



Solar Thermal Collectors

Tomorrow's Heating Technology for Today's Applications

www.zytechsolar.com

Zytech Solar Thermal Collectors

Zytech Solar, was established in 2005 and exports worldwide as a global leader in the field of solar energy solutions.

The extensive range of solar energy systems available, manufactured using advanced processes and state-of-the-art production methods are designed for residential and commercial markets and more complex centralized installations ideal for hotels, hospitals, apartments buildings and industrial plants.

Systems can be tailored to the specific requirements of users, ensuring optimal efficiency and reliability backed by Zytech Solar's expertise, support and guarantees.

The wide range of solar collectors enables Zytech to provide cost-effective solutions that comply to a variety of international standards. By using only quality materials and the finest workmanship, Zytech ensures durability and problem-free operation.



	Application and uses	Competitive Advantages	Basic equipment
Solar heating	<p>Provides heating in buildings and other uses via solar thermal energy through under floor or fan coil heating systems.</p> <ul style="list-style-type: none"> Residential systems for single family homes Large thermal systems for large residential units, farms, greenhouses... 	<ul style="list-style-type: none"> High degree of comfort in home heating, as it is based on low intensity heat, homogenous under floor heating. Average energy savings of over 50% 	<ul style="list-style-type: none"> Solar thermal collectors Heat exchanger Storage tank Heat distribution system by under-floor heating pipes or fan coils
Hot sanitary water	<p>Provides hot sanitary water using thermal solar energy.</p> <ul style="list-style-type: none"> Single family homes Large clients, hotels, communities, campings sites, spas, swimming pools... Industrial processes requiring preheating of water, laundrettes, plants 	<ul style="list-style-type: none"> 60% annual average energy cost saving Adds value to your home Extends the expected life of your hot water tank by dramatically reducing scaling 	<ul style="list-style-type: none"> Solar thermal collectors Heat exchanger Hot sanitary water storage tank Regulator, control systems for forced circulation systems, auxiliary support
Swimming pool heating	<p>Water heating where the temperature of the water supply will be constant to moderate levels.</p> <ul style="list-style-type: none"> Swimming pools, spas, fish farms etc. 	<ul style="list-style-type: none"> Average energy savings of over 70% Low maintenance costs Short amortization period 	<ul style="list-style-type: none"> Solar thermal collectors Heat exchanger Hot sanitary water storage tank Regulator, control systems, auxiliary support

A Better Way to heat



Zytech Solar Flat Plate Collectors

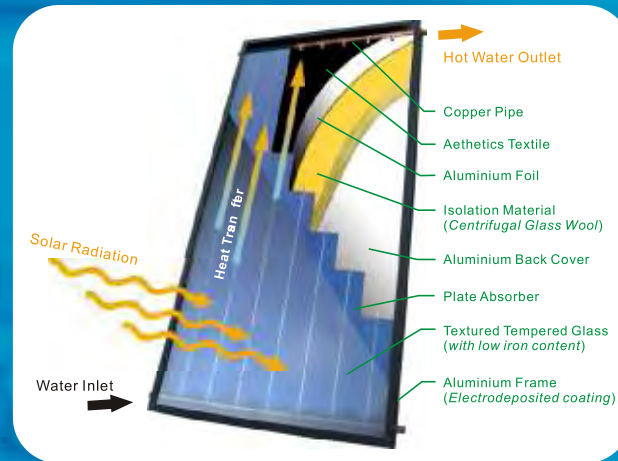
Our flat plate collectors are customized to best suit the particular application based on international standards.

With unique features, these collectors offer customers a product that can be installed almost anywhere. With the knowledge that the Zytech collectors are extremely robust customers can be confident that they will not get damaged in use.



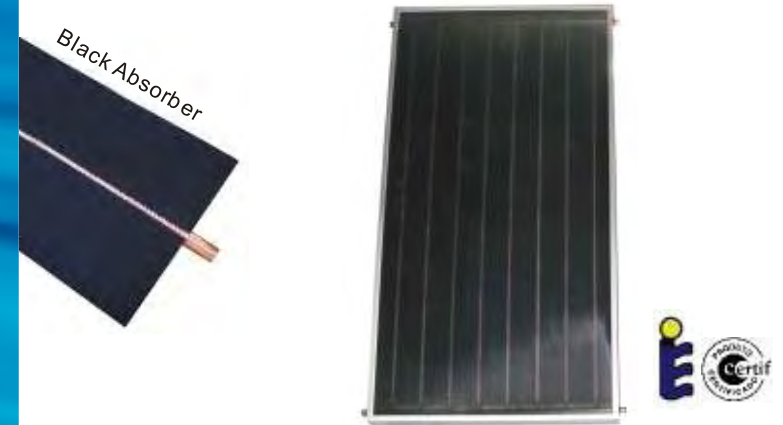
Features:

- High quality product and performance
- Works in all climates including regions with long winters
- Solutions for single home up to large scale systems
- Modular design means you can add on as your budget allows
- Easy installation and servicing. Installation on sloping roof, flat roof or balcony.
- Dual uses - domestic hot water (DHW) with space heating support or pool/spa heating
- Elegant appearance
- Excellent price / performance combination
- Solar KeyMark Certified



C ZYTV 20 Black

The C ZYTV 20 Black is Zytech's most cost and energy efficient solar system, operating on anti-freeze liquid or water and requiring low maintenance. With long worklife 8-10 years, and black coating technology (chromium) with high Absorptivity over 85% .



