



HTP Evacuated Tube Heat Pipe Solar Collectors HP-30SC



HTP evacuated tube heat pipe solar collectors represent a new standard in solar energy technology. Combining cutting-edge performance and efficiency with highly competitive pricing, HTP is the leader in offering renewable energy solutions to home and business owners.

Through numerous design innovations, HTP ensures that each customer receives the best solar thermal product possible. Evacuated tube collectors use a vacuum space within each tube's borosilicate glass shell to offer unsurpassed efficiency and heat loss protection in any climate. In the event of a tube breaking, it can be removed and the entire system will continue to function, ensuring a heating source that will not fail.

Where Flat Plate Solar Collectors may be damaged, or inefficient in colder

northern climates through the United States and around the world, Evacuated Tube Collectors shine because of their incredible freeze protection and unique 360 degree collector design.

HTP solar collectors are independently tested and certified by the world's leading solar energy authorities to ensure that each product is a global leader in reliability, heat output, and return on investment.

Applications:

- Domestic Hot Water
- Radiant Floor/Space Heating
- Solar Pool, Spa & Hot Tub Heating
- Residential SHW Systems
- Commercial SHW Systems
- Industrial SHW Systems
- Municipal SHW Systems
- Agricultural SHW Systems

Features:

- Ultra-high performance evacuated tube solar collector
- Industry's lowest \$/BTU
- SRCC certified
- Solar Keymark certified
- 10 year warranty available
- Multiple mounting and installation options



Technical Specifications & Features

Series Specifications

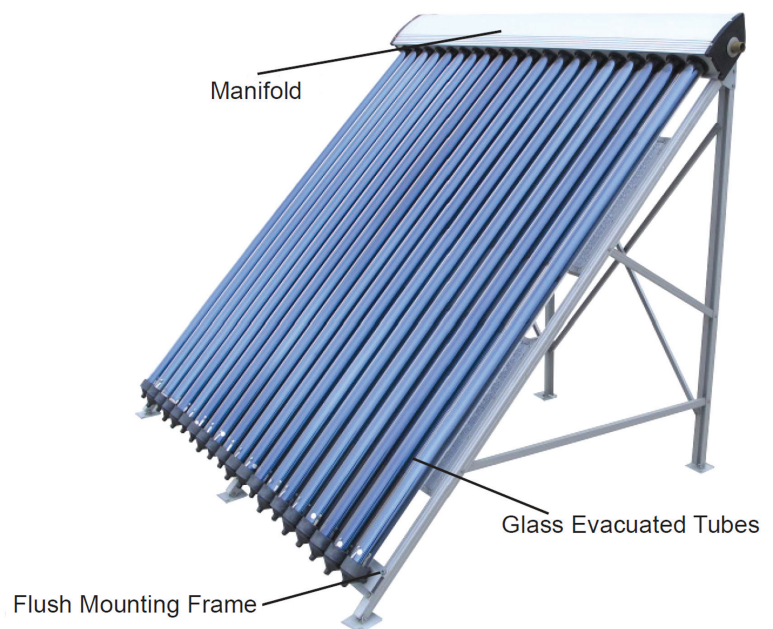
Tube Length	70"
Outer Tube Diameter	2.2"
Inner Tube Diameter	2.1"
Tube Thickness	0.1"
Tube Material	Borosilicate Glass
Tube Coating	Al - N/Al
Thermal Expansion	3.3×10^{-6}
Absorption Efficiency	> 92%
Emittance	< 8%
Vacuum P	< 5×10^{-3} Pa
Heat Loss	< $0.7 \text{ W/m}^2\text{C}$
Maximum Strength	1.0 MPa
Stagnation Temperature	> 428 °F
Flow Rate	0.028 GPM/tube
Fittings	1" NPT
Warranty	10 Years

Collector Specifications

Model	HP-30SC
# of Tubes	30
Dimensions (in)	101 x 79
Weight (lbs.)	252
Net Aperture Area (ft ²)	30.04
Storage Tank Size (G)	70+
Nominal Flow Rate (G/min)	0.84

Performance Specifications

City	HP-30SC BTU/yr
New York	6,750,000
Philadelphia	7,320,000
Miami	12,150,000
Chicago	7,080,000
Denver	8,670,000
Los Angeles	6,750,000



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