

Catalogue 2022



New range of solar collectors and equipment
New solutions for DHW by the incorporation of
new aerothermal equipment
New production process
Heat Pump and Thermal solar integration
Heat pump technology
Technical advice and project support



SOLUTIONS

We are specialist manufacturers of 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.



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





PRODUCTS

▲ The widest range in solar thermal energy

▲ High efficiency and durability

▲ Approved and certified

▲ Up to 15 years warranty

COLLECTORS

SUPPORT
STRUCTURES

TERMOSYPHON
SYSTEMS

FORCED
SYSTEMS

AIR HEATERS

SOLAR HYBRID

STORAGE TANKS

ACCESSORIES

SWIMMING
POOLS

SALES

GUARANTEE



COLLECTORS



- ▲ Silver, Gold, Magnum, Gold Meandro and Platinum families, 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.

SILVER
FAMILY

GOLD
FAMILY

MAGNUM
FAMILY

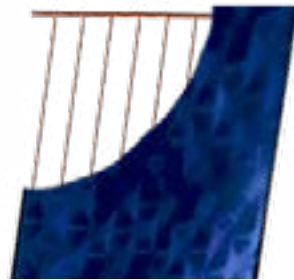
GOLD MEANDRO
FAMILY

FIXING ACCES-
SORIES

TECHNICAL SHEETS, MANUALS AND CERTIFICATES

SILVER

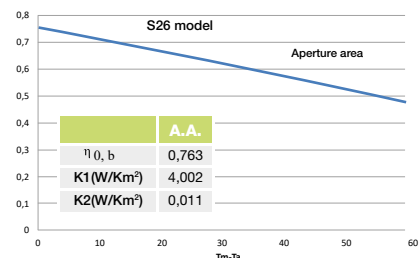
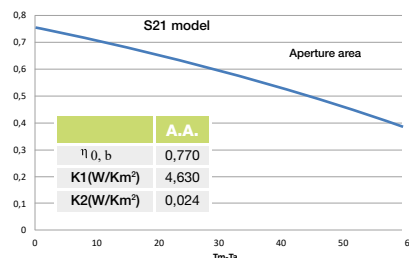
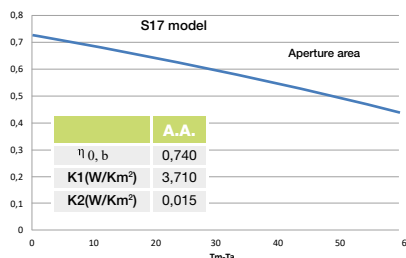
Family



- ▲ 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	509€	561€	651€	633€	703€





GOLD

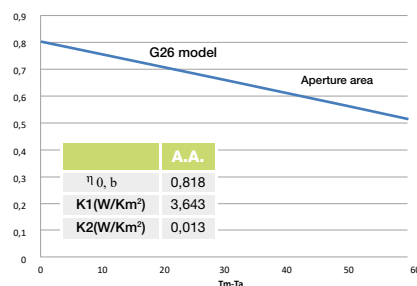
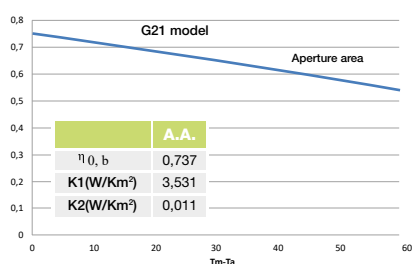
Family



- ▲ 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 (m²)	2,15	2,54	2,15	2,54
Aperture area (m²)	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	641€	729€	721€	814€





MAGNUM

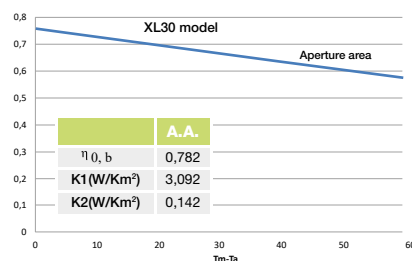
Family



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

TECHNICAL FEATURES

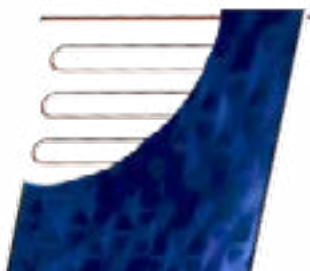
	Verticals	Horizontals
Models	XL30	XL30H
Length (mm)	2.300	1.239
Width (mm)	1.239	2.300
Thickness (mm)	101	101
Gross area (m ²)	2,85	2,85
Aperture area (m ²)	2,82	2,82
Empty weight (kg)	40,1	40,5
Capacity (L)	1,6	1,9
Peak power (Wp)	2.120	2.120
Frame	Aluminium	
Cover material	Tempered solar glass 3,2 mm	
Insulation	60 mm glass wool high density	
Reference	311AM30XL	311AM30XLH
RP	843€	957€





GOLD MEANDER

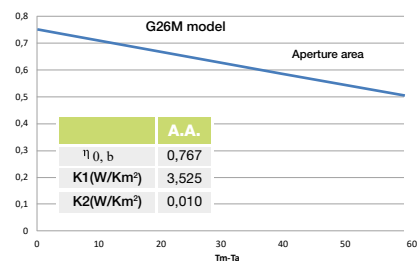
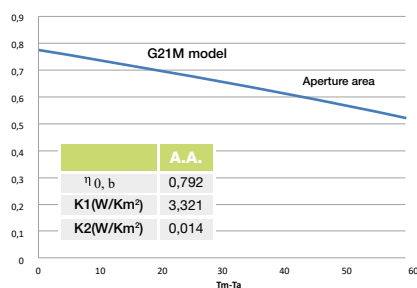
Family



- ▲ 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	807€	878€





CONNECTION

Fittings

CONNECTION FITTINGS

Connection fittings for collectors

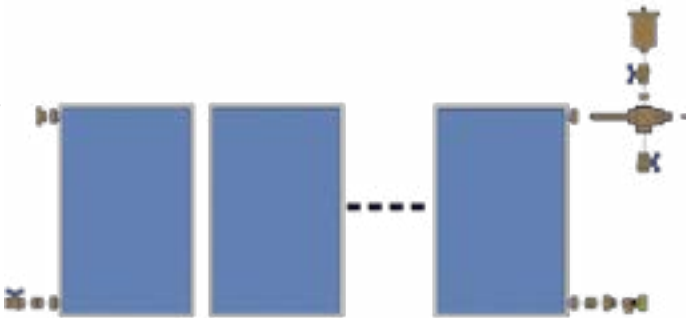
Number of fittings per array						
Number of Collectors	2	3	4	5	6	n
Required Fittings	2	4	6	8	10	2n-2



Model	Description	Reference	RP
Connector	Connection fittings for collectors	709TC1818	7€

COLLECTOR ARRAY CONNECTION (BATCAPT)

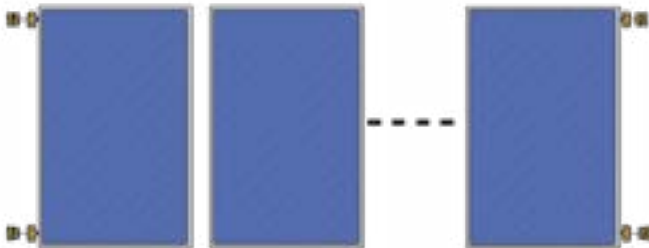
- Connection components required for the installation of collector array.
- Contains the purge, safety and closure systems necessary for proper assembly of the installation.



Model	Description	Reference	RP
Batcapt	Collector array connection	215BATCAP0	145€
Batcapt	3/4" collector array connection	215BATCAP034	170€

ADAPTATION FITTINGS (RACORBAT)

- Fittings for adaptation to the hydraulic circuit.



Model	Description	Reference	RP
Racorbat	Adaptation fittings	215RACBAT0	34€

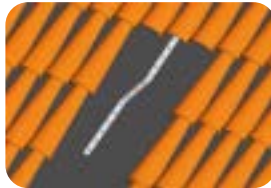




FIXING ACCESSORIES

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

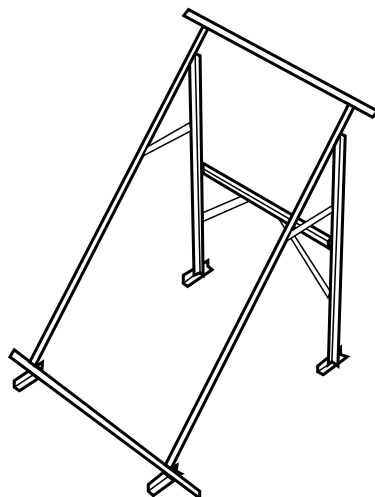
- ▲ Galvanized steel.
- ▲ Versatile fixtures.
- ▲ Robust.
- ▲ No roof tile drilling.





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.

GALVANIZED
STEEL

ALUMINIUM

TECHNICAL SHEETS, MANUALS AND CERTIFICATES

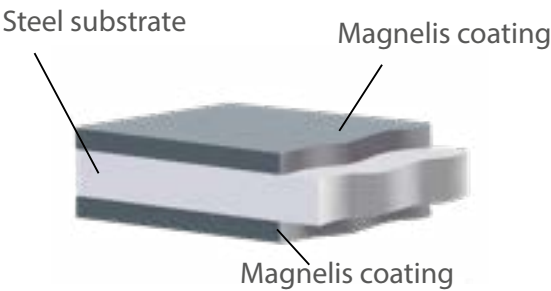




GALVANIZED STEEL

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	195 €
		2	451V12	223 €
		3	451V13	395 €
		4	451V14	457 €
		5	451V15	619 €
		6	451V16	666 €
	S26 G26 G26M	1	451V21	195 €
		2	451V22	235 €
		3	451V23	403 €
		4	451V24	473 €
		5	451V25	642 €
		6	451V26	688 €
HORIZONTAL	S21H G21H	1	451H11	158 €
		2	451H12	286 €
		3	451H13	431 €
	S26H G26H	1	451H21	164 €
		2	451H22	299 €
		3	451H23	454 €





GALVANIZED STEEL

MAGNUM FAMILY

Position	Collector	Units	Reference	RP
VERTICAL	MXL30	1	451V31	205 €
		2	451V32	245 €
		3	451V33	401 €
		4	451V34	498 €
		5	451V35	641 €
		6	451V36	709 €
HORIZONTAL	MXL30H	1	451H31	171 €
		2	451H32	300 €
		3	451H33	465 €

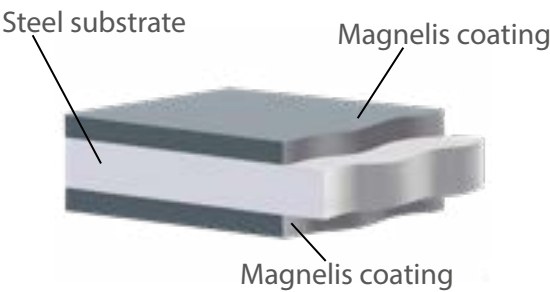




GALVANIZED STEEL

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	168 €
		2	452V12	189 €
		3	452V13	265 €
		4	452V14	381 €
		5	452V15	457 €
		6	452V16	533 €
	S26 G26 G26M	1	452V21	168 €
		2	452V22	195 €
		3	452V23	272 €
		4	452V24	397 €
		5	452V25	473 €
		6	452V26	549 €
HORIZONTAL	S21H G21H	1	452H11	138 €
		2	452H12	244 €
		3	452H13	374 €
	S26H G26H	1	452H21	141 €
		2	452H22	249 €
		3	452H23	374 €





GALVANIZED STEEL

FAMILY MAGNUM

Position	Collector	Units	Reference	RP
VERTICAL	MXL30	1	452V31	178 €
		2	452V32	205 €
		3	452V33	285 €
		4	452V34	417 €
		5	452V35	498 €
		6	452V36	577 €
HORIZONTAL	MXL30H	1	452H31	148 €
		2	452H32	257 €
		3	452H33	379 €

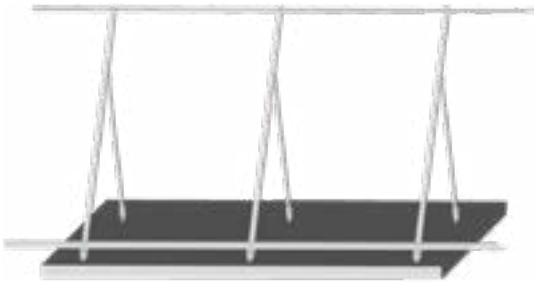




ALUMINIUM

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	411V11	380 €
		2	411V12	444 €
		3	411V13	663 €
		4	411V14	864 €
		5	411V15	1.089 €
		6	411V16	1.295 €
	S26 G26 G26M	1	411V21	380 €
		2	411V22	462 €
		3	411V23	677 €
		4	411V24	910 €
		5	411V25	1.133 €
		6	411V26	1.356 €
HORIZONTAL	S21H G21H	1	411H11	363 €
		2	411H12	610 €
		3	411H13	864 €
	S26H G26H	1	411H21	372 €
		2	411H22	627 €
		3	411H23	892 €





ALUMINIUM

FAMILY MAGNUM

Position	Collector	Units	Reference	RP
VERTICAL	MXL30	1	461V31	399 €
		2	461V32	485 €
		3	461V33	711 €
		4	461V34	955 €
		5	461V35	1.189 €
		6	461V36	1.424 €
HORIZONTAL	MXL30H	1	461H31	391 €
		2	461H32	658 €
		3	461H33	937 €





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

Position	Collector	Units	Without Anchor		Adjustable Anchor		Roof Hook	
			Reference	RP	Reference	RP	Reference	RP
VERTICAL	S21 G21 G21M	1	412NV11	103 €	412OV11	195 €	412SV11	306 €
		2	412NV12	156 €	412OV12	253 €	412SV12	359 €
		3	412NV13	227 €	412OV13	368 €	412SV13	535 €
		4	412NV14	310 €	412OV14	513 €	412SV14	736 €
		5	412NV15	380 €	412OV15	616 €	412SV15	900 €
		6	412NV16	429 €	412OV16	741 €	412SV16	1.061 €
	S26 G26 G26M	1	412NV21	103 €	412OV21	195 €	412SV21	306 €
		2	412NV22	172 €	412OV22	268 €	412SV22	379 €
		3	412NV23	265 €	412OV23	394 €	412SV23	578 €
		4	412NV24	340 €	412OV24	544 €	412SV24	778 €
		5	412NV25	424 €	412OV25	659 €	412SV25	971 €
		6	412NV26	499 €	412OV26	789 €	412SV26	1.152 €
HORIZONTAL	S21H G21H	1	412NH11	154 €	412OH11	240 €	412SH11	353 €
		2	412NH12	270 €	412OH12	413 €	412SH12	646 €
		3	412NH13	405 €	412OH13	582 €	412SH13	837 €
	S26H G26H	1	412NH21	160 €	412OH21	250 €	412SH21	353 €
		2	412NH22	282 €	412OH22	416 €	412SH22	646 €
		3	412NH23	405 €	412OH23	586 €	412SH23	837 €





ALUMINIUM

FAMILY MAGNUM

Position	Collector	Units	Without Anchor		Adjustable Anchor		Roof Hook	
			Reference	RP	Reference	RP	Reference	RP
VERTICAL	MXL30	1	462NV31	108 €	462OV31	205 €	462SV31	321 €
		2	462NV32	180 €	462OV32	282 €	462SV32	398 €
		3	462NV33	278 €	462OV33	414 €	462SV33	607 €
		4	462NV34	357 €	462OV34	571 €	462SV34	817 €
		5	462NV35	446 €	462OV35	692 €	462SV35	1.020 €
		6	462NV36	524 €	462OV36	828 €	462SV36	1.210 €
HORIZONTAL	MXL30H	1	462NH31	167 €	462OH31	262 €	462SH31	371 €
		2	462NH32	296 €	462OH32	437 €	462SH32	678 €
		3	462NH33	425 €	462OH33	616 €	462SH33	879 €



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.

