	

ACCESSORIES
EXCHANGERS

SHELL-AND-TUBE HEAT EXCHANGERS FOR SWIMMING POOL HEATING

- Solar installation power conditions: Input primary circuit T = 50ºC.
- Boiler installation power conditions: Input primary circuit T = 90ºC.
- Maximum flow in tube 15 m3/h.

25 kW

45 kW

85 kW

105 kW

STAINLESS STEEL HEAT EXCHANGERS FOR NON SALINE WATER POOLS

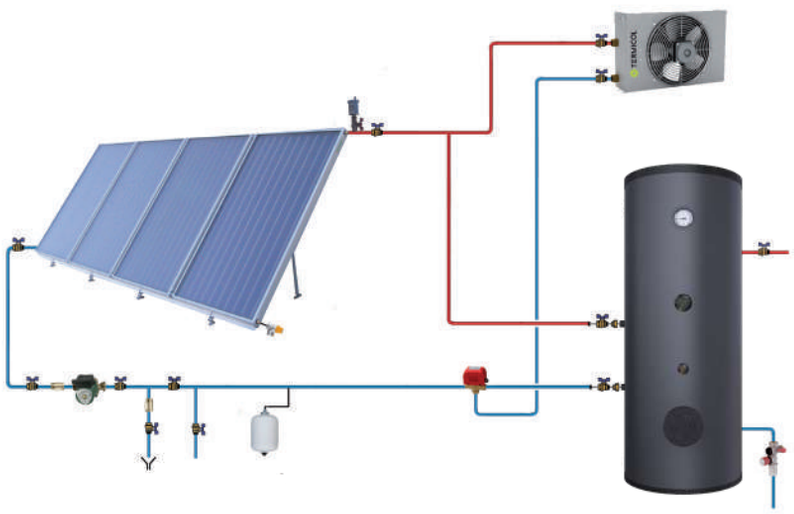
Collectors area (m2)	Solar installation power / Boiler installation power	Reference	RP
2 - 12	1 - 6 kW / 25 kW	702CT025I05	
12 - 35	7 - 18 kW / 45 kW	702CT045I15	
35 - 71	19 - 36 kW / 85 kW	702CT085I30	
71 - 82	37 - 42 kW / 105 kW	702CT105I35	

TITANIUM HEAT EXCHANGERS FOR SALINE WATER POOLS

Collectors area (m2)	Solar installation power / Boiler installation power	Reference	RP
2 - 12	1 - 6 kW / 25 kW	702CT025T05	
12 - 35	7 - 18 kW / 45 kW	702CT045T15	
35 - 71	19 - 36 kW / 85 kW	702CT085T30	
71 - 82	37 - 42 kW / 105 kW	702CT105T35	

ACCESSORIES
HEAT SINKS

DYNAMIC HEAT SINKS



MODELS

*Heat sinks of 106 kW. 152 kW and 190 kW are triple phase, the rest are single phase.

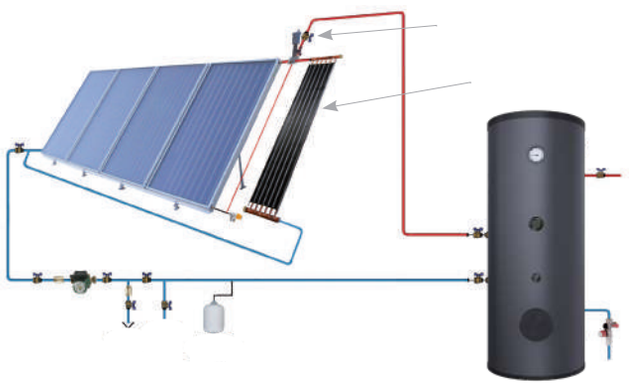
Design conditions
- Intake liquid temperature = 90ºC.
- Intake air temperature = 35ºC .
- Working liquid propylenglicol 30%.

***Contact technical department for models of a higher power.

Heat sinks				
N. of Collectors	Collectors Models	Description	Reference	RP
1 - 3 1 - 4 1 - 5	XL30 S26, G26 S21, G21, P21	8 kW	705DI008M	
4 - 8 5 - 9 6 - 12	XL30 S26, G26 S21, G21, P21	18 kW	705DI018M	
5 - 11 10 - 13 13 - 16	XL30 S26, G26 S21, G21, P21	24 kW	705DI024M	
12 - 18 14 - 21 17 - 26	XL30 S26, G26 S21, G21, P21	40 kW	705DI040M	
19 - 24 22 - 28 27 - 34	XL30 S26, G26 S21, G21, P21	52 kW	705DI052M	
25 - 18 29 - 33 35 - 40	XL30 S26, G26 S21, G21, P21	61 kW	705DI061M	
29 -35 34 - 42 41 - 50	XL30 S26, G26 S21, G21, P21	76 kW	705DI076M	
36 - 50 43 - 57 51 - 70	XL30 S26, G26 S21, G21, P21	106 kW *	705DI106T	
51 - 71 58 - 84 71 - 101	XL30 S26, G26 S21, G21, P21	152 kW *	705DI152T	
72 - 89 85 - 105 102 - 126	XL30 S26, G26 S21, G21, P21	190 kW *	705DI190T	
90 - 114 106 - 134 127 - 161	XL30 S26, G26 S21, G21, P21	243 kW *	705DI243T	
115 - 143 135 - 168 161 - 200	XL30 S26, G26 S21, G21, P21	304 kW *	705DI304T	

