



## Zytech Flat Collector Thermosyphon System

**C.ZYTV20 Blue/Black + SS150 tank 150L(ITS)**  
**C.ZYTV20 Blue/Black(2) + SS200 tank 200L(ITS)**  
**C.ZYTV20 Blue/Black(2) + SS300 tank 300L(ITS)**

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




Subject to optimum positioning, it can harvest enough energy to cover the entire hot water demand for almost three persons.

It is also no problem to arrange the collectors in rows, side-by-side, or above each other, to provide plenty of energy for a higher hot water demand.

### Features

- High efficiency with long-term stability
- Appropriate system for family use
- Works well for thermosyphon circulation systems under pressure
- Flexible installation angle on sloping roof, plane roof and balcony
- Easy installation and maintenance
- Elegant design for aesthetic appearance
- Reliability and durability
- Dual uses - domestic hot water (DHW) with space heating support or pool/spa heating



Type	C.ZYTV20 Blue/Black + SS 150 tank 150 L (ITS)	C.ZYTV20 Blue/Black (2) + SS 200 tank 200 L (ITS)	C.ZYTV20 Blue/Black (2) + SS300 tank 300 L (ITS)
Weight empty	130 kg	180 kg	220 kg
Number of collectors	1	2	2
Total gross area (m <sup>2</sup> )	2.02	4.04	4.04
Total aperture area (m <sup>2</sup> )	1.84	3.68	3.68
Support weight (kg)	22	45	45
Number of persons			

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## Collector

<b>Dimensions</b>	2000 × 1010 × 95 / pcs		
<b>Weight</b>	40 kg / pcs		
<b>Absorber</b>	<b>Blue absorber</b>	<b>Black absorber</b>	
	Coating	Bluetec	Chromeplate
	Color	Blue	Black
	Absorptivity	95 % ± 2 %	85 % ± 2 %
<b>Copper pipe</b>	Emittance	5 % ± 2 %	15 % ± 2 %
	Material	Tp2 Copper	
<b>Glass</b>	Material	Textured tempered glass with low iron content	
	Thickness	4 mm	
<b>Insulation</b>	Material	Glass wool	
<b>Frame</b>	Aluminum alloy		
<b>Sealing gasket</b>	EPDM		
<b>Connections</b>	Inlet / outlet	Φ 22 mm	
<b>Testing data</b>	<b>Blue absorber</b>	<b>Black absorber</b>	
	Efficiency	75.5 % ± 2 %	78.7 % ± 2 %
	Heat loss	a1= 4.3 W/m <sup>2</sup> °C	a1= 5.0 W/m <sup>2</sup> °C
	Co-efficient	a2 = 0.012 W/m <sup>2</sup> °C <sup>2</sup>	a2= 0.001 W/m <sup>2</sup> °C <sup>2</sup>
	Stagnation temperature	165 °C (1000 W/m <sup>2</sup> )	164 °C (1000 W/m <sup>2</sup> )

Blue flat collector



Black flat collector



## Tank

<b>Capacity</b>	150 L / 200 L / 300 L	
<b>Outside material</b>	Powder coated and UV resistant	
<b>Inside material</b>	SUS316 (1.2 mm thickness)	
<b>Insulation</b>	Polyurethane (50 mm)	
<b>Work pressure</b>	≤ 0.6 MPA	
<b>Inside install copper heat exchanger</b>	Yes No	(According to the requirements of customers )
<b>Electrical support</b>	1.5 KW	



## Support

<b>Material</b>	Galvanized steel + UV coating
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## Accessory

<b>Pipe</b>	Material	Tp2 Copper (Diameter: Φ 22)
<b>Copper fitting</b>		

**ZYTECH SOLAR**

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