FAMILY
SILVER A

FAMILY
SILVER B

FAMILY
GOLD A



CONNEXION
VIDEOS

FAMILY
GOLD B



ASSEMBLY
VIDEO

ACCESSORIES
THERMOSYPHON

MAINTENANCE

TECHNICAL SHEETS, MANUALS AND CERTIFICATES



FAMILY SILVER A



CHARACTERISTICS

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

COMPONENTS

- ▲ 1 or 2 collectors
- ▲ 1 Storage tanks
- ▲ 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
S150A	S21 x1	2,03	2,14	511A1501S21	1.686 €
S150ACI	S21 x 1	2,03	2,14	511A1501S21CI	1.686 €

200 liters units (3/4 users)

Model	Collector	Net Area	Gross Area	Reference	RP
S200AX	S21 x1	2,03	2,14	511A2001S21	1.863 €
S200A	S26 x1	2,44	2,55	511A2001S26	2.010 €
S200AM	S17 x2	3,34	3,42	511A2002S17	2.368 €
S200AXCI*	S21 x1	2,03	2,14	511A2001S21CI	1.863 €
S200ACI*	S26 x1	2,44	2,55	511A2001S26CI	2.010 €
S200AMCI*	S17 x2	3,34	3,42	511A2002S17CI	2.368 €

300 liters unit (5/6 users)

Model	Collector	Net Area	Gross Area	Reference	RP
S300AX	S17 x2	3,34	3,42	511A3002S17	2.616 €
S300A	S21 x2	4,06	4,28	511A3002S21	2.700 €
S300AXCI*	S17 x2	3,34	3,42	511A3002S17CI	2.616 €
S300ACI*	S21 x2	4,06	4,28	511A3002S21CI	2.700 €



CENER
ADITECH

CENTRO NACIONAL DE
ENERGÍAS RENOVABLES





FAMILY SILVER B



CHARACTERISTICS

- ▲ Low tank: Better appearance, 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	1.643 €
S150B	S21 x1	2,03	2,14	511B1501S21	1.686 €

200 liters units (3/4 users)

Model	Collector	Net Area	Gross Area	Reference	RP
S200BX	S21 x1	2,03	2,14	511B2001S21	1.863 €
S200B	S26 x1	2,44	2,55	511B2001S26	2.010 €
S200BM	S17 x2	3,34	3,42	511B2002S17	2.368 €

Position	Model	Collector	Net Area	Gross Area	Reference	RP
Horizontal	S200BH	S26H x1	2,55	2,44	511B2001S26H	2.013 €

300 liters unit (5/6 users)

Model	Collector	Net Area	Gross Area	Reference	RP
S300BX	S17 x2	3,34	3,42	511B3002S17	2.616 €
S300B	S21 x2	4,06	4,28	511B3002S21	2.700 €





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	1.766 €
G150ACI*	G21 x1	2,02	2,15	511A1501G21CI	1.766 €

200 liters unit (3/4 users)

Model	Collector	Net Area	Gross Area	Reference	RP
G200AX	G21 x1	2,02	2,15	511A2001G21	1.943 €
G200A	G26 x1	2,44	2,54	511A2001G26	2.074 €
G200AXCI*	G21 x1	2,02	2,15	511A2001G21CI	1.943 €
G200ACI*	G26 x1	2,44	2,54	511A2001G26CI	2.074 €

300 liters unit (5/6 users)

Model	Collector	Net Area	Gross Area	Reference	RP
G300A	G21 x2	4,04	4,30	511A3002G21	2.861 €
G300ACI*	G21 x2	4,04	4,30	511A3002G21CI	2.861 €





FAMILY GOLD B



CHARACTERISTICS

- ▲ Low tank: Better appearance 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	1.766 €

200 liters units (3/4 users)

Position	Model	Collector	Net Area	Gross Area	Reference	RP
	G200BX	G21 x1	2,02	2,15	511B2001G21	1.943 €
	G200B	G26 x1	2,44	2,54	511B2001G26	2.074 €

Position	Model	Collector	Net Area	Gross Area	Reference	RP
Horizontal	G200BH	G26H x1	2,44	2,54	511B2001G26H	2.110 €

300 liters unit (5/6 users)

Model	Collector	Net Area	Gross Area	Reference	RP
G300B	G21 x2	4,04	4,30	511B3002G21	2.861 €



CENER
ADITECH

CENTRO NACIONAL DE
ENERGÍAS RENOVABLES





ACCESSORIES

TERMOSYPHON

DOUBLE-JACKET ENAMELED HORIZONTAL STORAGE TANKS



Model	Capacity (liters)	Exterior protection	Reference	RP
ATK150I	150	Galvanized and lacquered steel	601K0150	1.052 €
ATK200I	200		601K0200	1.219 €
ATK300I	300		601K0300	1.616 €

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	112 €

OTHER ACCESSORIES

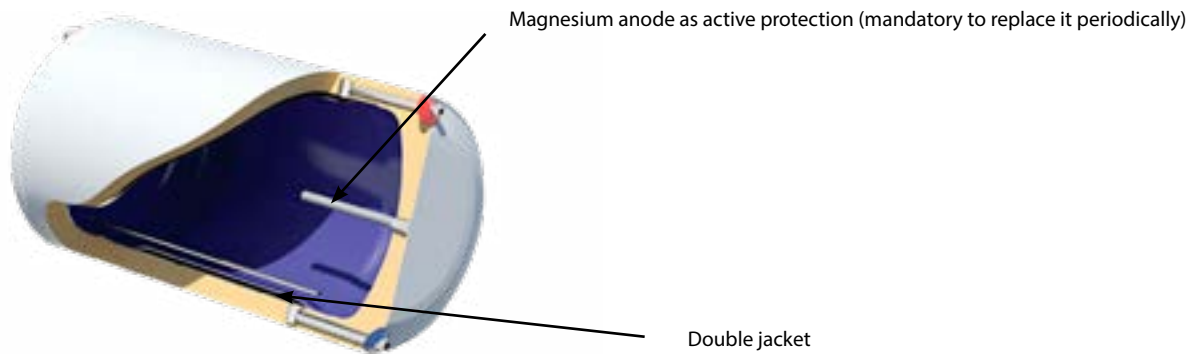
Description	Reference	RP
DN15 energy meter	703COWME	365 €
Controller 1 probe	703C6CTC01	219 €
Single-phase 2 kW electrical kit	711KT2000M	57 €
Single-phase 3 kW electrical kit	711KT3000M	64 €
Magnesium anode 1 1/4" D33-310mm	714KAM114L31	55 €
2 L Antifreeze concentrate	707CGF0002	34 €
5 L Antifreeze concentrate	707CGF0005	85 €
10 L Antifreeze concentrate	707CGF0010	170 €



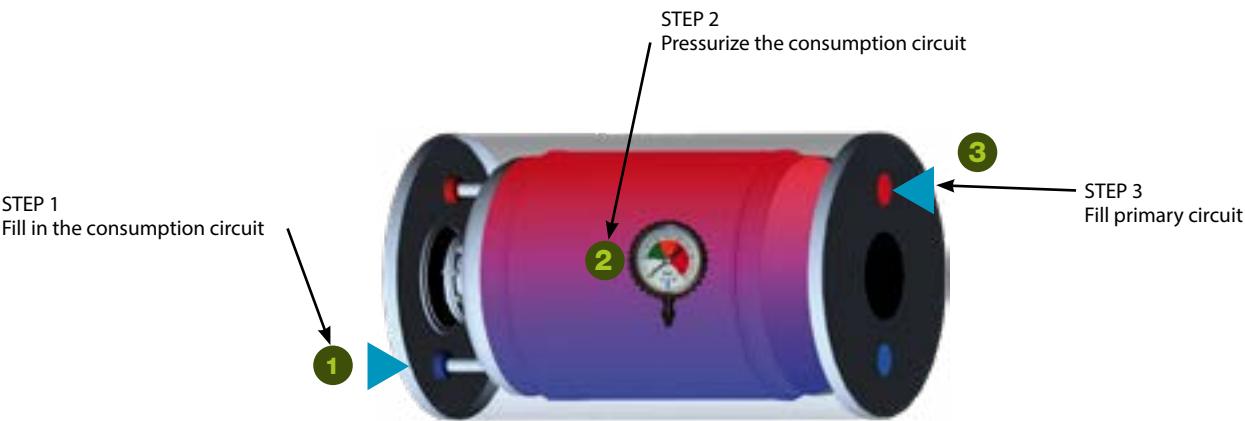


MAINTENANCE

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.

DRAINBACK

FORCED
SYSTEMS

TECHNICAL SHEETS, MANUALS AND CERTIFICATES





SYSTEMS DRAINBACK



CHARACTERISTICS

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

From 120 to 1000 liters

COMPONENTS

- TERMICOL solar collectors.
- Support frame in Magnelis steel.
- Storage tank in enamelled or stainless steel 444
- Middle vessel.
- Valves and connection accessories.
- Pumping and regulation system.
- Antifreeze fluid.
- Magnesium anode.

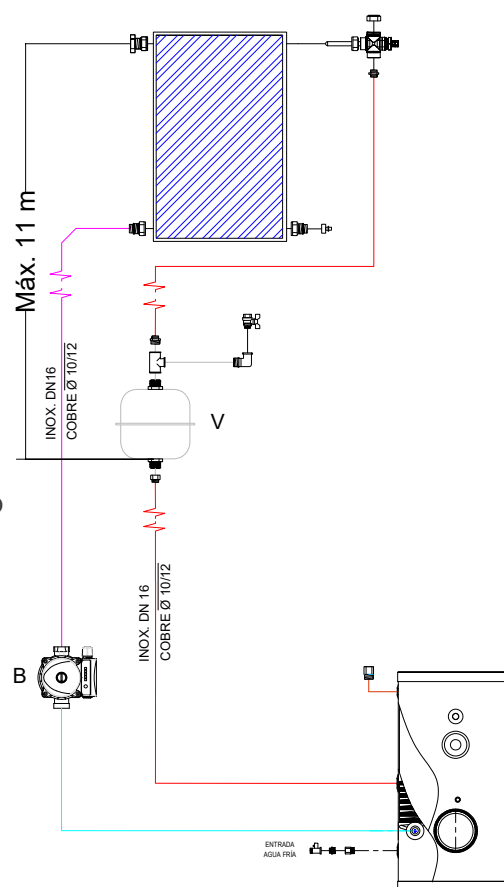


HYDRAULIC CIRCUIT CHARACTERISTICS

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	2.474 €
150	S21H	582DK1511S21HGP	582DK1511S21HGI	2.495 €
150	G21	582DK1511G21VGP	582DK1511G21VGI	2.515 €
150	G21H	582DK1511G21HGP	582DK1511G21HGI	2.537 €
150	G21M	582DK1511G21MVGP	582DK1511G21MVGI	2.621 €
200	S21	582DK2011S21VGP	582DK2011S21VGI	2.605 €
200	S26	582DK2011S26VGP	582DK2011S26VGI	2.679 €
200	S26H	582DK2011S26HGP	582DK2011S26HGI	2.700 €
200	G21	582DK2011G21VGP	582DK2011G21VGI	2.646 €
200	G26	582DK2011G26VGP	582DK2011G26VGI	2.713 €
200	G21M	582DK2011G21MVGP	582DK2011G21MVGI	2.751 €
200	G26M	582DK2011G26MVGP	582DK2011G26MVGI	2.818 €
200	2*S17	582DK2012S17VGP	582DK2012S17VGI	2.974 €
300	2*S17	582DK3012S17VGP	582DK3012S17VGI	3.266 €
300	2*S21	582DK3012S21VGP	582DK3012S21VGI	3.370 €
300	2*G21	582DK3012G21VGP	582DK3012G21VGI	3.451 €
300	2*G21M	582DK3012G21MVGP	582DK3012G21MVGI	3.662 €
500	3*S21	582DK5013S21VGP	582DK5013S21VGI	4.511 €
500	3*G21	582DK5013G21VGP	582DK5013G21VGI	4.632 €
500	4*S21	582DK5014S21VGP	582DK5014S21VGI	5.085 €
500	4*G21	582DK5014G21VGP	582DK5014G21VGI	5.247 €
800	4*S26	582DK8014S26VGP	582DK8014S26VGI	6.741 €
800	4*G26	582DK5014G26VGP	582DK8014G26VGI	6.884 €
800	5*S26	582DK8015S26VGP	582DK8015S26VGI	7.532 €
800	5*G26	582DK8015G26VGP	582DK8015G26VGI	7.710 €
1000	5*S26	582DK9015S26VGP	582DK9015S26VGI	8.470 €
1000	5*G26	582DK9015G26VGP	582DK9015G26VGI	8.648 €
1000	6*S26	582DK9016S26VGP	582DK9016S26VGI	9.139 €
1000	6*G26	582DK9016G26VGP	582DK9016G26VGI	9.352 €

SINGLE COIL WALL MOUNTED SYSTEM

Liters	Collector	Ref. Flat Roof	Ref. Tiled Roof	RP
120	S21	582DM1211S21VGP	582DM1211S21VGI	2.134 €
150	S21	582DM1511S21VGP	582DM1511S21VGI	2.190 €
200	S21	582DM2011S21VGP	582DM2011S21VGI	2.399 €
200	S26	582DM2011S26VGP	582DM2011S26VGI	2.475 €





ENAMELLED STEEL SYSTEMS

DRAINBACK

DOUBLE COIL SYSTEM

Liters	Collector	Ref. Flat Roof	Ref. Tiled Roof	RP
200	S21	582DK2021S21VGP	582DK2021S21VGI	2.676 €
200	S26	582DK2021S26VGP	582DK2021S26VGI	2.749 €
200	S26H	582DK2021S26HGP	582DK2021S26HGI	2.771 €
200	G21	582DK2021G21VGP	582DK2021G21VGI	2.716 €
200	G26	582DK2021G26VGP	582DK2021G26VGI	2.784 €
200	G21M	582DK2021G21MVGP	582DK2021G21MVGI	2.822 €
200	G26M	582DK2021G26MVGP	582DK2021G26MVGI	2.888 €
200	2*S17	582DK2022S17VGP	582DK2022S17VGI	3.177 €
300	2*S17	582DK3022S17VGP	582DK3022S17VGP	3.277 €
300	2*S21	582DK3022S21VGP	582DK3022S21VGI	3.536 €
300	2*G21	582DK3022G21VGP	582DK3022G21VGI	3.617 €
300	2*G21M	582DK3022G21MVGP	582DK3022G21MVGI	3.828 €
500	3*S21	582DK5023S21VGP	582DK5023S21VGI	4.717 €
500	3*G21	582DK5023G21VGP	582DK5023G21VGI	4.839 €
500	4*S21	582DK5024S21VGP	582DK5024S21VGI	5.292 €
500	4*G21	582DK5024G21VGP	582DK5024G21VGI	5.453 €
800	4*S26	582DK8024S26VGP	582DK8024S26VGI	7.009 €
800	4*G26	582DK5024G26VGP	582DK8024G26VGI	7.151 €
800	5*S26	582DK8025S26VGP	582DK8025S26VGI	7.800 €
800	5*G26	582DK8025G26VGP	582DK8025G26VGI	7.977 €
1000	5*S26	582DK9025S26VGP	582DK9025S26VGI	8.655 €
1000	5*G26	582DK9025G26VGP	582DK9025G26VGI	8.833 €
1000	6*S26	582DK9026S26VGP	582DK9026S26VGI	9.324 €
1000	6*G26	582DK9026G26VGP	582DK9026G26VGI	9.538 €