ACCESSORIES
HEAT SINKS

STATIC HEAT SINKS



MODELS

Thermostatic valve T 90ºC

Passive heat sink

For collector arrays				
Nº Collectors	Collectors Models	Description	Reference	RP
2	S21, G21, P21	2,5 kW	705ECF025	
2 3	S26, G26 S21, G21, P21	3,5 kW	705ECF035	
2 3 4	XL30 S26, G26 S21, G21, P21	4,5 kW	705ECF045	
3 4 5	XL30 S26, G26 S21, G21, P21	5,5 kW	705ECF055	
4 5 6	XL30 S26, G26 S21, G21, P21	7 kW	705ECF070	
5 6	XL30 S26, G26	8 kW	705ECF080	
7 8	XL30 S26, G26	11 kW	705ECF110	

Description	Reference	RP
Connection for collectors array (statics heat sinks)	215BATCAP2	

* Design conditions for heat sinks placed in horizontal position; wind speed 0 m/s; Δ t = 70 oC; ramp 5%.
** Thermostatic valve included in the heat sink.

Thermostatic valve T 70 ºC

Passive heat sink

For Thermosiphon kits				
Nº Collectors	Collectors models	Description	Reference	RP
2	S21, T20, P21, T25, S26	1.750 kW	705ECT175	

Description	Reference	RP
Connection for Thermosiphon equipment (static dissipators)	215BATCAP3	

** Válvula termostática incluida en el disipador.

ACCESSORIES
CIRCULATION PUMPS

FOR PRIMARY CIRCUITS: SIMPLE PUMPS

Reference		701BP015R[1]	701BP020R[1]	701BP030R[1]	701BP040R[1]	701BP050R[1]	701BP080B[1]	701BP100B[1]
RP								
N° Collectors	Q (m^3/h)	H_{max} (m)	H_{max} (m)	H_{max} (m)	H_{max} (m)	H_{max} (m)	H_{max} (m)	H_{max} (m)
5	0,48	5,7						
10	0,96	4,8	6					
15	1,44	4	5,6					
20	1,92	3,1	4,7	6,2				
25	2,40	2,4	4	6,1	8			
30	2,88		3,2	5,8	7,7	9,6		
40	3,84			4,8	6,6	8,4	11,9	
50	4,80			4	5,5	7,1	11,1	
60	5,76				4,5	6	10,3	12
70	6,72					4,8	9,7	11,7
80	7,68						9,1	11,3
90	8,64						8,5	10,8
100	9,60						7,8	10,1

[1] Include their connection joints
[2] Include flanges

FOR PRIMARY CIRCUITS: DOUBLE PUMPS

Reference		701BPD020B[2]	701BPD030B[2]	701BPD040B[2]	701BPD050B[2]	701BPD080B[2]	701BPD100B[2]
RP							
N° Collectors	Q (m^3/h)	H_{max} (m)	H_{max} (m)	H_{max} (m)	H_{max} (m)	H_{max} (m)	H_{max} (m)
20	1,92	6,5					
30	2,88	6	7,7				
40	3,84	5	7	8			
50	4,80	4,5	6,5	7,5	9,5		
60	5,76	4	6	7	8,5	12,5	
70	6,72		5,5	6,5	8	11,5	15
80	7,68			6	7,5	10,5	14
90	8,64				7	10	13,5
100	9,60					9	13

[2] Include flanges.

ACCESSORIES
CIRCULATION PUMPS

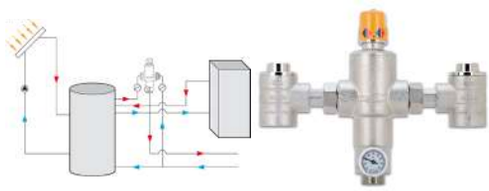
FOR SECONDARY CIRCUITS: SIMPLE PUMPS

Reference		701BS005R[1]	701BS015R[1]	701BS030R[1]	701BS050B[2]	701BS070B[2]	701BS100B[2]
RP							
Nº Collectors	Q (m^3/h)	H_{max} (m)	H_{max} (m)	H_{max} (m)	H_{max} (m)	H_{max} (m)	H_{max} (m)
5	0,48	4	5,4				
10	0,96	3,6	4,9				
15	1,44	3,1	4,4	7			
20	1,92	3,1	3,7	6,7			
25	2,40		3,1	6,4			
30	2,88			6	8,1		
40	3,84			5,2	8	9,9	
50	4,80			4	7,8	9,7	
60	5,76				7,5	9,5	12,6
70	6,72				7,1	9,2	12,1
80	7,68				6,9	8,7	11,6
90	8,64					8	11
100	9,60					7,3	10,5

[1] Include their connection joints.
[2] Include flanges.

