



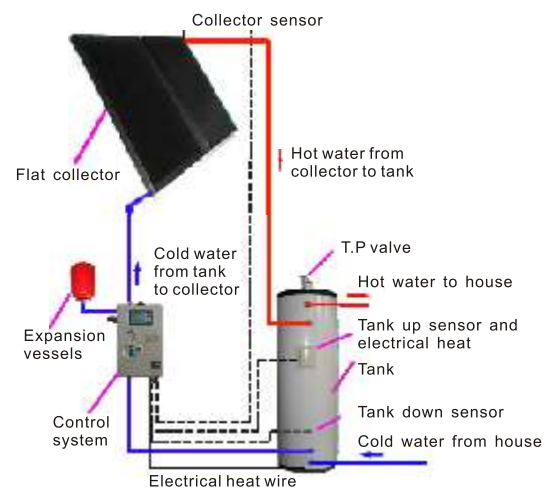
## Zytech Flat Collector Forced Circulation System




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

The compact pressure series is a compact system running with pressure. It solves the hot water low pressure problem of natural pressure series.

### Features

- High efficiency with long-term stability
- Appropriate system for family use
- Works well for forced 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 150L (IFS)	C.ZYTV20 Blue/Black(2) + SS 200 tank 200 L (IFS)	C.ZYTV20 Blue/Black(2) + SS 300 tank 300 L (IFS)
Weight of the system	130 kg	180kg	220 kg
Total gross area(m <sup>2</sup> )	2.02	4.04	4.04
Weight of the collector	40kg	80 kg	80 kg
Total aperture area(m <sup>2</sup> )	1.84	3.68	3.68
Number of collectors	1	2	2
Number of persons			

# Zytech Tube Collectors Forced Circulation System



## Collector

<b>Dimensions</b>	2000 × 1010 × 95 / pcs		
<b>Weight</b>	40 kg / pcs		
<b>Absorber</b>	<b>Coating</b>	<b>Blue absorber</b>	<b>Black absorber</b>
	<b>Color</b>	Bluetec	Chromeplate
	<b>Absorptivity</b>	Blue	Black
	<b>Emittance</b>	95 % ± 2 %	85 % ± 2 %
<b>Copper pipe</b>	<b>Material</b>	Tp2 Copper	
	<b>Thickness</b>	4 mm	
<b>Glass</b>	<b>Material</b>	Textured tempered glass with low iron content	
	<b>Thickness</b>	4 mm	
<b>Insulation</b>	<b>Material</b>	Glass wool	
<b>Frame</b>	Aluminum alloy		
<b>Sealing gasket</b>	EPDM		
<b>Connections</b>	<b>Inlet / outlet</b>	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>	<b>Steel</b>
<b>Surface coating</b>	<b>Hot-dip galvanizing and UV coating</b>

## Accessory

<b>Copper fitting</b>	
<b>Control system</b>	<ol style="list-style-type: none"> <li>1. External dimension: 450 mm × 310 mm × 150 mm</li> <li>2. Operating temperature: 0 - 150 °C</li> <li>3. Electronic booster power: ≤ 3000 W</li> <li>4. Power of controlled pumps: ≤ 600 W</li> <li>5. System working pressure 0.6 Mpa</li> <li>6. Input signal: 3 temperature sensors</li> </ol>