STAINLESS STEEL 444 SYSTEMS

DRAINBACK

SINGLE COIL FLOOR MOUNTED SYSTEM

Liters	Collector	Ref. Flat Roof	Ref. Tiled Roof	RP
150	S21	583DX1511S21VGP	583DX1511S21VGI	2.850 €
150	S21H	583DX1511S21HGP	583DX1511S21HGI	2.874 €
150	G21	583DX1511G21VGP	583DX1511G21VGI	2.896 €
150	G21H	583DX1511G21HGP	583DX1511G21HGI	2.922 €
150	G21M	583DX1511G21MVGP	583DX1511G21MVGI	3.018 €
200	S21	583DX2011S21VGP	583DX2011S21VGI	3.000 €
200	S26	583DX2011S26VGP	583DX2011S26VGI	3.085 €
200	S26H	583DX2011S26HGP	583DX2011S26HGI	3.110 €
200	G21	583DX2011G21VGP	583DX2011G21VGI	3.047 €
200	G26	583DX2011G26VGP	583DX2011G26VGI	3.125 €
200	G21M	583DX2011G21MVGP	583DX2011G21MVGI	3.169 €
200	G26M	583DX2011G26MVGP	583DX2011G26MVGI	3.245 €
200	2*S17	583DX2012S17VGP	583DX2012S17VGI	3.480 €
300	2*S17	583DX3012S17VGP	583DX3012S17VGI	3.701 €
300	2*S21	583DX3012S21VGP	583DX3012S21VGI	3.881 €
300	2*G21	583DX3012G21VGP	583DX3012G21VGI	3.974 €
300	2*G21M	583DX3012G21MVGP	583DX3012G21MVGI	4.217 €

DOUBLE COIL SYSTEM

Liters	Collector	Ref. Flat Roof	Ref. Tiled Roof	RP
200	S21	583DX2021S21VGP	583DX2021S21VGI	3.082 €
200	S26	583DX2021S26VGP	583DX2021S26VGI	3.166 €
200	S26H	583DX2021S26HGP	583DX2021S26HGI	3.191 €
200	G21	583DX2021G21VGP	583DX2021G21VGI	3.128 €
200	G26	583DX2021G26VGP	583DX2021G26VGI	3.206 €
200	G21M	583DX2021G21MVGP	583DX2021G21MVGI	3.250 €
200	G26M	583DX2021G26MVGP	583DX2021G26MVGI	3.326 €
200	2*S17	583DX2022S17VGP	583DX2022S17VGI	3.561 €
300	2*S17	583DX3022S17VGP	583DX3022S17VGI	3.968 €
300	2*S21	583DX3022S21VGP	583DX3022S21VGI	4.072 €
300	2*G21	583DX3022G21VGP	583DX3022G21VGI	4.165 €
300	2*G21M	583DX3022G21MVGP	583DX3022G21MVGI	4.409 €



SYSTEMS FORCED

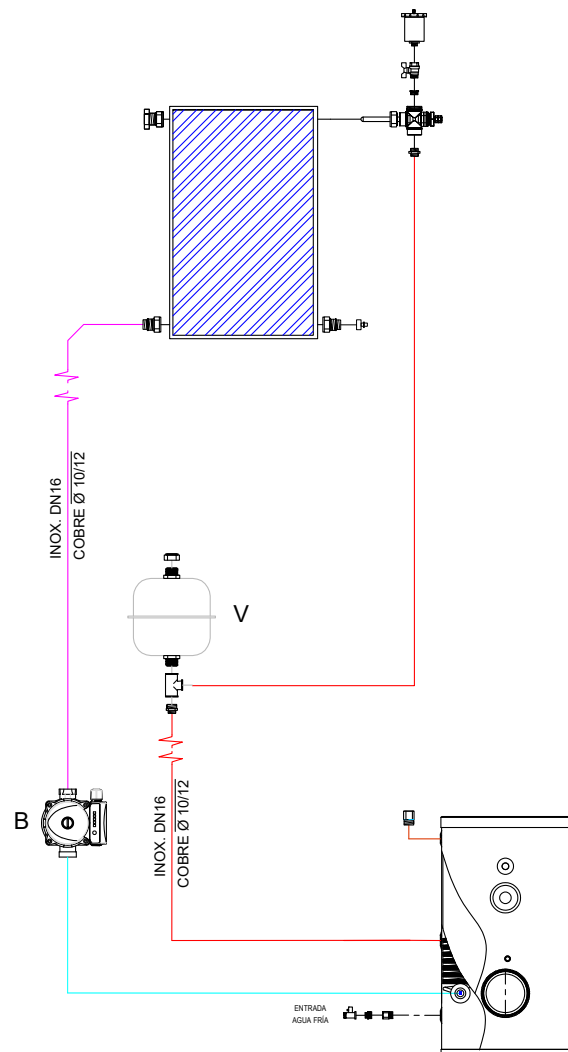


CHARACTERISTICS

- ▲ Large surface coil or double coil
- ▲ Floor or wall mounting
- ▲ With all its components ready to install
- ▲ From 100 to 1000 liters

COMPONENTS

- ▲ TERMICOL solar collectors.
- ▲ Support frame in Magnelis steel.
- ▲ Storage tank in enamelled or stainless steel 444
- ▲ 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	2.592 €
150	S21H	582FK1511S21HGP	582FK1511S21HGI	2.614 €
150	G21	582FK1511G21VGP	582FK1511G21VGI	2.634 €
150	G21H	582FK1511G21HGP	582FK1511G21HGI	2.657 €
150	G21M	582FK1511G21MVGP	582FK1511G21MVGI	2.743 €
200	S21	582FK2011S21VGP	582FK2011S21VGI	2.728 €
200	S26	582FK2011S26VGP	582FK2011S26VGI	2.803 €
200	S26H	582FK2011S26HGP	582FK2011S26HGI	2.826 €
200	G21	582FK2011G21VGP	582FK2011G21VGI	2.769 €
200	G26	582FK2011G26VGP	582FK2011G26VGI	2.840 €
200	G21M	582FK2011G21MVGP	582FK2011G21MVGI	2.879 €
200	G26M	582FK2011G26MVGP	582FK2011G26MVGI	2.948 €
200	2*S17	582FK2012S17VGP	582FK2012S17VGI	3.116 €
300	2*S17	582FK3012S17VGP	582FK3012S17VGI	3.408 €
300	2*S21	582FK3012S21VGP	582FK3012S21VGI	3.512 €
300	2*G21	582FK3012G21VGP	582FK3012G21VGI	3.604 €
300	2*G21M	582FK3012G21MVGP	582FK3012G21MVGI	3.824 €
500	3*S21	582FK5013S21VGP	582FK5013S21VGI	4.704 €
500	3*G21	582FK5013G21VGP	582FK5013G21VGI	4.829 €
500	4*S21	582FK5014S21VGP	582FK5014S21VGI	5.299 €
500	4*G21	582FK5014G21VGP	582FK5014G21VGI	5.467 €
800	4*S26	582FK8014S26VGP	582FK8014S26VGI	7.017 €
800	4*G26	582FK8014G26VGP	582FK8014G26VGI	7.164 €
800	5*S26	582FK8015S26VGP	582FK8015S26VGI	7.837 €
800	5*G26	582FK8015G26VGP	582FK8015G26VGI	8.021 €
1000	5*S26	582FK9015S26VGP	582FK9015S26VGI	8.809 €
1000	5*G26	582FK9015G26VGP	582FK9015G26VGI	8.994 €
1000	6*S26	582FK9016S26VGP	582FK9016S26VGI	9.503 €
1000	6*G26	582FK9016G26VGP	582FK9016G26VGI	9.725 €

SINGLE COIL WALL MOUNTED SYSTEM

Liters	Collector	Ref. Flat Roof	Ref. Tiled Roof	RP
120	S21	582FM1211S21VGP	582FM1211S21VGI	2.240 €
150	S21	582FM1511S21VGP	582FM1511S21VGI	2.297 €
200	S21	582FM2011S21VGP	582FM2011S21VGI	2.515 €
200	S26	582FM2011S26VGP	582FM2011S26VGI	2.594 €





ENAMELLED STEEL SYSTEMS

FORCED

DOUBLE COIL SYSTEM

Liters	Collector	Ref. Flat Roof	Ref. Tiled Roof	RP
200	S21	582FK2021S21VGP	582FK2021S21VGI	2.801 €
200	S26	582FK2021S26VGP	582FK2021S26VGI	2.877 €
200	S26H	582FK2021S26HGP	582FK2021S26HGI	2.899 €
200	G21	582FK2021G21VGP	582FK2021G21VGI	2.843 €
200	G26	582FK2021G26VGP	582FK2021G26VGI	2.913 €
200	G21M	582FK2021G21MVGP	582FK2021G21MVGI	2.952 €
200	G26M	582FK2021G26MVGP	582FK2021G26MVGI	3.021 €
200	2*S17	582FK2022S17VGP	582FK2022S17VGI	3.280 €
300	2*S17	582FK3022S17VGP	582FK3022S17VGI	3.589 €
300	2*S21	582FK3022S21VGP	582FK3022S21VGI	3.693 €
300	2*G21	582FK3022G21VGP	582FK3022G21VGI	3.777 €
300	2*G21M	582FK3022G21MVGP	582FK3022G21MVGI	3.996 €
500	3*S21	582FK5023S21VGP	582FK5023S21VGI	4.918 €
500	3*G21	582FK5023G21VGP	582FK5023G21VGI	5.043 €
500	4*S21	582FK5024S21VGP	582FK5024S21VGI	5.513 €
500	4*G21	582FK5024G21VGP	582FK5024G21VGI	5.681 €
800	4*S26	582FK8024S26VGP	582FK8024S26VGI	7.294 €
800	4*G26	582FK8024G26VGP	582FK8024G26VGI	7.442 €
800	5*S26	582FK8025S26VGP	582FK8025S26VGI	8.114 €
800	5*G26	582FK8025G26VGP	582FK8025G26VGI	8.299 €
1000	5*S26	582FK9025S26VGP	582FK9025S26VGI	9.002 €
1000	5*G26	582FK9025G26VGP	582FK9025G26VGI	9.186 €
1000	6*S26	582FK9026S26VGP	582FK9026S26VGI	9.695 €
1000	6*G26	582FK9026G26VGP	582FK9026G26VGI	9.917 €





STAINLESS STEEL 444 SYSTEMS

FORCED

SINGLE COIL FLOOR MOUNTED SYSTEM

Liters	Collector	Ref. Flat Roof	Ref. Tiled Roof	RP
150	S21	582FX1511S21VGP	582FX1511S21VGI	2.878 €
150	S21H	582FX1511S21HGP	582FX1511S21HGI	2.902 €
150	G21	582FX1511G21VGP	582FX1511G21VGI	2.925 €
150	G21H	582FX1511G21HGP	582FX1511G21HGI	2.950 €
150	G21M	582FX1511G21MVGP	582FX1511G21MVGI	3.046 €
200	S21	582FX2011S21VGP	582FX2011S21VGI	3.029 €
200	S26	582FX2011S26VGP	582FX2011S26VGI	3.113 €
200	S26H	582FX2011S26HGP	582FX2011S26HGI	3.138 €
200	G21	582FX2011G21VGP	582FX2011G21VGI	3.075 €
200	G26	582FX2011G26VGP	582FX2011G26VGI	3.153 €
200	G21M	582FX2011G21MVGP	582FX2011G21MVGI	3.197 €
200	G26M	582FX2011G26MVGP	582FX2011G26MVGI	3.274 €
200	2*S17	582FX2012S17VGP	582FX2012S17VGI	3.508 €
300	2*S17	582FX3012S17VGP	582FX3012S17VGPI	3.729 €
300	2*S21	582FX3012S21VGP	582FX3012S21VGI	3.909 €
300	2*G21	582FX3012G21VGP	582FX3012G21VGI	4.003 €
300	2*G21M	582FX3012G21MVGP	582FX3012G21MVGI	4.246 €

DOUBLE COIL SYSTEM

Liters	Collector	Ref. Flat Roof	Ref. Tiled Roof	RP
200	S21	582FX2021S21VGP	582FX2021S21VGI	3.110 €
200	S26	582FX2021S26VGP	582FX2021S26VGI	3.194 €
200	S26H	582FX2021S26HGP	582FX2021S26HGI	3.219 €
200	G21	582FX2021G21VGP	582FX2021G21VGI	3.157 €
200	G26	582FX2021G26VGP	582FX2021G26VGI	3.234 €
200	G21M	582FX2021G21MVGP	582FX2021G21MVGI	3.278 €
200	G26M	582FX2021G26MVGP	582FX2021G26MVGI	3.355 €
200	2*S17	582FX2022S17VGP	582FX2022S17VGI	3.589 €
300	2*S17	582FX3022S17VGP	582FX3022S17VGI	3.997 €
300	2*S21	582FX3022S21VGP	582FX3022S21VGI	4.101 €
300	2*G21	582FX3022G21VGP	582FX3022G21VGI	4.194 €
300	2*G21M	582FX3022G21MVGP	582FX3022G21MVGI	4.437 €





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.

TERMICOL
HEAT PUMP
MURAL

TERMICOL
HEAT PUMP

TERMICOL
HEAT PUMP
PLUS

TERMICOL
HEAT
EXCHANGER

HYBRIDABLE
WITH
PHOTOVOLTAIC

TECHNICAL SHEETS, MANUALS AND CERTIFICATES





AEROTHERMAL ENERGY FOR DHW

HEAT PUMP MURAL

100, 130L



- ▲ Insulation guaranty minimal heat loss.
- ▲ Standard recirculation connection.
- ▲ Easy installation and access: very similar to electric heaters.
- ▲ Duplex stainless steel tank 2205 or Inox. 444
- ▲ Intelligent controller with 3 operation modes.
- ▲ Anti-legionella disinfection.
- ▲ 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	Installation	Energy class	Sound level (dB) **	RP
THP100M444	650HP100M444	Mural	A+	36	2.695 €
THP130M444	650HP130M444				2.745 €

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

DUPLEX STAINLESS-STEEL TANK 2205

Model	Reference	Installation	Energy class	Sound level (dB) *	RP
THP100	650HP100	Mural	A+	36	2.833 €
THP130	650HP130				2.870 €

* 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

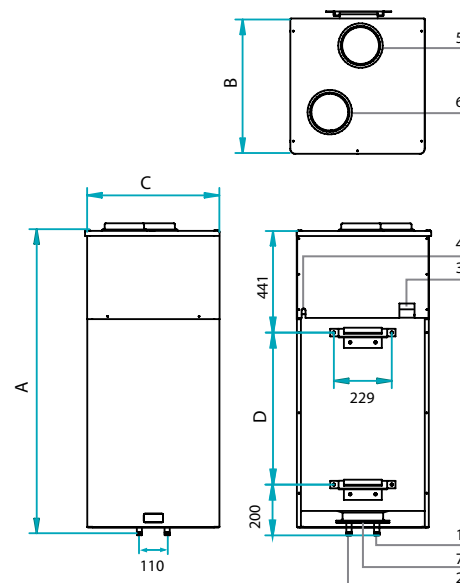


DIMENSIONS AND SCHEME

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 preasure	bar	70	70
SCOP at 7°C	-	2,5	2,5
SCOP at 14°C	-	3,29	3,24
Recovery time (14°C/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	°C	55	55
Ambient Temperatura range	°C	-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	°C	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