ACCESSORIES
VALVES

HIGH-FLOW THERMOSTATIC MIXING VALVES



Description	Reference	RP
Therm. mixing valve 1 1/2" backstop 1 1/4"	708TMZT112CAR	
Therm. mixing valve 1 1/4" backstop 1"	708TMZT114CAR	
Therm. mixing valve 2" backstop 1 1/2"	708TMZT200CAR	

3 WAYS MOTORIZED VALVES

Primary circuits Description	Reference	RP
1/2" (T_{max} 160°C)	708ZN3V012H	
3/4" (T_{max} 160°C)	708ZN3V034H	
1" (T_{max} 160°C)	708ZN3V100H	
1 1/4" (T_{max} 160°C)	708ZN3V114H	
1 1/2" (T_{max} 160°C)	708ZN3V112H	
2" (T_{max} 160°C)	708ZN3V200H	

STATIC BALANCING VALVES

Description	Reference	RP
1/2"H kv 0,1-4,47 m³/h DN15	708EQES012H	

DINAMIC BALANCING VALVES

Description	Reference	RP
3/4"H autoflow	708EQEC034H	

THERMOSTATIC MIXER VALVE

According to	UNI EN 1111
Temperature range	30-55°C
Max. operating pressure	10 bar
Max. inlet temperature	100 °C
Flow at 3 bar	38 l/min
Minimum flow	10 l/min

Description	Reference	RP
Body 3/4" with non-return fittings 3/4"	708TMZ034CT	

ACCESSORIES
SOLAR CONTROLLERS

CONTROL UNITS

CT

Description	Reference	RP
Termicol CT y 3 probes (1relay16A, 3 sensor inputs)	703C6CTC01	

- 3 Temperature sensor inputs PT1000.
- 1 Relay output 16A.

400S

Description	Reference	RP
Termicol 400S y 2 probes (1relay10A,sond.PTC2000)	703C7400S02	

- 2 Temperature sensor inputs PT1000.
- 1 Relay output 230VAC (on/off).

STDC-V3

Description	Reference	RP
Termicol STDC with 2 probes	703C1STDC32	

- 3 Inputs for PT1000 temperature sensors.
- 1 230VAC relay output (on / off).
- 1 PWM output (high efficiency pump speed control).
- 9 Hydraulic variants.

MTDC-V5

Description	Reference	RP
Termicol MTDC with 3 probes	703C2MTDC53	

- 4 Temperature sensor inputs PT1000.
- 2 Relay output 230VAC (on/off).
- 1 PWM output (high efficiency pumps speed control).
- 25 Hydraulic options.

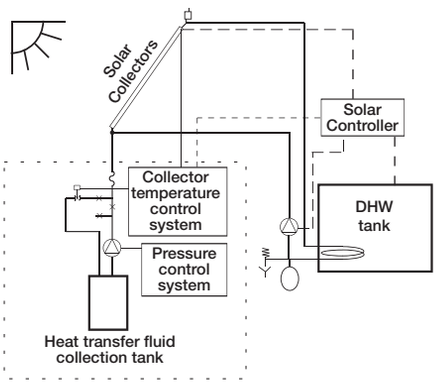
LTDC-V3

Description	Reference	RP
Termicol LTDC with 4 probes	703C3LTDC34	

- 6 Temperature sensor inputs PT1000.
- 2 VFS/RPS Direct sensor inlets for flow measuring.
- 3 Relay output 230VAC (on/off).
- 2 PWM output (high efficiency pumps speed control).
- 42 Hydraulic options.

ACCESSORIES
FILLING SYSTEMS

FILLING AND DRAINING SYSTEMS



Digital equipment

Nº Collectors	Description	Reference	RP
6 - 15	120 L	712LLVD0120	
16 - 25	200 L	712LLVD0200	
26 - 35	300 L	712LLVD0300	
36 - 50	500 L	712LLVD0500	
51 - 120	1.000 L	712LLVD0900	

Electronic equipment

Nº Collectors	Description	Reference	RP
1 - 6	50 L	712LLVE0050	
7 - 15	120 L	712LLVE0120	
16 - 25	200 L	712LLVE0200	
26 - 35	300 L	712LLVE0300	
36 - 50	500 L	712LLVE0500	
51 - 120	1.000 L	712LLVE1000	

FILLING SYSTEMS

Equipment	Description	Reference	RP
Manual electrical equipment	50 L	712LLEM050	
	120 L	712LLEM120	
Electronic equipment	50 L	712LLE0050	
	120 L	712LLE0120	
	200 L	712LLE0200	
	300 L	712LLE0300	
	500 L	712LLE0500	
	1.000 L	712LLE1000	
Digital equipment	120 L	712LLD0120	
	200 L	712LLD0200	
	300 L	712LLD0300	
	500 L	712LLD0500	
	1.000 L	712LLD1000	

ACCESSORIES
VARIOUS

HEAT TRANSFER FLUID



For primary circuits		
Concentrated antifreeze "Fluidosol"	Reference	RP
2 L	707CGF0002	
5 L	707CGF0005	
10 L	707CGF0010	
25 L	707CGF0025	

EXPANSION SYSTEMS


Expansion vessel	Primary circuits						DHW	
	Solar		Heater		Intermediate			
	Reference	RP	Reference	RP	Reference	RP	Reference	RP
2 L	-		706VCR005		706VIN005		-	
8 L	706SOL008		706VCR008		706VIN008		706VAC008	
12 L	706SOL012		706VCR012		706VIN012		706VAC011	
18 L	706SOL018		706VCR018		706VIN018		706VAC018	
25 L	706SOL025		706VCR025		706VIN024		706VAC024	
35 L	706SOL035		706VCR035		706VIN035		706VAC035	
50 L	706SOL050		706VCR050		706VIN050		706VAC050	
80 L	706SOL080		706VCR080		-		706VAC080	
100 L	706SOL100		706VCR100		706VIN100		706VAC100	
140 L	-		706VCR140		-		706VAC150	
200 L	706SOL220		706VCR200		706VIN200		706VAC200	
250 L	-		706VCR250		-		-	
300 L	706SOL350		706VCR300		706VIN300		706VAC350	
400 L	-		706VCR400		-		-	
500 L	706SOL500		706VCR500		-		706VAC500	
600 L	-		706VCR600		-		-	
700 L	706SOL700		-		-		706VAC700	
800 L	-		706VCR800		-		-	
Connection Set*	704SETCGB		704SETCGB		706VINS18		704SETCGB	