**Collector Efficiency 78 %
(under sunlight energy 1000 W/m²)**

C ZYTV 20 Blue

The C ZYTV 20 Blue is Zytech thermal collector's most straight forward, cost and energy efficient solar system, operating on anti-freeze liquid or water and requiring low maintenance. It's high efficiency provides hot water after just a few hours of sun light. This solar collector has a long worklife, over 15 years and with blue coating technology (titanium) with high absorptivity over 95% .

This is the environmentally friendly answer to a family's hot water needs.



**Collector Efficiency 80 %
(under sunlight energy 1000 W/m²)**



Forced Circulation System (FC)



Thermosyphon System (TS)



Zytech Solar Evacuated - Tube Collectors

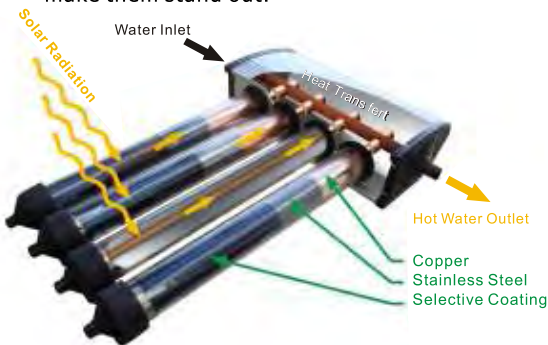
These Zytech vacuum collectors are among the most efficient, affordable, and cost-effective collectors available today. These collectors are typically recommended for use in warmer climates simply because they are designed with larger absorber areas that are insulated from the colder weather.

Each Zytech Evacuated Tube Collector is certified.

Zytech Solar evacuated tube collectors are one of the highest quality collectors on the market. Two layers of extremely durable borosilicate glass maintain a vacuum layer which acts as a magnificent insulator. With this superior insulation property, these evacuated tube collectors have the ability to generate heat through the winter in colder climates.

C ZYT TV 58 - 15 C ZYT TV 58 - 20

Outstanding design, professional finishing, top quality and high energy yield, as well as their excellent price / performance ratio make them stand out.

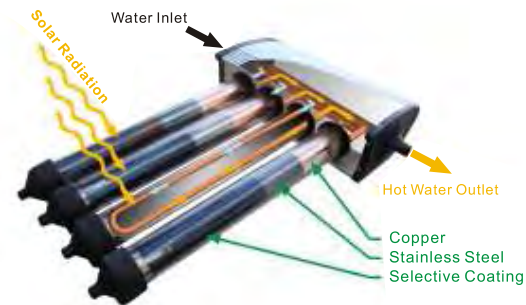


Tube dimension:
· 58 mm (diameter)
· 1800 mm (length)

Collector Efficiency
75% (under sunlight energy 800/m²)

TOP QUALITY

- Includes Heat Pipe
- For all climates including regions with long winters
- Works vertically under pressure and can be used for forced circulation systems, rarely used in the thermo-syphon system
- Appropriate system for family-unit installation as domestic solar water heater and for large scale solar system project
- Easy installation and servicing on sloping roof, flat roof and balcony
- Top quality and high performance
- Long life durability
- Must be cycled with pump
- Certificated Solar KeyMark



C ZYT TV 47 - 15

Outstanding design, professional finishing, top quality and high energy yield, as well as excellent price / performance ratio makes these outstanding.

TOP QUALITY

- High efficiency
- High Reflectivity (Aluminium sheet reflector)
- Works horizontally for thermo-syphon system with "U" heat pipe
- Weather proof, works in all climates including regions with long winters
- Works well Vertically for forced circulation systems under pressure
- Appropriate system for family use
- Solar KeyMark Certified



Advised for Thermo-syphon Systems (TS)

Tube dimension:
· 47 mm (diameter)
· 4500 mm (length)

Zytech Solar Water Storage Tanks

Our thermal tanks are designed for maximum performance and a long service life. Zytech's heating tanks are ideal for radiant floor heating and solar water heating because of their continual high yield.

Our solar and radiant floor heating tanks have a long lifespan and are known for their peak performance reliability.

Our tanks are designed for virtually any type of home and come in a wide variety of storage capacities. We can also be called on to create custom thermal tanks according to your heating needs for virtually any type of residential or commercial uses...

Zytech can provide tanks in custom dimensions, including almost any length, width, height, and capacity. We can also extend or add to the heat exchange capacity of existing thermal tanks.

Rigid, polyurethane foam insulation keep heat in the tank. Meets or exceeds the most demanding energy efficiency standards without extra insulation blanket.

Electric element assists the system only when the solar energy cannot maintain the desired temperature or during periods of peak demand. Automatic temperature control thermostat keeps stored water at desired temperature.

ZT300L HH

Water Storage Tank for Forced Circulation. Zytech ZT300L HH water heater is specially designed for ceilings below an average human height (173cm).

new product



ZT300L Hybrid

Horizontal Water Storage Tank both for Thermo-syphon and Forced Circulation Applications. Our thermal tanks are designed to last a lifetime.



Zytech all over the world



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