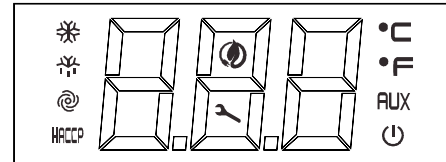


CIRCUITS AND CONNECTIONS

Refrigeration system	Description	Connections	Size
Compressor	Rotative	Water inlet/outlet (in)	1/2
Refrigerant	R134a	Air inlet/outlet (mm)	160
Evaporator	Copper tube and aluminium fins	Condensate output (in)	1/2
Condenser	Aluminium 3000 Series		

ADVANCED CONTROLLER

- 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	163 €





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 65°C 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	Installation	Energy class	Sound level (dB) *	RP
THPT200	650HPT200	Floor	A+	31	3.197 €
THPT260	650HPT260				3.277 €
THPT200S*	650HPT200S				3.277 €
THPT260S*	650HPT260S				3.358 €

* 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}

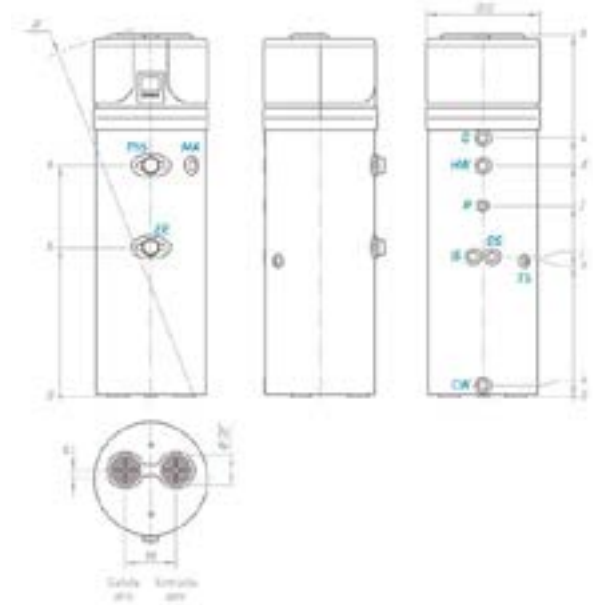


DIMENSIONS AND SCHEME

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
Maximum working pressure	bar	8	8	8	8
SCOP at 7°C *	-	2,8	2,8	3	3
SCOP at 14°C **	-	3,1	3,1	3,4	3,4
Nominal power at 7°C	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	°C	65			
Maximum water temperature with resistance	°C	75			
Power supply (frequency)	V (Hz)	1 / N / 230 (50)			
Electric resistance power	W	1.500			
Insulation type	-	PU			
Average insulation thickness	cm	5			
Maximum 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 CONTROLLER

- ▲ 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 25°C, 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



- ▲ 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 disinfection.
- ▲ 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.



Model	Reference	Installation	Energy class	Sound level (dB) **	RP
THP160	650HP160	Floor	A	40	3.133 €
THP200	650HP200				3.391 €
THP260	650HP260				3.571 €
THP200S*	650HP200S				3.765 €
THP260S*	650HP260S				3.931 €

* Equipment with coil.

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





AEROTHERMAL ENERGY FOR DHW

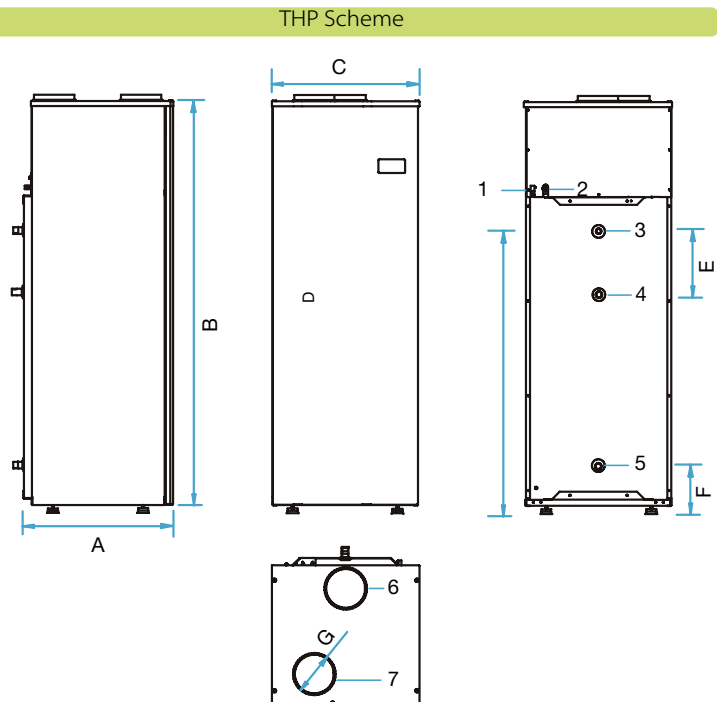
HEAT PUMP PLUS

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	THP160	THP200	THP260
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



TECHNICAL FEATURES

Technical data	Units	THP160	THP200	THP260
Nominal capacity	L	160	200	260
Maximum operating preassure	bar	6	6	6
SCOP a 7°C *	-	2,56	2,57	2,64
SCOP a 14°C **	-	2,85	2,98	3,04
Thermal power range (7°C - 14°C)	W	1.464 - 1.820		
Power consumption range (7°C - 14°C)	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	°C	55		
Maximum water temperature with resistance	°C	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	Connections	Size
Compressor	Rotative	Water inlet/outlet (in)	3/4
Refrigerant	R134a	Air inlet/outlet (mm)	160
Evaporator	Copper tube and aluminium fins	Condensate output (in)	1/2
Condenser	Aluminium 3000 Series		

ADVANCED CONTROLLER

- ▲ 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	163 €





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 disinfection.
- ▲ 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.



Model	Reference	Installation	Energy class	Sound level (dB) **	RP
THP500	650HP500	Floor	A	41	6.583 €
THP500S*	650HP500S				7.498 €

* Equipment with coil.

** 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	THP500 Scheme	
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

TECHNICAL FEATURES

Technical data	Units	Value
Nominal capacity	L	500
Maximum operating preassure	bar	6
SCOP a 7°C *	-	2,52
SCOP a 14°C **	-	2,97
Thermal power range (7°C - 14°C)	W	3.122 - 3.907
Power consumption range (7°C - 14°C)	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	°C	55
Maximum water temperature with resistance	°C	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

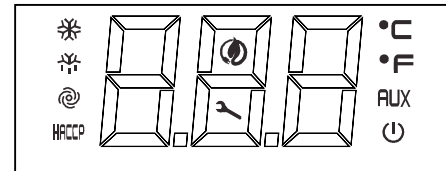
500L

CIRCUIT AND CONNECTION

Refrigeration system	Description	Connections	Value
Compressor	Rotative	Water inlet/outlet (in)	1
Refrigerant	R134a	Air inlet/outlet (mm)	160
Evaporator	Copper tube and aluminium fins	Condensate output (in)	1/2
Condenser	Aluminium 3000 Series		

ADVANCED CONTROLLER

- ▲ Touch screen controller.
 - ▲ Prepared for connection with photovoltaic installations.
 - ▲ Automatic Anti-Legionella Desinfection.
 - ▲ Automatic defrost when the evaporator is frozen.
 - ▲ Alarms:
 - Low pressure, high pressure.
 - High operating temperature.
 - Temperature probe.
 - ▲ Battery failure.
- It incorporates 3 operating modes:
- Eco: heat pump only operating mode.
 - Auto: the combination of heat pump and electrical 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	163 €





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 55°C 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	Installation	Energy class	Sound level (dB)*	RP
THX5	651HP05	Floor / Mural	A	40	2.551 €
THX10	651HP10			41	3.836 €

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





AEROTHERMAL ENERGY FOR DHW

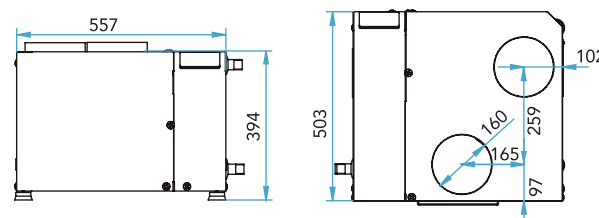
HEATEXCHANGER

THX5, THX10

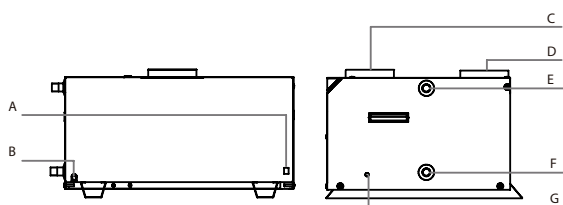
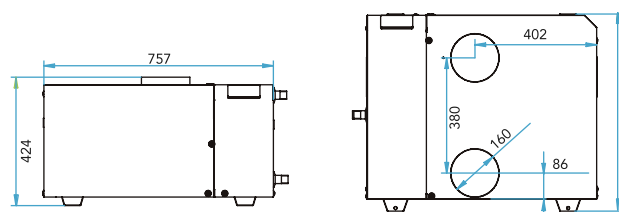
DIMENSIONS AND SCHEME

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 7°C *	-	2,54	2,87
SCOP a 14°C **	-	2,91	3,01
Thermal power range (7°C - 14°C)	W	1.464 - 1.820	3.122 - 3.907
Power consumption range (7°C - 14°C)	W	464 - 493	1.082 - 1.145
Maximum consumption	W	635	1.200
Maximum water temperature at the outlet	°C	55	55
Power supply	V / ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
Load	g	950	1.285
Airflow	m ³ / h	350 - 450	700
Minimum air temperature	°C	-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

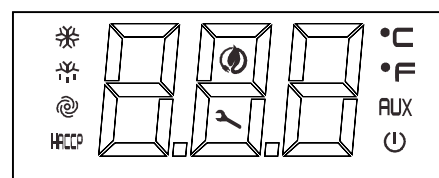
THX5, THX10

CIRCUITS AND CONNECTIONS

Refrigeration circuit	Description	Connections	THX5	THX10
Compressor	Rotative	Hot water outlet (in)	3/4	1
Coolant	R134a	Coldwater inlet (in))	3/4	1
Evaporator	Copper tube and aluminium fins	Air connection diameter (mm)	160	160
Plate heat exchanger	Stainless Steel			

ADVANCED CONTROLLER

- Touch screen controller.
 - Prepared for connection with photovoltaic installations.
 - Automatic Anti-Legionella Desinfection.
 - Automatic defrost when the evaporator is frozen.
 - Alarms:
 - Low pressure, high pressure.
 - High operating temperature.
 - Temperature probe.
 - Battery failure.
- It incorporates 3 operating modes:
- Eco: heat pump only operating mode.
 - Auto: the combination of heat pump and electrical 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.

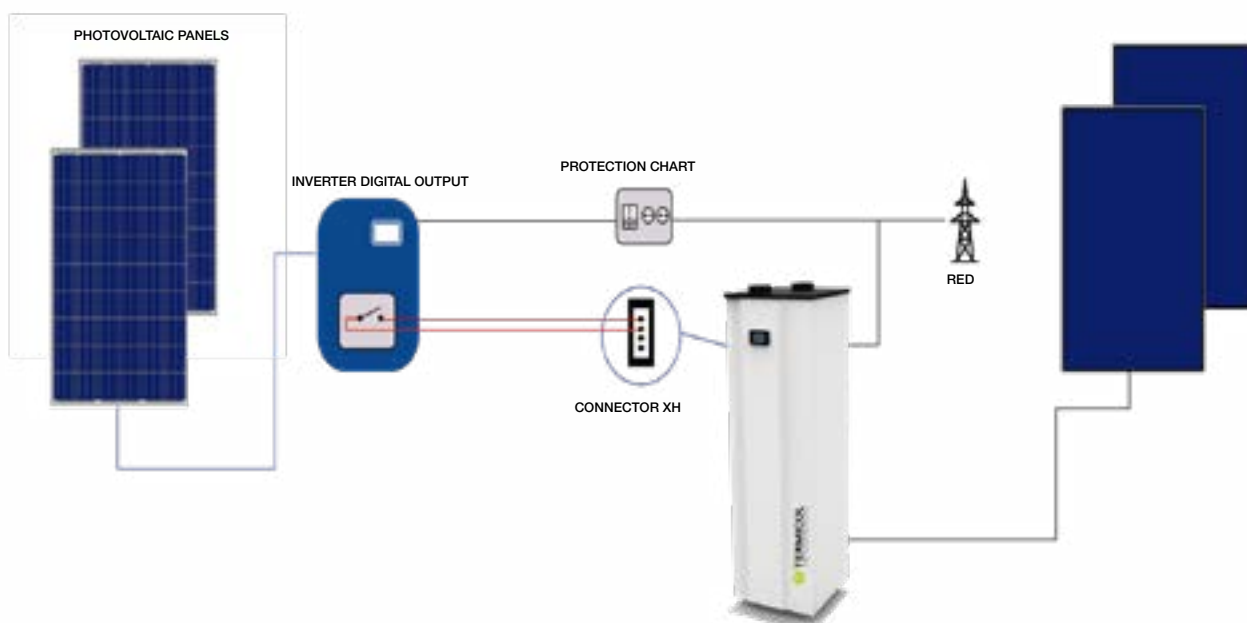
Model	Reference	RP
Wi-Fi controller	656WIFI	163 €



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.

SOLAR
HYBRID

SOLAR HYBRID
PLUS

HYBRIDABLE WITH
PHOTOVOLTAIC

TECHNICAL SHEETS, MANUALS AND CERTIFICATES





FAMILY TERMICOL

SOLAR HYBRID

200, 260L



CHARACTERISTICS

- Maximum energy efficiency.
- Integration of two technologies in a single system, solar thermal energy and heat pump
- Support electrical resistance.
- Automatic anti-legionella cycle.
- Possibility of connection to photovoltaic systems.
- Programmable and intuitive control panel.
- Efficient fan with low acoustic impact.
- Alarm indicators.