*For expansion vessels from 5l to 25l

ACCESSORIES
VARIOUS

PROBES

Description	Reference	RP
Contact temperature probe PT1000	703SDPT1000C	
Temperature probe PT1000	703SDPT1000	

ENERGY METERS

Universal energy meter

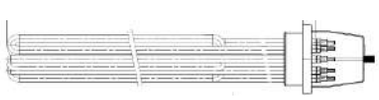
Flow	Diameter	N² probes	Reference	RP
1,5 m3/h	3/4"	2	703COWMZ015	
2,5 m3/h	3/4"	2	703COWMZ025	
3,5 m3/h	1"	2	703COWMZ035	
6,0 m3/h	1"	2	703COWMZ060	
10,0 m3/h	1 1/2"	2	703COWMZ100	
15,0 m3/h	1 1/2"	2	703COWMZ150	

Compact residential energy meter

Flow	Diameter	N² probes	Reference	RP
1,5 m3/h	1/2"	2	703COWME	

ELECTRICAL KITS

Models from 2 to 9 kW



Models from 12 to 18 kW

Flow	Voltage	Diameter	Reference	RP
2kW	Single-phase 230 V	1 1/4"	711KFK2000M	
3kW	Single-phase 230 V	1 1/4"	711KFK3000M	
4,5kW	Three-phase 400 V	1 1/2"	711KFK4500T	
6kW	Three-phase 400 V	1 1/2"	711KFK6000T	
9kW	Three-phase 400 V	1 1/2"	711KFK9000T	
12kW	Three-phase 400 V	2"	711KFK12000T	
15kW	Three-phase 400 V	2"	711KFK15000T	
18kW	Three-phase 400 V	2"	711KFK18000T	

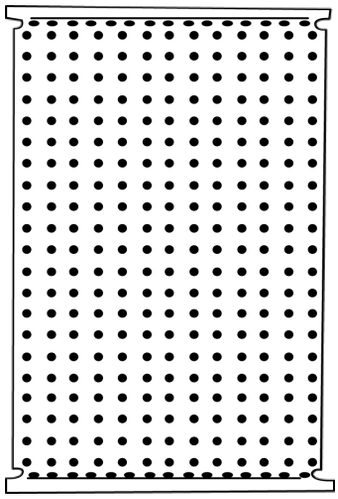
THERMOMETER

Description	Reference	RP
Digital thermometer	703TERMTDIG	

THERMOMETER

Description	Reference	RP
Digital thermometer	703TERSTDIG	

SWIMMING POOLS

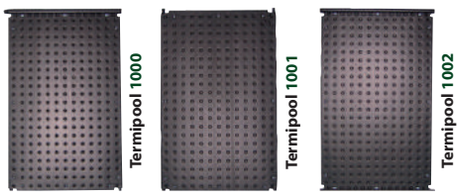


Our solar panels for swimming pools are designed so that you can enjoy the bathing season longer. In addition, it is possible to apply solar energy as an auxiliary system for the heating of indoor swimming pools throughout the year.

INDEX SWIMMING POOLS

SWIMMING POOLS
PLASTIC SOLAR PANELS

- Swimming pools heating
- Extends the swimming season
- Economic and Eco-friendly



Conexión entre paneles

DIMENSIONS

Model	Termipool 1000	Termipool 1001	Termipool 1002
Base	820 mm	820 mm	820 mm
Length	1.320 mm	1.280 mm	1.360 mm
Net Area	1,08 m^2	1,05 m^2	1,12 m^2

CHARACTERISTICS

General technical characteristics	
Material	High-molecular-weight polyethylene
Flow	150 a 250 lts.m2 /h
Reduced pressure loss	Aprox. 0,003 bars at 200 l/h/m2
Weight	Aprox. 6,9 kg/m2
Operating weight	Capacity: Aprox. 8 l/m2
Test pressure	4,5 bars a TN
Operating pressure up to	1,2 bars at 40ºC
Degree of efficiency upto	Aprox. 80% (capacity up to 0,8 kWh/m2)
Average value	0,65 kWh/m2
Temperature resistance	- 50ºC a + 115ºC

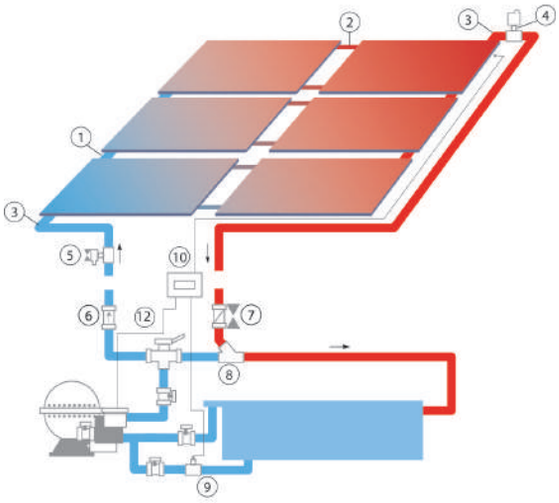
MODELOS Y PRECIOS

Model	Description	Net area	Reference	RP
Termipool 1000	Plastic Solar panel for swimming pools	1,08 m^2	802CT1000	
Termipool 1001		1,05 m^2	802CT1001	
Termipool 1002		1,12 m^2	802CT1002	