Model	Ref. Flat Roof	Ref. Tiled Roof	Liters	Energy class	Sound level (dB) *	RP
TSHT200 with 1S26	655HPT2001S26VGP	655HPT2001S26VGI	200	A+++	31	4.723 €
TSHT200 with 1G26	655HPT2001G26VGP	655HPT2001G26VGI	200	A+++	31	4.774 €
TSHT200 with 2S21	655HPT2002S21VGP	655HPT2002S21VGI	200	A+++	31	5.175 €
TSHT200 with 2G21	655HPT2002G21VGP	655HPT2002G21VGI	200	A+++	31	5.312 €
TSHT200 with 2S26	655HPT2002S26VGP	655HPT2002S26VGI	200	A+++	31	5.347 €
TSHT200 with 2G26	655HPT2002G26VGP	655HPT2002G26VGI	200	A+++	31	5.450 €
TSHT260 with 2S21	655HPT3002S21VGP	655HPT3002S21VGI	260	A+++	31	5.267 €
TSHT260 with 2G21	655HPT3002G21VGP	655HPT3002G21VGI	260	A+++	31	5.438 €
TSHT260 with 2S26	655HPT3002S26VGP	655HPT3002S26VGI	260	A+++	31	5.404 €
TSHT260 with 2G26	655HPT3002G26VGP	655HPT3002G26VGI	260	A+++	31	5.541 €

* 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

200, 260L

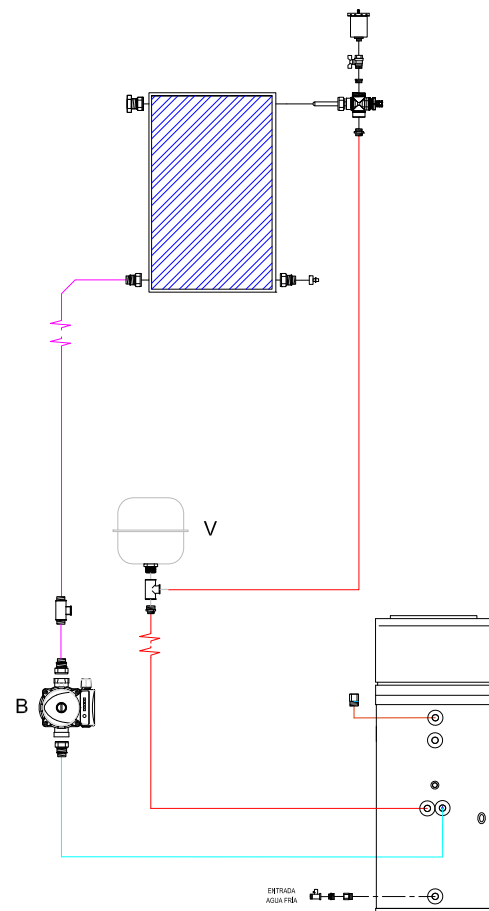
ENERGY EFFICIENCY

	Equivalent energy efficiency = thermal energy generated / electrical energy consumed			
Model	Sevilla	Madrid/Roma	París/Wurzburg	Bilbao/La Coruña
TSHT200 with 1S26	7,35	5,81	3,58	4,50
TSHT200 with 1G26	11,46	7,68	4,03	5,40
TSHT200 with 2S21	13,75	9,64	4,52	6,40
TSHT200 with 2G21	9,29	6,96	3,90	5,10
TSHT200 with 2S26	13,57	9,61	4,57	6,45
TSHT200 with 2G26	17,00	11,90	5,21	7,84
TSHT260 with 2S21	9,18	6,93	3,92	5,28
TSHT260 with 2G21	11,78	8,32	4,30	5,88
TSHT260 with 2S26	11,43	8,32	4,30	5,86
TSHT260 with 2G26	16,63	10,54	4,85	7,02

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.
- ▲ Coil for solar and for heat pump.

Circuit	Characteristics
Compressor	Rotative
Coolant	R134a
Evaporator	Centrifugal
Condenser	Aluminium





FAMILY TERMICOL

SOLAR HYBRID

200, 260L

HEAT PUMP AND TANK

Technical data	Units	TSHT200	TSHT260
Rated capacity	L	194	251
Maximum working pressure	bar	8	8
SCOP at 7°C *	-	2,8	3
SCOP at 14°C **	-	3,1	3,4
Nominal power at 7°C	W	1.1	1.2
Consumed potence	W	430	460
Current max. heat pump	A	9.6	9.6
Maximum consumption with support	W	2.163	
Maximum water temperature with BC	°C	65	
Maximum water temperature with resistance	°C	75	
Power supply (frequency)	V (Hz)	1 / N / 230 (50)	
Resistance power	W	1.500	
Insulation type	-	PU	
Average insulation thickness	cm	5	
Max pressure of work	bar	8	
Equipment airflow range	m3/h	314	

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

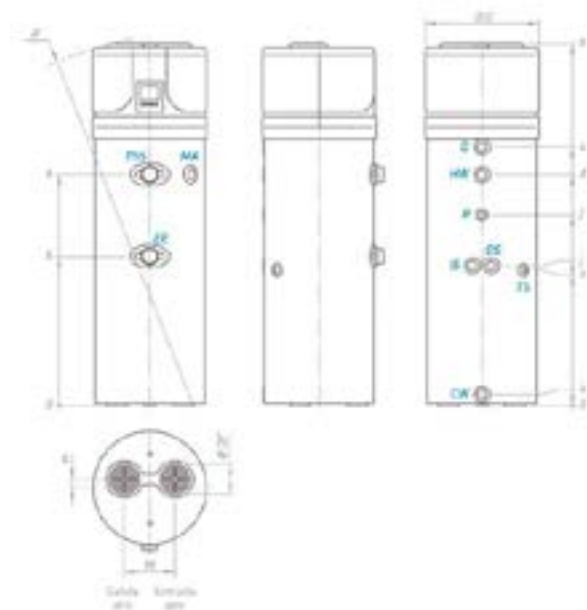
** SCOP warm climate zone according to the UNE-EN16147 standard.

HYBRID SYSTEM TANK

Measure	TSHT200	TSHT260
h	1720	2010
a	994	1285
b	724	834
c	995	1285
f	803	1064
i	681	781
k	60	60
n	681	766
u	1153	1440
w	58	58
M	260	260
ØDF	160	160
R	1785	2055
ØD	630	630

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"

Tank dimensions





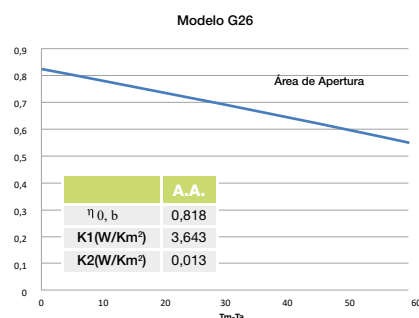
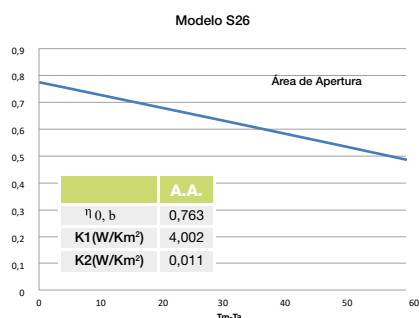
FAMILY TERMICOL

SOLAR HYBRID

200, 26L

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 40°C in the night period (22:00 to 6:00) and between 45 and 50°C in the daytime period (6:00 to 22:00)
2. The solar system heats the storage tank up to 60°C (70°C 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 (30°C by default).





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	5.190 €
TSH200 with 1G26	655HP2001G26VGP	655HP2001G26VGI	200	A++	40	5.218 €
TSH200 with 2S21	655HP2002S21VGP	655HP2002S21VGI	200	A+++	40	5.587 €
TSH200 with 2G21	655HP2002G21VGP	655HP2002G21VGI	200	A+++	40	5.650 €
THS200 with 2S26	655HP2002S26VGP	655HP2002S26VGI	200	A+++	40	5.706 €
THS200 with 2G26	655HP2002G26VGP	655HP2002G26VGI	200	A+++	40	5.761 €
TSH260 with 2S21	655HP3002S21VGP	655HP3002S21VGI	260	A+++	40	5.865 €
TSH260 with 2G21	655HP3002G21VGP	655HP3002G21VGI	260	A+++	40	5.927 €
TSH260 with 2S26	655HP3002S26VGP	655HP3002S26VGI	260	A+++	40	5.982 €
TSH260 with 2G26	655HP3002G26VGP	655HP3002G26VGI	260	A+++	40	6.039 €
TSH500 with 3S26	655HP5003S26VGP	655HP5003S26VGI	500	A+++	41	10.038 €
TSH500 with 3G26	655HP5003G26VGP	655HP5003G26VGI	500	A+++	41	10.120 €
TSH500 with 4S26	655HP5004S26VGP	655HP5004S26VGI	500	A+++	41	10.557 €
TSH500 with 4G26	655HP5004G26VGP	655HP5004G26VGI	500	A+++	41	10.665 €

* 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

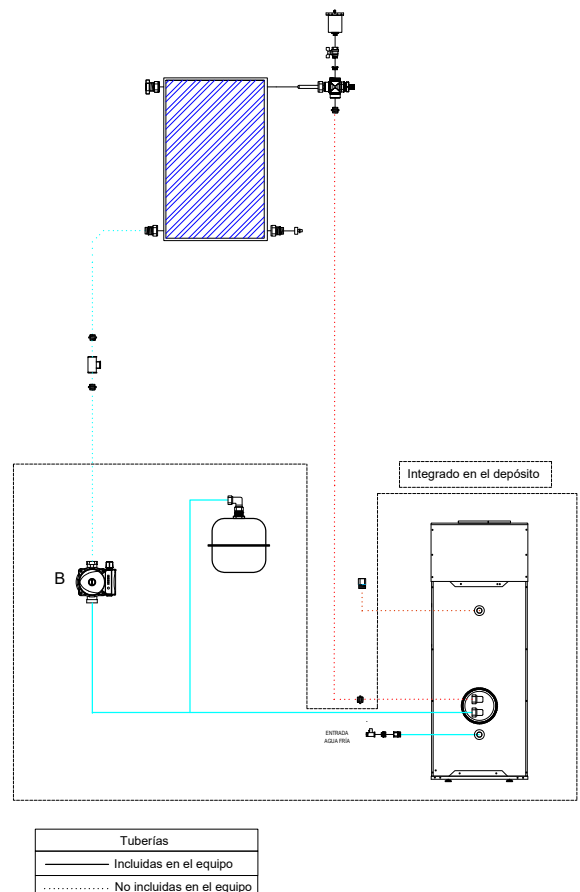
200, 260, 500L

ENERGY EFFICIENCY

Model	Equivalent energy efficiency = thermal energy generated / electrical energy consumed			
	Sevilla	Madrid/Roma	París/Wurzburg	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
TSH200 with 2S26	13,30	9,37	4,25	6,26
TSH200 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	TSH200P	TSH260P	TSH500P
Water inlet / outlet (inch)	3/4	3/4	1
Air inlet / outlet (mm)	160	160	160
Condensate outlet (inch)	1/2	1/2	1/2
Solar outlet (inch)		3/4	3/4
Solar outlet (turn) (inch)		3/4	3/4





FAMILY TERMICOL

SOLAR HYBRID PLUS

200, 260L

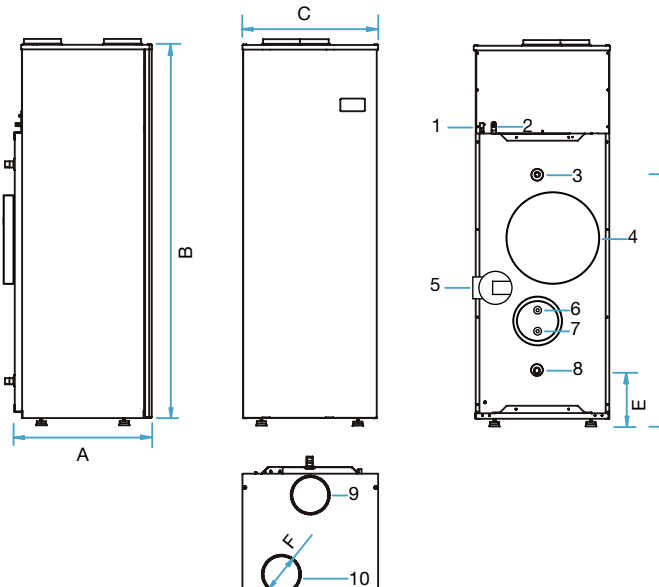
HEAT PUMP AND TANK

Technical characteristics	TSH200	TSH260	TSH500
Nominal capacity (L)	200	260	500
Maximum operating pressure (bar)	6	6	6
SCOP at 7°C *	2,57	2,64	2,52
SCOP at 14°C **	2,98	3,04	2,97
Thermal power range (7°C-14°C) (W)	1.464 - 1.820		3.122 - 3.970
Power consumption range (7°C-14°C) (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 (°C)	55		
Maximum electrical support temperature (°C)	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	Tank dimensions	
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				





FAMILY TERMICOL

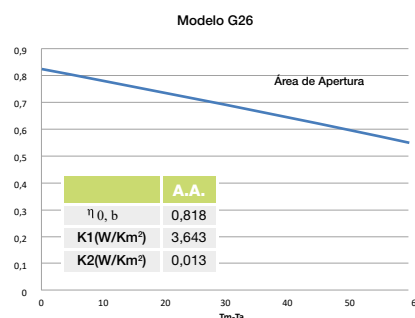
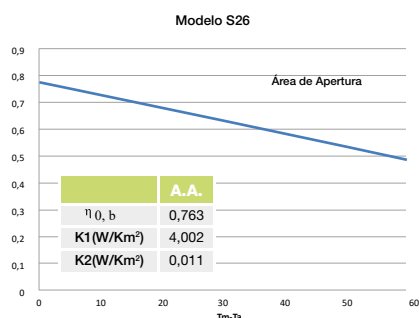
SOLAR HYBRID:

200, 280, 500



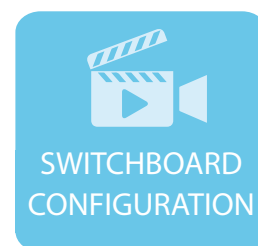
COLLECTOR FEATURES

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:



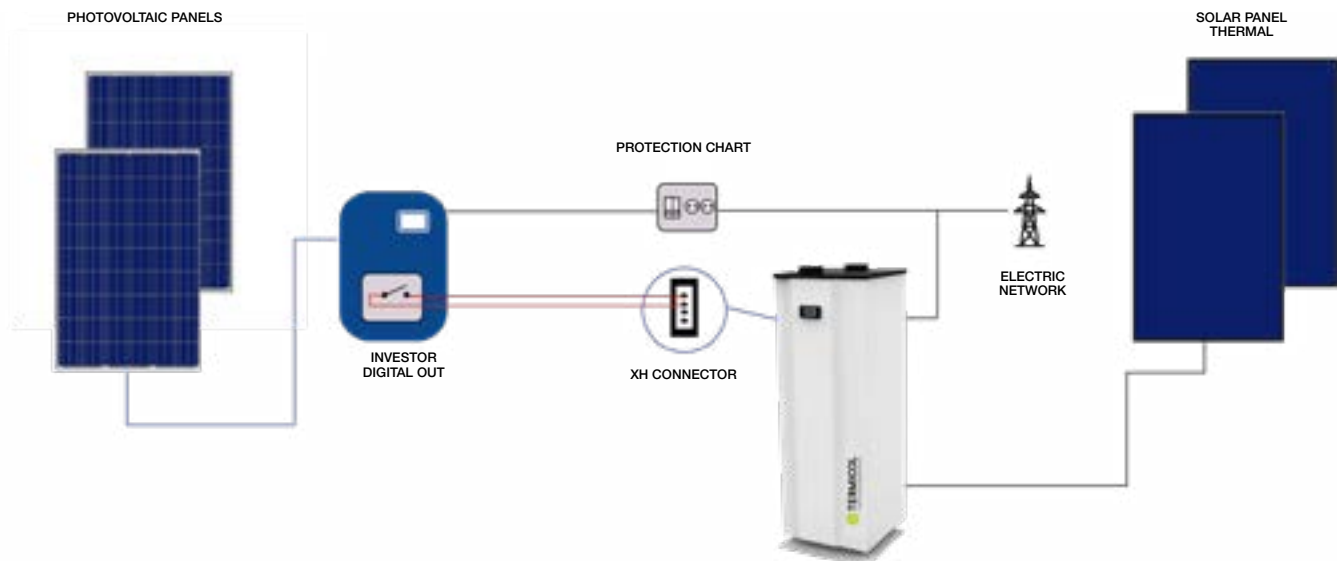
- By default, the heat pump maintains the storage tank temperature between 35 and 40°C in the night period (22:00 to 6:00) and between 45 and 50°C in the daytime period (6:00 to 22:00)
 - The solar system heats the storage tank up to 60°C (70°C if there is excess solar energy)
- If the solar system is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



ACTIVE MODE

When there is excess production of photovoltaic energy, the inverter closes the contact to send the energy to the atherothermal 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.

DHW
DIRECT
ENAMELED

DHW
COIL
ENAMELED

DHW SINGLE
COIL
ENAMELLED LAR-
GE SURFACE

DHW
DOUBLE COIL
ENAMELED

WALL-MOUN-
TED DHW
ENAMELED

BUFFER

DHW
STAINLESS
STEEL

TECHNICAL SHEETS, MANUALS AND CERTIFICATES





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} (°C)	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	1.270 €
ATK 200 D	200			602K0200	1.350 €
ATK 300 D	300			602K0300	1.605 €
ATK 500 D	500			602K0500	2.185 €
ATK 750 D	750	5"	Flexible polyurethane and leatherette	602K0800	3.171 €
ATK 1000 D BH	1.000	16"		602K1000	4.202 €
ATK 1500 D BH	1.500			602K1500	5.685 €
ATK 2000 D BH	2.000			602K2000	7.035 €
ATK 2500 D BH	2.500			602K2500	8.433 €
ATK 3000 D BH	3.000			602K3000	9.709 €
ATK 4000 D BH	4.000			602K4000	13.741 €
ATK 5000 D BH	5.000			602K5000	16.371 €
ATK 1000 D BP	1.000	5"		602K1010	3.342 €
ATK 1500 D BP	1.500			602K1510	4.682 €
ATK 2000 D BP	2.000			602K2010	5.878 €
ATK 2500 D BP	2.500			602K2510	7.566 €
ATK 3000 D BP	3.000			602K3010	8.468 €
ATK 4000 D BP	4.000			602K4010	12.677 €
ATK 5000 D BP	5.000			602K5010	15.194 €

ACCESORIES

Description	Reference	RP
Electronic anode (750 L - 1000 L)	714AE1500	231 €
Electronic anode (1500 L - 5000 L)	714AE5000	303 €
Magnesium anode (hasta 300 L)* 20	714KAM114L31	55 €
Silicone gasket (<= 800 L)	714KJSBP	28 €
Silicone gasket (> 800 L)	714KJSBG	106 €

* Consult other capabilities





STORAGE TANKS

DHW COIL

ENAMELED



Vertical tanks with a fixed coil for DHW.

- Enameled interior treatment.
- With or without pumping unit.
- 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} (°C)	10 / 95									

*Insulation included.

Model	Capacity (liters)	Inspection Flange	External protection	Reference	RP
ATK 150 S	150	4"	Rigid polyurethane and leatherette	602K0151	1.204 €
ATK 200 S	200			602K0201	1.327 €
ATK 300 S	300			602K0301	1.619 €
ATK 500 S	500			602K0501	2.165 €
ATK 750 S	750	5"	Flexible polyurethane and leatherette	602K0801	3.675 €
ATK 1000 S BH	1.000	16"		602K1001	4.631 €
ATK 1500 S BH	1.500			602K1501	6.026 €
ATK 2000 S BH	2.000			602K2001	8.091 €
ATK 2500 S BH	2.500			602K2501	9.989 €
ATK 3000 S BH	3.000			602K3001	11.012 €
ATK 1000 S BP	1.000	5"	Flexible polyurethane and leatherette	602K1011	3.864 €
ATK 1500 S BP	1.500			602K1511	5.093 €
ATK 2000 S BP	2.000			602K2011	6.930 €
ATK 2500 S BP	2.500			602K2511	8.920 €
ATK 3000 S BP	3.000			602K3011	9.624 €





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 (°C)	10 / 95							

* Dimensions with insulation included.

Model	Capacity (liters)	Inspection Flange	Protection	Reference	RP
ATK 150 SX	150	4"	Rigid polyurethane and leatherette	602K0151X	1.504 €
ATK 200 SX	200			602K0201X	1.691 €
ATK 300 SX	300			602K0301X	2.009 €
ATK 500 SX	500			602K0501X	2.604 €
ATK 750 SX	750	5"	Flexible polyurethane and leatherette	602K0801X	4.027 €
ATK 1000 SX BH	1.000	16"		602K1001X	5.097 €
ATK 1500 SX BH	1.500			602K1501X	6.242 €
ATK 2000 SX BH	2.000			602K2001X	8.063 €
ATK 1000 SX BP	1.000	5"	Flexible polyurethane and leatherette	602K1011X	4.126 €
ATK 1500 SX BP	1.500			602K1511X	5.332 €
ATK 2000 SX BP	2.000			602K2011X	6.958 €





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 (°C)	10 / 95								

Model	Capacity	Inspection Flange	Protection	Reference	RP
ATK 200 S2	200	4"	Rigid polyurethane and leatherette	602K0202	1.483 €
ATK 300 S2	300			602K0302	1.741 €
ATK 500 S2	500			602K0502	2.367 €
ATK 750 S2	750			602K0802	4.073 €
ATK 1000 S2 BH	1.000	16"	Flexible polyurethane and leatherette	602K1002	5.015 €
ATK 1500 S2 BH	1.500			602K1502	6.339 €
ATK 2000 S2 BH	2.000			602K2002	8.446 €
ATK 2500 S2 BH	2.500			602K2502	10.918 €
ATK 3000 S2 BH	3.000			602K3002	11.811 €
ATK 1000 S2 BP	1.000	5"	Flexible polyurethane and leatherette	602K1012	4.089 €
ATK 1500 S2 BP	1.500			602K1512	5.814 €
ATK 2000 S2 BP	2.000			602K2012	7.594 €
ATK 2500 S2 BP	2.500			602K2512	9.842 €
ATK 3000 S2 BP	3.000			602K3012	10.473 €





STORAGE TANKS

WALL-MOUNTED DHW ENAMELED TANKS



WALL-MOUNTED ENAMELED TANKS WITH RESISTANCE

Models and prices

Model	Reference	RP
ATT 80 VE	602MT081E	473 €
ATT 100 VE	602MT101E	518 €
ATT 120 VE	602MT121E	602 €
ATT 150 VE	602MT151E	703 €
ATT 200 VE	602MT201E	904 €

* 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	283 €
ATT 80 VTE	602MTE080TE	312 €
ATT 100 VTE	602MTE100TE	333 €
ATT 150 VTE	602MTE150TE	457 €
ATT 200 VTE	602MTE200TE	821 €



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	150	200	300	500	750	1000	1500	2000	3000	4000	5000
Exchange surface (m2)	0,87	1,25	1,25	1,98	3,1	3,1	4,5	5	6	6,6	7,2
Weight of direct buffer tank (kg)	54	60	70	106	129	150	196	289	374	546	626
Weight of indirect buffer tank (kg)	70	71	93	143	158	178	240	313	390	565	701
ØTank (mm)	480	480	600	640	790	790	1000	1340	1600	1800	2000
Height (mm)	1135	1340	1220	1845	1800	2190	2165	2012	2334	2445	2427
Insulation thickness (mm)	50				100			70	100		
Max. working pressure (bar)	6				3						
Max. temperature (°C)	95										

DIRECT BUFFER STORAGE TANKS

Model	Capacity (liters)	Protection	Indoors		Outdoors	
			Reference	RP	Reference	RP
ATK 200 IND	200	Flexible polyurethane with detachable PVC cover	603K0200	1.053 €	603B0200EX	1.190 €
ATK 300 IND	300		603K0300	1.256 €	603B0300EX	1.420 €
ATB 500 IND	500		603B0500	1.730 €	603B0500EX	1.799 €
ATB 750 IND	750		603B0750	2.246 €	603B0800EX	2.336 €
ATB 1000 IND	1.000		603B1000	2.573 €	603B1000EX	2.675 €
ATB 1500 IND	1.500		603B1500	3.714 €	603B1500EX	3.863 €
ATB 2000 IND	2.000		603B2000	4.676 €	603B2000EX	4.863 €
ATB 2500 IND	2.500		603B2500	5.305 €	603B2500EX	5.836 €
ATB 3000 IND	3.000		603B3000	6.989 €	603B3000EX	7.688 €
ATB 4000 IND	4.000		603B4000	9.181 €	603B4000EX	10.099 €
ATB 5000 IND	5.000		603B5000	11.214 €	603B5000EX	12.335 €





STORAGE TANKS

BUFFER

BUFFER STORAGE TANKS WITH FIXED COIL

Model	Capacity (liters)	Protection	Indoors		Outdoors	
			Reference	RP	Reference	RP
ATK 200 INS	200	Flexible polyurethane with detachable PVC cover	603K0201	1.358 €	603B0201EX	1.744 €
ATK 300 INS	300		603K0301	1.544 €	603B0301EX	1.774 €
ATB 500 INS	500		603B0501	2.133 €	603B0501EX	2.218 €
ATB 750 INS	750		603B0751	2.768 €	603B0801EX	2.878 €
ATB 1000 INS	1.000		603B1001	3.230 €	603B1001EX	3.359 €
ATB 1500 INS	1.500		603B1501	4.360 €	603B1501EX	4.534 €
ATB 2000 INS	2.000		603B2001	5.439 €	603B2001EX	5.656 €
ATB 2500 INS	2.500		603B2501	6.068 €	603B2501EX	6.674 €
ATB 3000 INS	3.000		603B3001	7.783 €	603B3001EX	8.561 €
ATB 4000 INS	4.000		603B4001	10.515 €	603B4001EX	11.566 €
ATB 5000 INS	5.000		603B5001	11.881 €	603B5001EX	13.069 €

HEAT PUMP BUFFER TANK

- Spécialement conçu pour les pompes à chaleur.
- Préparé pour l'installation intérieure et extérieure de la maison.

Model	Capacity (L)	Reference	RP
ATMC 30 IND	30	603MC0030	464 €
ATMC 50 IND	50	603MC0050	495 €
ATMC 100 IND	100	603MC0100	702 €

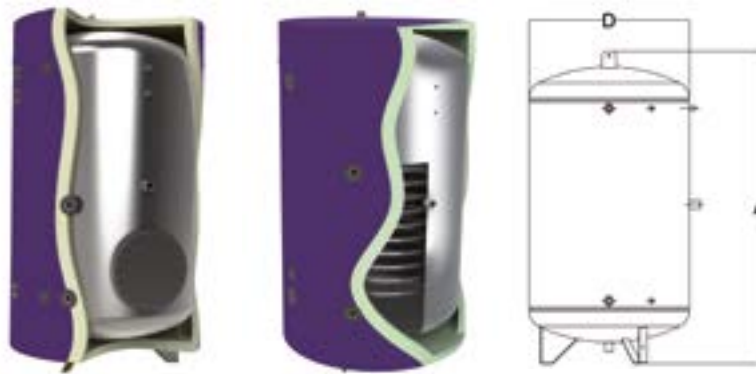




STORAGE TANKS

DHW STAINLESS STEEL

- Wall from 100 L to 150 L and floor from 150 L to 5000 L
- 7-year warranty for accumulators up to 1500 liters and 5-year warranty for larger volumes.



Characteristics	100	120	150	200	300	500	750	1000	1500	2000	2500	3000	4000	5000
Exchange surface	0,66	0,66	0,66	0,83	1,10	1,80	2,63	3,60	4,20	4,86	5,67	6,48	7,3	8,11
Diameter (mm)	560	560	560	560	560	700	950	950	1.501	1.300	1.400	1.500	1.600	1.750
Height (mm)	784	909	1.033	1.263	1.733	1.910	1.460	1.960	2.006	2.150	2.200	2.300	2.600	2.700
Weight (kg)	28	31	35	40	53	76	120	144	202	380	440	490	530	705
Tank material	444 stainless steel					Duplex 2304 stainless steel					316L stainless steel			
Coil material	316L stainless steel					316L stainless steel					316 stainless steel			
Max. working pressure	7 bar					8 bar								

* Insulation included.

DIRECT STAINLESS STEEL STORAGE TANKS

Model	Capacity (liters)	Protection	Reference	RP
ACUMCIX 100 INOX	100	Rigid injected polyurethane. Density 42 kg / m3 Indoor / outdoor installation	604MC0100	1.387 €
ACUMCIX 120 INOX	120		604MC0120	1.446 €
ACUMCIX 150 INOX	150		604MC0150	1.454 €
ACUMCIX 200 INOX	200		604MC0200	1.594 €
ACUMCIX 300 INOX	300		604MC0300	1.935 €
ACUMCIX 500 INOX	500		604MC0500	2.825 €
ACUMCIX 750 INOX	750		604MC0800	4.108 €
ACUMCIX 1000 INOX	1.000		604MC1000	6.088 €
ACUMCIX 1500 INOX	1.500		604MC1500	10.690 €
ACUVIX 2000 INOX	2.000	Flexible polyurethane with detachable PVC cover	604V2000	12.964 €
ACUVIX 2500 INOX	2.500		604V2500	15.196 €
ACUVIX 3000 INOX	3.000		604V3000	18.020 €
ACUVIX 4000 INOX	4.000		604V4000	21.420 €
ACUVIX 5000 INOX	5.000		604V5000	25.883 €





STORAGE TANKS

DHW STAINLESS STEEL

STAINLESS STEEL STORAGE TANKS WITH A FIXED COIL

Model	Capacity (L)	Protection	Reference	RP
ACUMCIX 100 INOX S	100	Rigid injected polyurethane. Density 42 kg / m3 Indoor / outdoor installation	604MC0101	1.399 €
ACUMCIX 120 INOX S	120		604MC0121	1.554 €
ACUMCIX 150 INOX S	150		604MC0151	1.636 €
ACUMCIX 200 INOX S	200		604MC0201	1.781 €
ACUMCIX 300 INOX S	300		604MC0301	2.027 €
ACUMCIX 500 INOX S	500		604MC0501	3.244 €
ACUMCIX 800 INOX S	750		604MC0801	4.779 €
ACUMCIX 1000 INOX S	1.000		604MC1001	6.860 €
ACUMCIX 1500 INOX S	1.500		604MC1501	11.321 €
ACUVIX 2000 INOX S	2.000	Flexible polyurethane with detachable PVC cover	604V2001	13.410 €
ACUVIX 2500 INOX S	2.500		604V2501	15.753 €
ACUVIX 3000 INOX S	3.000		604V3001	19.359 €
ACUVIX 4000 INOX S	4.000		604V4001	24.767 €
ACUVIX 5000 INOX S	5.000		604V5001	29.676 €

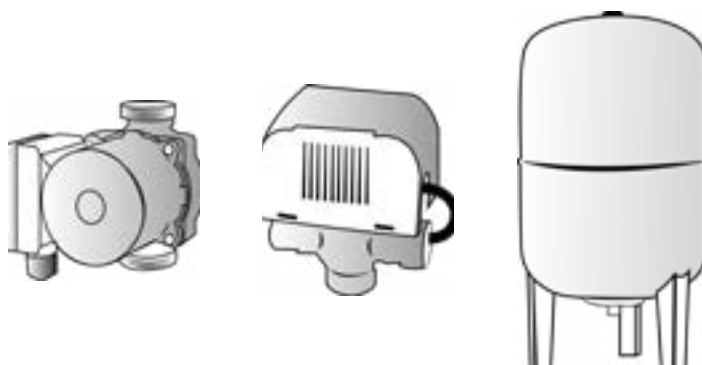
STAINLESS STEEL STORAGE TANKS WITH A LARGE SURFACE COIL

Model	Capacity (L)	Protection	Reference	RP
ACUMCIX 100 INOX SX	100	Rigid injected polyurethane. Density 42 kg / m3 Indoor / outdoor installation	604MC0101X	1.485 €
ACUMCIX 120 INOX SX	120		604MC0121X	1.595 €
ACUMCIX 150 INOX SX	150		604MC0151X	1.705 €
ACUMCIX 200 INOX SX	200		604MC0201X	1.881 €
ACUMCIX 300 INOX SX	300		604MC0301x	2.150 €





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.