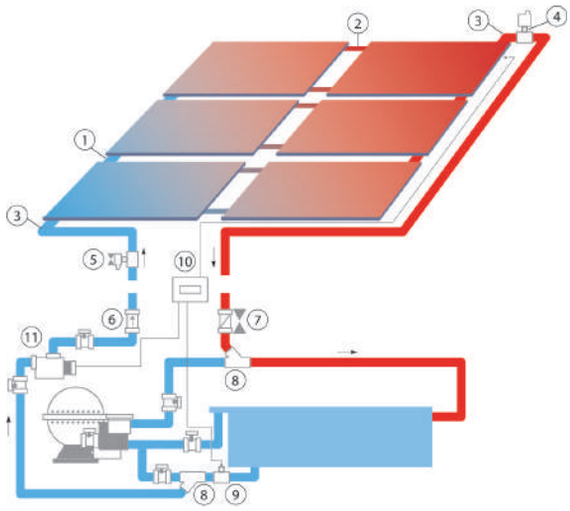


SWIMMING POOLS
INSTALLATION ACCESSORIES

DIFFERENT TYPES OF CONNECTION FOR SWIMMING POOL SOLAR HEATING SYSTEMS



Operation with a purification pump via a motorized threeway valve with differential temperature regulation.

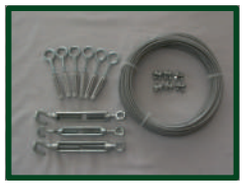


Operation with own pump and differential temperature regulation separate from the filter circuit.

Nº	Description	Reference	RP
1	Stainless steel coupling and clamps for connections ø40	802M&AG40	
2	Stainless steel coupling and clamps for connections ø25	802M&AP25	
-	Flat roof (0°) assembly set 0º	802SMC0	
-	Tiled roof assembly set	802SMC1	
3	Panel field and pipe connection set ø40	803J1C40	
4	Pipe purging set ø40	803J2P40	
5	Pipe draining set ø40	803J3V40	
6	EPDM check valve ø40	804VAR40	
7	PE/EPDM ball valve ø40	804VBL40	
8	Swimming pool circuit connection set ø40-ø50	803J4I6350	
9	Thermowell set for swimming pool sensor ø50	803J5V50	
10	Termipool Easy control	805TEC230	
11	Swimming pool pump 1/4 HP for H=7m Q=7m3/h	805BSC025	
12	3-way manual valve	804V3VM50	

40 mm clamp

25mm clamp



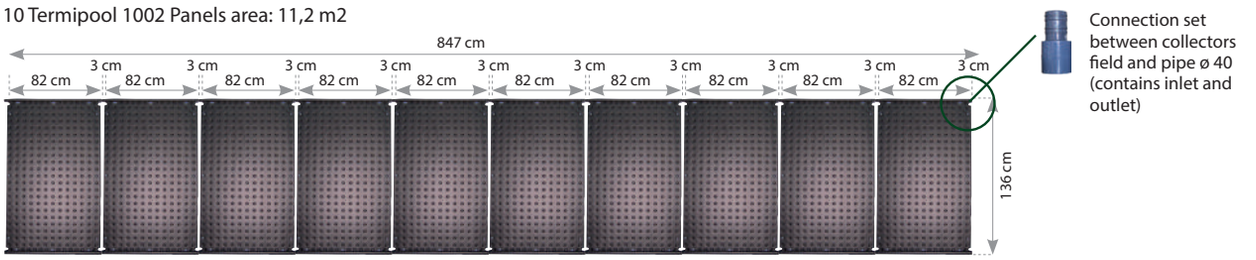
Set for flat roofs 0º

Sloped roof assembly set

SWIMMING POOLS
INSTALLATION ACCESSORIES

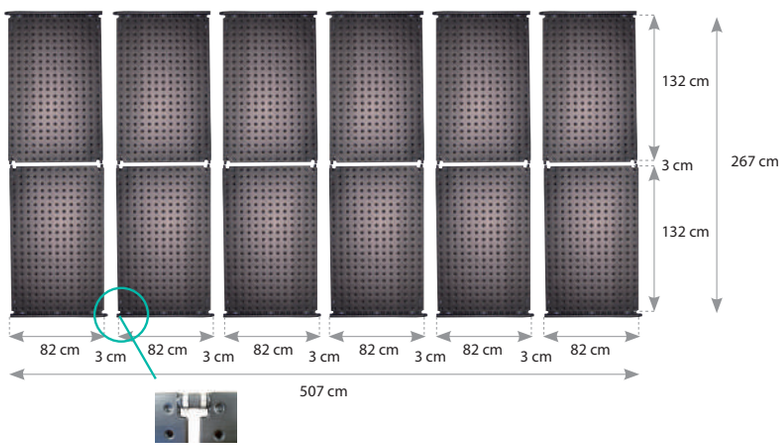
Configuration 1.

10 Termipool 1002 Panels area: 11,2 m2



Configuration 3.

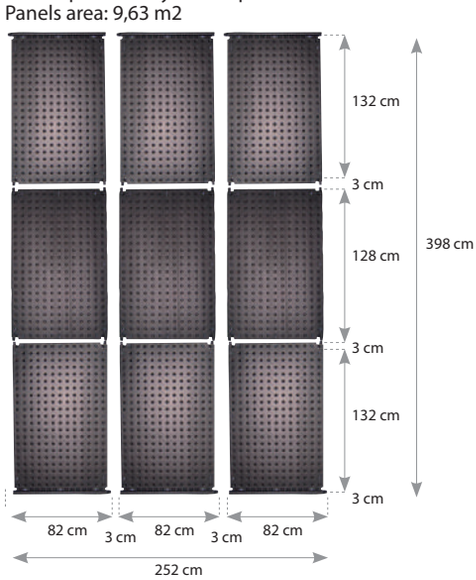
12 Termipool 1000
Panels area: 12,96 m2



Coupling and clamp

Configuration 2.

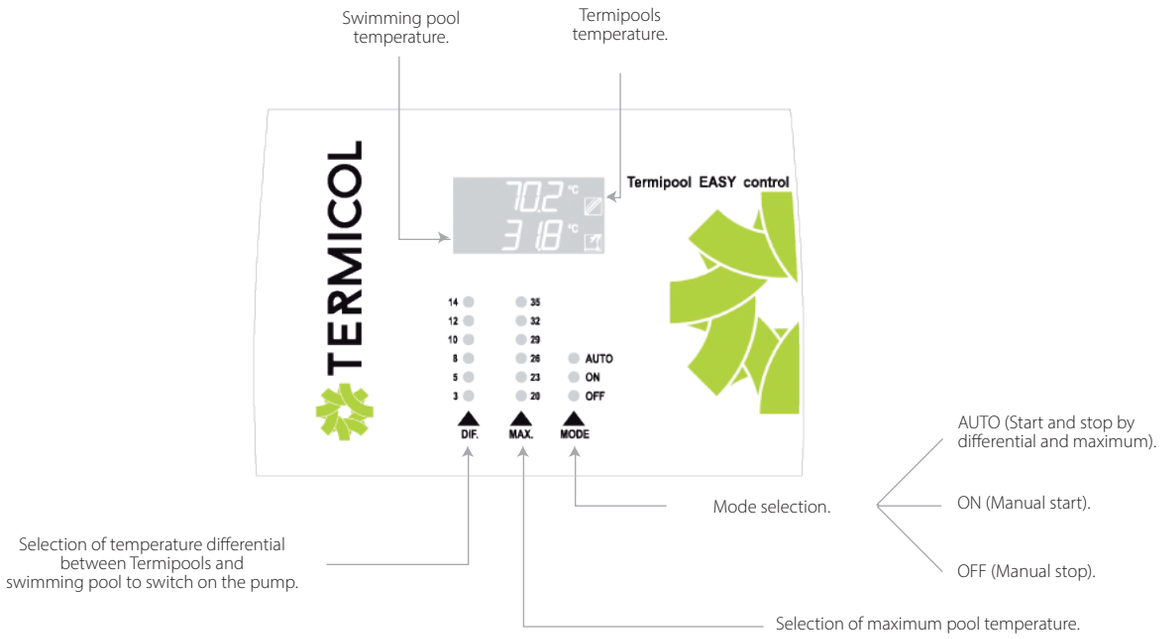
6 Termipool 1000 y 3 termipool 1001
Panels area: 9,63 m2



Nº	Description
1	20 Stainless steel couplings and clamps for ø40 connections
	1 Panel field and ø40 pipe connection set
	1 Roof assembly set
2	6 Stainless steel couplings and clamps for ø40 connections
	12 Stainless steel couplings and clamps for ø25 connections
	1 Panel field and ø40 pipe connection set
	1 Roof assembly set
3	12 stainless steel couplings and clamps for ø40 connections
	12 Stainless steel couplings and clamps for ø25 connections
	1 Panel field and ø40 pipe connection set
	1 Roof assembly set

SWIMMING POOLS
CONTROLLING AND PUMPING

CONTROL SYSTEM



Description		Reference	RP
Termipool Easy Control	3 Outlets of relay of 10 Amps	805TEC230	327€

PUMPING SYSTEMS

Reference		805BSC025	805BSC033	805BSC050	805BSC075
Nº Termicol	Flow	H_{max} (m.c.a.)	H_{max} (m.c.a.)	H_{max} (m.c.a.)	H_{max} (m.c.a.)
10	2 m³/h	11	12	13	15
15	3 m³/h	10,5	11,5	12,7	14,5
20	4 m³/h	10	11	12,5	14
25	5 m³/h	9	10,5	12	13,5
30	6 m³/h	8,5	10	11,5	13
35	7 m³/h	7	9	11	12,5
40	8 m³/h		8,5	10,5	12
45	9 m³/h		7,5	9	11
50	10 m³/h			8,5	10,5
Reference		0,18 kW - 1/4 CV	0,25 kW - 1/3 CV	0,40 kW - 1/2 CV	0,55 kW - 3/4 CV
RP					

PURCHASE

GENERAL CONDITIONS

Termicol Energia Solar, S.L, within its policy of continuous improvement, reserves the right to modify, at any time and without prior notice, the data and characteristics of this Catalogue-Tarifa, and its prices, replace and cancel those previously published. The images contained are indicative and have no contractual value, with Termicol reserving the right to make technical modifications to the products included. The actual characteristics of the products are specified in the respective manuals and datasheets.