EXCHANGERS

HEAT SINKS

CIRCULATION
PUMPS

VALVES

SOLAR
CONTROLLERS

FILLING
SYSTEMS

VARIOUS

TECHNICAL SHEETS, MANUALS AND CERTIFICATES





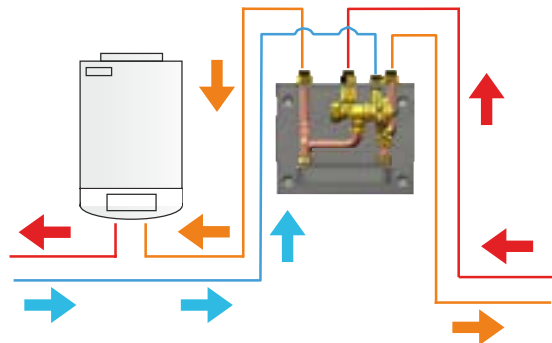
ACCESSORIES

EXCHANGERS

HEAT TRANSFER KITS

Power (kW)	Description	Reference	RP
35	DHW exchange kit with case	702KIACSK	655 €

*Please consult for other models in development.



DHW PLATE HEAT EXCHANGE



Collectors area (m ²)	Power	Inlets	Reference	RP
28,8	6 - 15 kW	3/4"	702PTACS012	251 €
48	16 - 24 kW	3/4"	702PTACS020	339 €
84	25 - 42 kW	1"	702PTACS035	443 €
120	43 - 60 kW	1"	702PTACS050	539 €
144	61 - 72 kW	1"	702PTACS060	745 €
168	73 - 84 kW	1"	702PTACS070	833 €
216	85 - 108 kW	1"	702PTACS090	919 €
240	109 - 120 kW	1 1/4"	702PTACS100	1064 €

Design conditions:

- Primary circuit liquid temperature = 60°C.
- Secondary circuit liquid outlet temperature = 50°C .
- Primary circuit fluid = propylenglicol 30 %.
- Secondary circuit working liquid = water .



Insulations		
Insulation area (m ²)	Reference	RP
48	702PTAIS020	312 €
84	702PTAIS035	374 €
144	702PTAIS060	424 €
216	702PTAIS090	424 €
240	702PTAIS120	490 €





ACCESSORIES

EXCHANGERS

SHELL-AND-TUBE HEAT EXCHANGERS FOR SWIMMING POOL HEATING

- ▲ Solar installation power conditions: Input primary circuit $T = 50^{\circ}\text{C}$.
- ▲ Boiler installation power conditions: Input primary circuit $T = 90^{\circ}\text{C}$.
- ▲ 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 (m ²)	Solar installation power / Boiler installation power	Reference	RP
2 - 12	1 - 6 kW / 25 kW	702CT025I05	583 €
12 - 35	7 - 18 kW / 45 kW	702CT045I15	681 €
35 - 71	19 - 36 kW / 85 kW	702CT085I30	994 €
71 - 82	37 - 42 kW / 105 kW	702CT105I35	1.585 €

TITANIUM HEAT EXCHANGERS FOR SALINE WATER POOLS

Collectors area (m ²)	Solar installation power / Boiler installation power	Reference	RP
2 - 12	1 - 6 kW / 25 kW	702CT025T05	964 €
12 - 35	7 - 18 kW / 45 kW	702CT045T15	1.105 €
35 - 71	19 - 36 kW / 85 kW	702CT085T30	1.744 €
71 - 82	37 - 42 kW / 105 kW	702CT105T35	2.352 €





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 = 90°C.
- Intake air temperature = 35°C.
- 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	XL30	8 kW	705DI008M	688 €	
1 - 4	S26, G26				
1 - 5	S21, G21, P21				
4 - 8	XL30	18 kW	705DI018M	770 €	
5 - 9	S26, G26				
6 - 12	S21, G21, P21				
5 - 11	XL30	24 kW	705DI024M	920 €	
10 - 13	S26, G26				
13 - 16	S21, G21, P21				
12 - 18	XL30	40 kW	705DI040M	1.410 €	
14 - 21	S26, G26				
17 - 26	S21, G21, P21				
19 - 24	XL30	52 kW	705DI052M	1.560 €	
22 - 28	S26, G26				
27 - 34	S21, G21, P21				
25 - 18	XL30	61 kW	705DI061M	1.887 €	
29 - 33	S26, G26				
35 - 40	S21, G21, P21				
29 - 35	XL30	76 kW	705DI076M	2.078 €	
34 - 42	S26, G26				
41 - 50	S21, G21, P21				
36 - 50	XL30	106 kW *	705DI106T	3.311 €	
43 - 57	S26, G26				
51 - 70	S21, G21, P21				
51 - 71	XL30	152 kW *	705DI152T	3.856 €	
58 - 84	S26, G26				
71 - 101	S21, G21, P21				
72 - 89	XL30	190 kW *	705DI190T	4.224 €	
85 - 105	S26, G26				
102 - 126	S21, G21, P21				
90 - 114	XL30	243 kW *	705DI243T	7.019 €	
106 - 134	S26, G26				
127 - 161	S21, G21, P21				
115 - 143	XL30	304 kW *	705DI304T	7.254 €	
135 - 168	S26, G26				
161 - 200	S21, G21, P21				





ACCESSORIES

HEAT SINKS

STATIC HEAT SINKS



MODELS



Thermostatic valve T
90°C

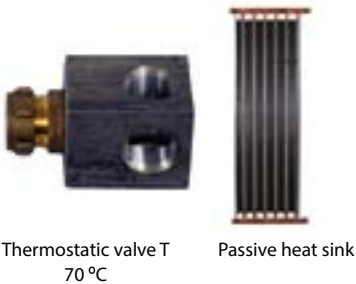
Passive heat
sink

For collector arrays				
Nº Collectors	Collectors Models	Description	Reference	RP
2	S21, G21, P21	2,5 kW	705ECF025	1.130 €
2	S26, G26	3,5 kW	705ECF035	1.305 €
3	S21, G21, P21			
2	XL30	4,5 kW	705ECF045	1.494€
3	S26, G26			
4	S21, G21, P21			
3	XL30	5,5 kW	705ECF055	1.654€
4	S26, G26			
5	S21, G21, P21			
4	XL30	7 kW	705ECF070	2.252€
5	S26, G26			
6	S21, G21, P21			
5	XL30	8 kW	705ECF080	2.427€
6	S26, G26			
7	XL30	11 kW	705ECF110	2.952€
8	S26, G26			

Description	Reference	RP
Connection for collectors array (statics heat sinks)	215BATCAP2	216€

* 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°C

Passive heat sink

For Thermosiphon kits				
Nº Collectors	Collectors models	Description	Reference	RP
2	S21, T20, P21, T25, S26	1.750 kW	705ECT175	893€

Description	Reference	RP
Connection for Thermosiphon equipment (static dissipators)	215BATCAP3	74€

** 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		365 €	578 €	942 €	1.063 €	1.250 €	2.070 €	2.402 €
N° Collectors	Q (m³/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 joints² Include flanges

FOR PRIMARY CIRCUITS: DOUBLE PUMPS

Reference		701BPD020B ²	701BPD030B ²	701BPD040B ²	701BPD050B ²	701BPD080B ²	701BPD100B ²
RP		3.073 €	3.337 €	3.838 €	4.804 €	5.865 €	6.717 €
N° Collectors	Q (m³/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		511 €	532 €	737 €	1.261 €	1.261 €	1.332 €
N° Collectors	Q (m³/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.

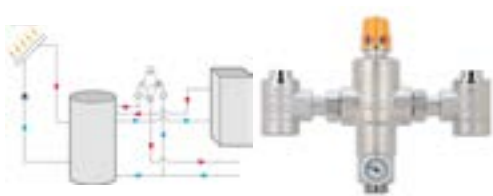




ACCESSORIES

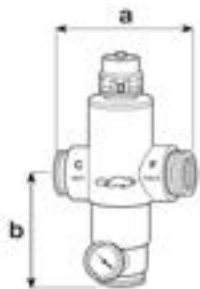
VALVES

HIGH-FLOW THERMOSTATIC MIXING VALVES



With non-returns

Description	Reference	RP
Thermostatic mixing valve 1 1/4"	708TMZ114CAR	974 €
Thermostatic mixing valve 1 1/2"	708TMZ112CAR	1.510 €
Thermostatic mixing valve 2"	708TMZ200CAR	1.631 €



Without non-returns

Description	Reference	RP
Thermostatic mixing valve 1 1/4"	708TMZ114CR	768€
Thermostatic mixing valve 1 1/2"	708TMZ112CR	1.146€
Thermostatic mixing valve 2"	708TMZ200CR	1.226€

3 WAYS MOTORIZED VALVES



Primary circuits

Description	Reference	RP
1/2" (T _{max} 160°C)	708ZN3V012H	204€
3/4" (T _{max} 160°C)	708ZN3V034H	208€
1" (T _{max} 160°C)	708ZN3V100H	210€
1 1/4" (T _{max} 160°C)	708ZN3V114H	386€
1 1/2" (T _{max} 160°C)	708ZN3V112H	979€
2" (T _{max} 160°C)	708ZN3V200H	1.300€





ACCESSORIES

VALVES

STATIC BALANCING VALVES



Description	Reference	RP
1/2"H kv 0,1-4,47 m³/h DN15	708EQES012H	99€

DINAMIC BALANCING VALVES

Description	Reference	RP
3/4"H autoflow	708EQEC034H	120€

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	112 €





ACCESSORIES

SOLAR CONTROLLERS

CONTROL UNITS

400S



Description	Reference	RP
Termicol 400S y 2 probes (1relay10A,sond.PTC2000)	703C7400S02	224 €

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

STDC-V3



Description	Reference	RP
Termicol STDC with 2 probes	703C1STDC32	255 €

- ▲ 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	366 €

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





ACCESSORIES

SOLAR CONTROLLERS

LTDC-V3



Description	Reference	RP
Termicol LTDC with 4 probes	703C3LTDC34	559 €

- ▲ 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.

XTDC-V1



Description	Reference	RP
Termicol XTDC with optional probe	703C4XTDC10	1.469 €

- ▲ 8 Temperature sensor inputs PT1000.
- ▲ 2 Grundfos VFS/RPS sensor input.
- ▲ 1 inlet for RC21 environment sensor.
- ▲ 2 PWM output (high efficiency pumps speed control).
- ▲ 2 Speed control connections.
- ▲ 6 Relay output 230VAC (on/off).
- ▲ Micro SD Memory Card Slot.
- ▲ Ethernet connection (model V2).
- ▲ 48 Hydraulic options.





ACCESSORIES

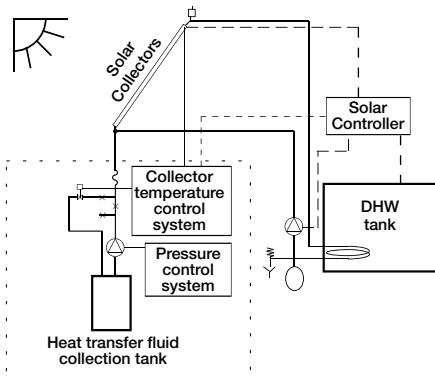
FILLING SYSTEMS

FILLING AND DRAINING SYSTEMS



Digital equipment

Nº Collectors	Description	Reference	RP
6 - 15	120 L	712LLVD0120	5.197 €
16 - 25	200 L	712LLVD0200	5.477 €
26 - 35	300 L	712LLVD0300	5.861 €
36 - 50	500 L	712LLVD0500	6.583 €
51 - 120	1.000 L	712LLVD0900	7.546 €



Electronic equipment

Nº Collectors	Description	Reference	RP
1 - 6	50 L	712LLVE0050	3.410 €
7 - 15	120 L	712LLVE0120	3.551 €
16 - 25	200 L	712LLVE0200	3.760 €
26 - 35	300 L	712LLVE0300	4.275 €
36 - 50	500 L	712LLVE0500	4.965 €
51 - 120	1.000 L	712LLVE1000	5.920 €

FILLING SYSTEMS

Equipment	Description	Reference	RP
Manual electrical equipment	50 L	712LLEM050	1.568 €
	120 L	712LLEM120	1.842 €
Electronic equipment	50 L	712LLE0050	1.705 €
	120 L	712LLE0120	1.865 €
	200 L	712LLE0200	2.028 €
	300 L	712LLE0300	2.401 €
	500 L	712LLE0500	2.955 €
	1.000 L	712LLE1000	3.955 €
Digital equipment	120 L	712LLD0120	3.435 €
	200 L	712LLD0200	3.677 €
	300 L	712LLD0300	4.023 €
	500 L	712LLD0500	4.600 €
	1.000 L	712LLD1000	5.583 €



ACCESSORIES

VARIOUS

HEAT TRANSFER FLUID



For primary circuits		
Concentrated antifreeze "Fluidosol"		
	Reference	RP
2 L	707CGF0002	34 €
5 L	707CGF0005	85 €
10 L	707CGF0010	170 €
25 L	707CGF0025	409 €

EXPANSION SYSTEMS



Expansion vessel	Primary circuits						DHW	
	Solar		Heater		Intermediate			
	Reference	RP	Reference	RP	Reference	RP	Reference	RP
2 L	-		706VCR005	57 €	706VIN005	48 €	-	
8 L	706SOL008	58 €	706VCR008	60 €	706VIN008	50 €	706VAC008	72 €
12 L	706SOL012	67 €	706VCR012	63 €	706VIN012	55 €	706VAC011	81 €
18 L	706SOL018	72 €	706VCR018	70 €	706VIN018	61 €	706VAC018	88 €
25 L	706SOL025	84 €	706VCR025	87 €	706VIN024	71 €	706VAC024	112 €
35 L	706SOL035	251 €	706VCR035	133 €	706VIN035	114 €	706VAC035	325 €
50 L	706SOL050	291 €	706VCR050	195 €	706VIN050	151 €	706VAC050	390 €
80 L	706SOL080	367 €	706VCR080	285 €	-		706VAC080	474 €
100 L	706SOL100	517 €	706VCR100	422 €	706VIN100	262 €	706VAC100	637 €
140 L	-		706VCR140	507 €	-		706VAC150	1.459 €
200 L	706SOL220	1.128 €	706VCR200	650 €	706VIN200	592 €	706VAC200	1.789 €
250 L	-		706VCR250	741 €	-		-	
300 L	706SOL350	1.405 €	706VCR300	942 €	706VIN300	761 €	706VAC350	2.161 €
400 L	-		706VCR400	1.104 €	-		-	
500 L	706SOL500	1.973 €	706VCR500	1.784 €	-		706VAC500	2.835 €
600 L	-		706VCR600	2.094 €	-		-	
700 L	706SOL700	3.311 €	-	2.784 €	-		706VAC700	4.349 €
800 L	-		706VCR800		-		-	
Connection Set*	704SETCGB	59 €	704SETCGB	59 €	706VINS18	17 €	704SETCGB	59 €

*For expansion vessels from 5l to 25l

ACCESSORIES

VARIOUS

PROBES

Description	Reference	RP
Contact temperature probe PT1000	703SDPT1000C	33 €
Temperature probe PT1000	703SDPT1000	20 €

ENERGY METERS



universal energy meter

Flow	Diameter	N ² probes	Reference	RP
1,5 m ³ /h	3/4"	2	703COWMZ015	986 €
2,5 m ³ /h	3/4"	2	703COWMZ025	986 €
3,5 m ³ /h	1"	2	703COWMZ035	1.513 €
6,0 m ³ /h	1"	2	703COWMZ060	1.513 €
10,0 m ³ /h	1 1/2"	2	703COWMZ100	2.028 €
15,0 m ³ /h	1 1/2"	2	703COWMZ150	2.814 €



Compact residential energy meter

Flow	Diameter	N ² probes	Reference	RP
1,5 m ³ /h	1/2"	2	703COWME	365 €

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	106 €
3kW	Single-phase 230 V	1 1/4"	711KFK3000M	138 €
4,5kW	Three-phase 400 V	1 1/2"	711KFK4500T	424 €
6kW	Three-phase 400 V	1 1/2"	711KFK6000T	460 €
9kW	Three-phase 400 V	1 1/2"	711KFK9000T	544 €
12kW	Three-phase 400 V	2"	711KFK12000T	561 €
15kW	Three-phase 400 V	2"	711KFK15000T	601 €
18kW	Three-phase 400 V	2"	711KFK18000T	629 €

THERMOMETER

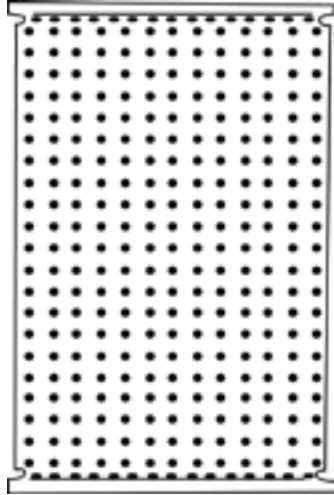
Description	Reference	RP
Digital thermometer	703TERMTDIG	115€

THERMOMETER

Description	Reference	RP
Digital thermometer	703TERSTDIG	127€



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.

PLASTIC
SOLAR PANELS

INSTALLATION
ACCESSORIES

CONTROLLING
AND PUMPING

KITS

TECHNICAL SHEETS, MANUALS AND CERTIFICATES





SWIMMING POOLS

PLASTIC SOLAR PANELS



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



Termipool 1000



Termipool 1001



Termipool 1002



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 40°C
Degree of efficiency upto	Aprox. 80% (capacity up to 0,8 kWh/m2)
Average value	0,65 kWh/m2
Temperature resistance	- 50°C a + 115°C

MODELOS Y PRECIOS

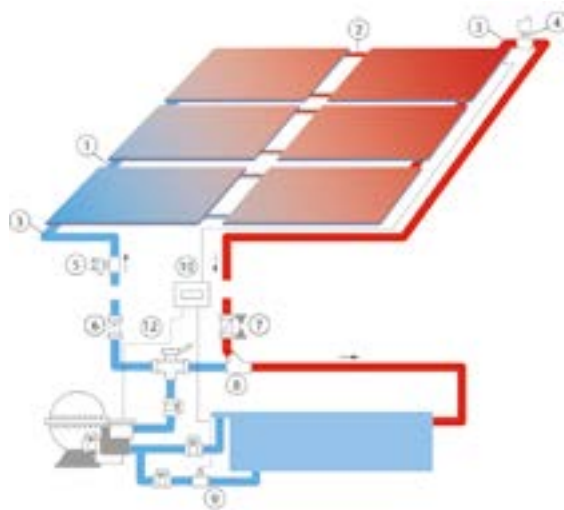
Model	Description	Net area	Reference	RP
Termipool 1000	Plastic Solar panel for swimming pools	1,08 m ²	802CT1000	174 €
Termipool 1001		1,05 m ²	802CT1001	174 €
Termipool 1002		1,12 m ²	802CT1002	174 €



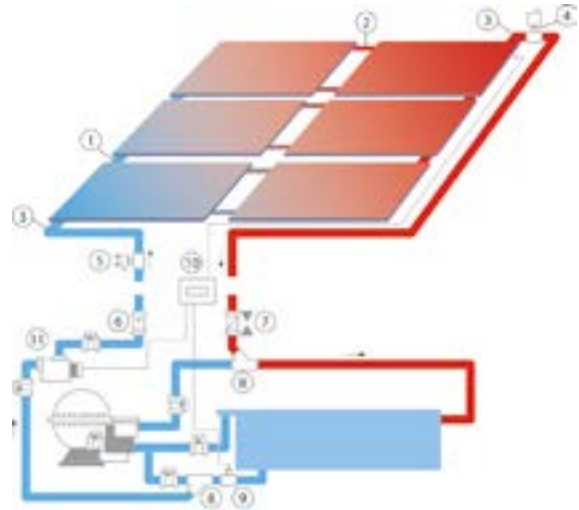


SWIMMING POOLS INSTALLATION ACCESSORIES

DIFFERENT TYPES OF CONNECTION FOR SWIMMING POOL SOLAR HEATING SYSTEMS



Operation with a purification pump via a motorized three-way valve with differential temperature regulation.



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

N°	Description	Reference	RP
1	Stainless steel coupling and clamps for connections ø40	802M&AG40	12 €
2	Stainless steel coupling and clamps for connections ø25	802M&AP25	11 €
-	Flat roof (0°) assembly set 0°	802SMC0	300 €
-	Tiled roof assembly set	802SMC1	416 €
3	Panel field and pipe connection set Ø40	803J1C40	25 €
4	Pipe purging set ø40	803J2P40	39 €
5	Pipe draining set ø40	803J3V40	14 €
6	EPDM check valve ø40	804VAR40	26 €
7	PE/EPDM ball valve ø40	804VBL40	20 €
8	Swimming pool circuit connection set ø40-ø50	803J4I6350	13 €
9	Thermowell set for swimming pool sensor ø50	803J5V50	30 €
10	Termipool Easy control	805TEC230	366 €
11	Swimming pool pump 1/4 HP for H=7m Q=7m3/h	805BSC025	483 €
12	3-way manual valve	804V3VM50	101 €



40 mm clamp



25mm clamp



Set for flat roofs 0°



Sloped roof assembly set





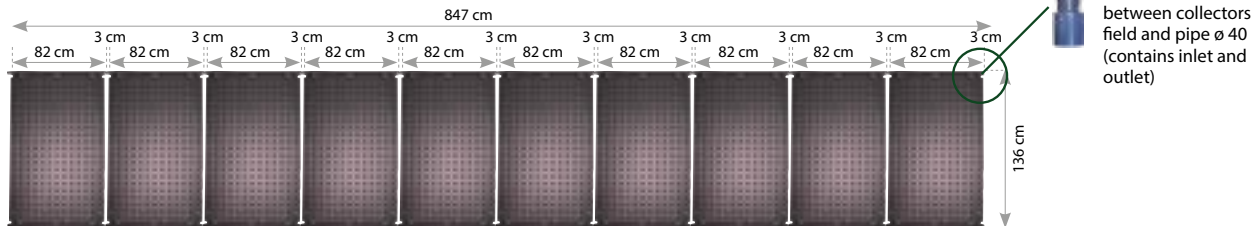
SWIMMING POOLS

INSTALLATION

ACCESSORIES

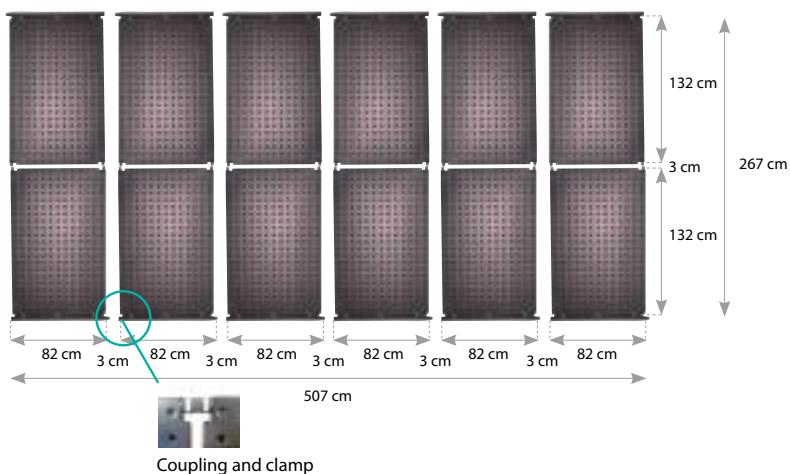
Configuration 1.

10 Termipool 1002 Panels area: 11,2 m²



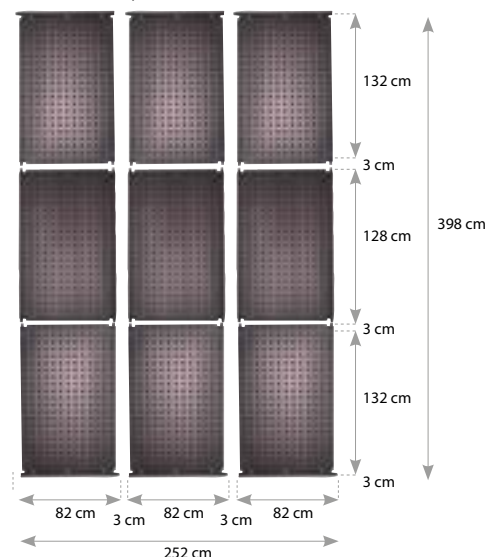
Configuration 3.

12 Termipool 1000
Panels area: 12,96 m²



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

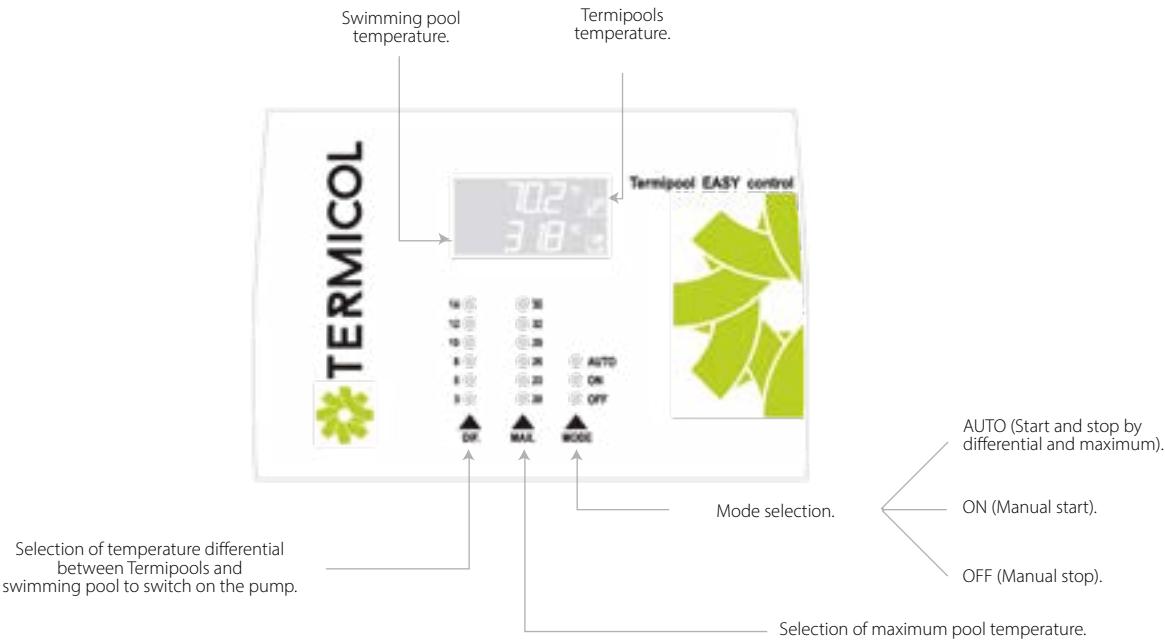




SWIMMING POOLS

CONTROLLING AND PUMPING

CONTROL SYSTEM



Description		Reference	RP
Termipool Easy Control	3 Outlets of relay of 10 Amps	805TEC230	366 €

PUMPING SYSTEMS

Reference		805BSC025	805BSC033	805BSC050	805BSC075
N° 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		483 €	496 €	526 €	538 €

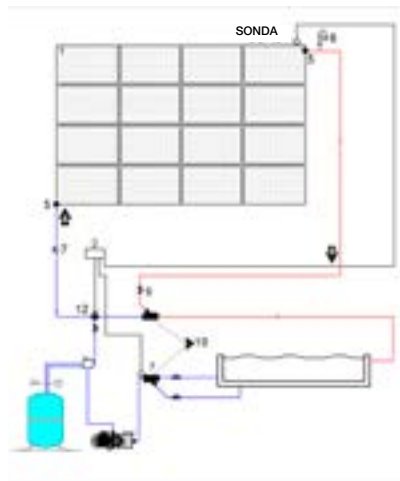




SWIMMING POOLS KITS

NO PUMP

Pool area	N° Termipool	Roof area	Terrace type	Reference	RP
18 m ²	12 Termipool 1000	x = 5,2 ; y = 2,7	Flat terrace	801K1806X2S0	3.012 €
			Tile roof Flat	801K1806X2S1	3.231 €
24 m ²	8 Termipool 1000 8 Termipool 1001	x = 3,5 ; y = 5,3	terrace	801K2404X4S0	3.899 €
			Tile roof	801K2404X4S1	3.991 €
32 m ²	14 Termipool 1000 7 Termipool 1001	x = 6,1 ; y = 4	Flat terrace	801K3207X3S0	4.850 €
			Tile roof	801K3207X3S1	4.942 €

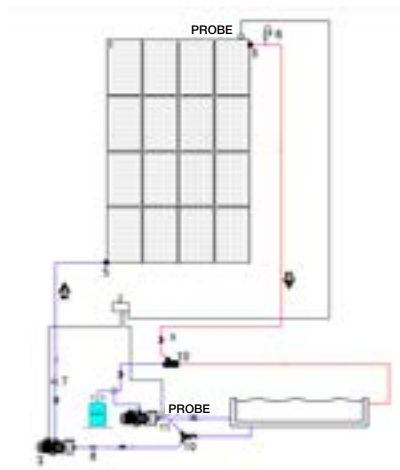


	List of Materials	Uds
1	Collectors, connections, fixations	N
2	Termipool EASY Control	1
4	Feeding and supply pipes D40*	...
5	Connection set to the pipeline	1
6	Air vent set	1
7	Emptying set	1
8	Anti-return valve	1
9	Ball valve (blocking)	2
10	Inserting housing for pool probe	2
11	Inserting housing for pool probe	1
12	3 Way valve*	

* No suministrada en el KIT

COMPLETE

Pool area	N° Termipool	Roof area	Terrace type	Reference	RP
18 m ²	12 Termipool 1000	x = 5,2 ; y = 2,7	Flat terrace	801K1806X2B0	3.572 €
			Tile roof Flat	801K1806X2B1	3.670 €
24 m ²	8 Termipool 1000 8 Termipool 1001	x = 3,5 ; y = 5,3	terrace	801K2404X4B0	4.333 €
			Tile roof	801K2404X4B1	4.425 €
32 m ²	14 Termipool 1000 7 Termipool 1001	x = 6,1 ; y = 4	Flat terrace	801K3207X3B0	5.283 €
			Tile roof	801K3207X3B1	5.374 €



	List of Materials	Uds
1	Collectors, connections, fixations	N
2	Termipool EASY Control	1
3	Pool Solar pump	1
4	Pipe go & return D40***	...
5	Connection set to the pipeline	1
6	Air vent set	1
7	Emptying set	1
8	Anti-return valve	1
9	Ball valve (brake)	2
10	Inserting housing for pool probe	2
11	Inserting housing for pool probe	1

* Not supplied with the kit





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 preferred, 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.

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.





PURCHASE GENERAL CONDITIONS

SUPPLY

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.

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.





PURCHASE GENERAL CONDITIONS

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 Silver, Gold and Excel families and 15 YEARS Platinum family.

Plastic solar panels: 5 YEARS.

Accumulators: 5 YEARS, except for vitrified wall and thermoelectric accumulators, whose guarantee is 3 years and 7 years in stainless accumulators up to 1500 liters.

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:





GENERAL CONDITIONS GUARANTEES

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, 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 greater than:
 - 500 mg/l total soluble salts
 - 200 mg/l calcium carbonate
 - 250 mg/l total chlorides or chlorine derivatives
 - 50 mg/l free carbon dioxide
 - pH from a minimum of 5 to a maximum of 12

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.





GENERAL CONDITIONS GUARANTEES

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.