Termicol reserves the right to terminate products for technical, commercial or supplier reasons. These discontinued products will be available until stock.

All commercial relations between Termicol Energía Solar and its customers will be governed by the following General Conditions of Sale, not binding variations that have not previously been agreed by mutual agreement and in writing between both parties.

Termicol and the client expressly submit to the jurisdiction of the Courts and Tribunals of Seville, waiving any other jurisdiction or jurisdiction.

ORDERS

The customer's order constitutes acceptance to these General Conditions of Sale. They will only be accepted in writing and must be sent to the pedidos@termicol.com address.

Once received, Termicol will review the terms of the same, considering itself firm if it complies with the general conditions and the particulars agreed between the parties. In case of discrepancies, Termicol will send the customer an Order Confirmation correcting them, which must be accepted by the customer for the order to be considered firm, or if prefered, replaced with a new order with the correct conditions.

Once the order is firm, the customer is obliged to receive the goods and to pay their full amount, not being able to unilaterally cancel the same, which would be considered as a contractual breach. In such case, Termicol Energia Solar S.L. may demand the fulfilment and full payment of the order, with compensation for the damages that said breach would have caused. In no case, Termicol will issue an order, even if firm, if the customer has balances due on the day scheduled for shipment. The customer may request, in writing, the cancellation or modification of a firm order. Termicol will analyze the request and may reject or accept it under certain conditions, which will be sent to the customer to accept, before proceeding to manage the cancellation or modification of the order. In any case, Termicol reserves the right not to accept cancellations of orders when, in the case of individual manufacturing products, they are already in the process of production or when the shipment of the same has been made.

PURCHASE

GENERAL CONDITIONS

PRICES

R.P prices factory-set, with no taxes included. Consult discounts with the sales department.
Termicol reserves the right to modify prices by notifying well in advance, affecting orders that are not firm before the entry into force of the new rates. In case of price correction by errata or failure in our order management system, it reserves the right to re-invoice the products. The application of the current rate will always be linked to the date of order delivery and never to the receipt of the same.
For small orders, packaging costs could be invoiced.

SUPPY

The delivery courses contained in our order confirmations will be indicative, depending on the carrier time of delivery of the same.
Failure to comply with the delivery time will in no case cause any claim by the customer. If for the convenience of the customer, the delivery of the goods should be delayed, you must notify Termicol in writing. If the delay in delivery is accepted, after its manufacture has occurred, Termicol shall be entitled to invoice the material in accordance with the deliveries initially agreed.
If all or part of the material does not arrive under the conditions required by the customer, the customer may reject it provided that he/she follows the following steps:

1. Reflect the detected deficiency in the carrier's delivery note.
2. Photograph the merchandise.
3. Immediately inform Termicol by sending photos and copy of the carrier's delivery note.
4. Keeping the goods until the insurance company reports the need or not of inspection.

Once the material has been accepted unreservedly, Termicol is exempt, as the carrier, from any liability for damages that could be observed later, so it is essential to complete review the material upon receipt of the same.
The customer must ensure the accessibility of the transport to the unloading point, not being responsible for cost overruns or delays due to access difficulties.
Crane contracts are the responsibility of the customer, so Termicol will not be liable for any cost overruns that may cause possible delays in deliveries.
The risk of loss and/or damage is transmitted to the customer from the moment the shipment of the goods occurs.

PURCHASE
GENERAL CONDITIONS

PAYMENT

The terms of payment, form and conditions will be those agreed between Termicol and the customer and must be indicated in order to be firm. Under no circumstances may they contravene the provisions of the law of delinquency 15/2010.

In case of delay in payment or non-payment, the customer agrees that Termicol applies the legal interest of delay increased by two points, in addition to the commissions and expenses if any.

Failure to pay an invoice, or part of it, will mean the immediate cessation of shipment of pending goods.

As long as the customer has not fully paid the price and all amounts due as a result of the sale, the product supplied shall be deemed the property of Termicol, with all inherent rights.

DEVOLUTION

Goods devolution will not be accepted, but for exclusions upon prior authorization by Termicol and in accordance with its conditions.

The customer must send Termicol his request for return in writing, indicating the reason for the same. If accepted, Termicol will send the customer the return conditions, which in any case will include:

- Shipping of the goods by the customer.
- A 15% surcharge for management, handling, inspection and devolution costs.

Once the materials are received and provided that product and packaging are in the same initial conditions of departure, Termicol will issue a credit- note, discounting the surcharge and the cost of the one-way carrier if Termicol bore it.

Any return of material received that does not meet the conditions indicated will be rejected.

GENERAL CONDITIONS
GUARANTEES

REACH

The warranty exclusively covers replacement due to defects derived from the manufacture of the product and applies from the date of our invoice for the following periods:

Capturers: 10 YEARS.

Plastic solar panels: 5 YEARS.

Accumulators: 5 YEARS, except for vitrified wall and thermoelectric accumulators, whose guarantee is 3 years.

Electrical elements: 1 YEAR.

Other products: 2 YEARS.

In the event of replacement or repair under warranty, the product will enjoy a six-month warranty from that moment.

Repairs may only be carried out by companies or technicians duly authorized by Termicol,

so that any intervention by personnel outside Termicol, or without its prior authorization, will void the beneficiary's guarantee.

The commercial warranty for this product is:

Up to 6 months for the entire Spanish peninsula: covers the replacement of the product, including transport.

In the above cases, the costs of availability of the necessary means such as a crane or lifting system for the assembly or disassembly of the products are excluded.

The guarantee does not cover in any case the costs of uninstalling the products that are not subject to the application of the guarantee, in particular any cost of work, demolition or dismantling of products located in places that are not accessible or not accessible, nor the transport nor the installation of the new ones, as well as any expense or damage derived from the lack of use of the device during the time of repair or replacement.

The product to which the warranty applies will be replaced only in the event that it is not possible to repair it on site in the opinion of Termicol or an authorized company.

Termicol reserves the right to supply a different model to the product sold to meet accepted warranty claims, by way of replacement, in case the original model had left manufactured or technically equivalent in the opinion of Termicol.

REQUIREMENTS

Termicol must have received full payment for the product claimed.

The product must have been installed in an accessible location that allows its handling, installation, repair or replacement and without using extraordinary means of transport or lifting, and having respected the indications

of the technical manual supplied and the technical code of the building.

It must work with potable drinking water with the limits of values legally established according to RD 140/2003, of February 7, or regulations in force at all times, with the exception of the limit of the chloride content and the conductivity range of the water for the assumptions contained in the following clauses. Likewise, they must work with water with a hardness included in the ranges established in accordance with UNE 112076: 2004 IN for the prevention of corrosion in water circuits (between 6ºf and 15ºf), or regulations in force at all times.

Have complied with the revision and maintenance standards detailed in the respective technical manuals, and in particular:

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In the case of collectors: Use of the heat transfer fluid supplied by Termicol and justified on the invoice.
In the case of accumulators: Checks and replacements of the magnesium, justifying it with bills.

EXCLUSIONS

The following situations are excluded from this:

1. Accidents, use in mobile units, or negligent, improper and inappropriate use.
2. Do not comply with the installation, use and maintenance instructions set out in the technical manual of the product.
3. Due to incorrect installation not in accordance with current regulations or malfunction of the safety elements of the installation
4. Freezing, flooding, excessive winds, pests, actions of third parties or any other reasons outside normal operating conditions.
5. The aesthetics of the product shall not be considered as defects with the right to a warranty claim, unless they represent a decrease in its operation or in the performance specified in the technical or commercial documentation of Termicol.
6. If the products have not been stored properly, specifically the catchers, which should not be stored outdoors.
7. Damage caused by pressure values, in test or operation, of the primary circuit, higher than those specified by Termicol in the technical documentation, or by the use of water with composition values higher than those specified in the document linked to the QR code that can see at the end of this section.

For collectors:
Glass is excluded from the warranty from the time of delivery.
For tanks:
Galvanic corrosion due to the direct bonding, without dielectric sleeves, of metal elements other than the material of the tank (such as copper), in any connection thereof according to regulations.
By attaching inadequate elements not provided for in the instructions or regulations of A.C.S. installations to the tank.
By calcareous inlays, salts, sludge or any other type of dirt in the tank, in the heating coil, in the double envelope, or corrosions derived therefrom.
Impairments in the internal coating of the tank caused by mechanical aggressions, in or during installation, inspection and/or cleaning processes.

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PROCEDURE

Warranty rights may be claimed during the term established in each case and immediately upon detection. At the time of purchase, the customer must send a signed copy of the installation warranty certificate to Termicol.
The claim for a guarantee from any customer or user must proceed as follows:

1. Immediately and in writing inform the company that sold the product to you, if anymore, to Termicol customer service at e-mail: postventa@termicol.es
2. The communication shall be accompanied by a copy of the purchase invoice for the products complained of, as well as photos of the defective product containing the serial numbers and the maintenance book.
3. Upon receipt of such complaint, the Post-Sales Service Department shall proceed to its analysis, resolving its provenance or not, justifiably under the provisions of this warranty document, and informing the customer and the instructions to Follow. The cost of the service visit from the sixth month of guarantee will be borne by the customer.
4. The return of the products complained of may not be made without the prior written authorization of the after sales Department of Termicol.
5. Termicol reserves the right to prepare on-site reports of the claims received, in order to verify any aspects that may be relevant, so that the custome shall not modify the conditions of the installation that gave rise to the claim without the prior written consent of the Post-Sales Department.

RESPONSIBILITY

Termicol's liability arising from this warranty shall be limited to the obligations expressed above and, quantitatively, to the amount of the invoice paid by the customer for the purchase of the product complained of, remaining expressly excluded any liability for indirect damages such as, indicating illustratively, but not limited to: loss of production, loss of profit, cost of capital, costs of shutdowns, breakdowns or stops in the equipment supplied or in other equipment other than supply, deterioration or actions in equipment, systems and buildings of the buyer or third parties, accidents work, accidents and incidents against the environment, etc. that do not contravene the legal provisions applicable in each country product liability.
In particular, any provisions reflected in this guarantee which contravene the provisions of DR 1/2007 and Law 23/2003 transposing Community Directive 1990/44/EC and affecting those thermal solar collectors purchased for use in the territory of the European Union are exempt from apply.

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EXTRA INFORMATION AND QUERIES

For more information on specific warranties for our products and documents to be filled in to apply for them, please scan the QR codes below.

See our more specific warranty conditions for our products.

Document to fill out to request a product warranty.

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MENA

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+ 34 655 885 421

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Download our interactive catalog at:
www.termicol.com