

# THE EARTHNET ENERGY<sup>®</sup> ADVANTAGE



## ENE 24 EVACUATED TUBE COLLECTOR

- INCREASED MANIFOLD PIPE DIAMETER ALLOWING:
  - HIGHER FLOW RATES
  - GREATER HEAT TRANSFER
  - HIGHER OPERATING TEMPERATURES
  - HIGHER BTU PRODUCTION
- HIGH PERFORMANCE INSULATION REDUCE HEAT LOSS AND IMPROVE HEAT TRANSFER
- CERTIFIED "L" COPPER MANIFOLD TESTED TO 725 PSI
- COMPONENTS ARE POWDER COATED STEEL FOR LONGEVITY

## HIGH EFFICIENT SOLAR TANK

- HYDRSTONE LINING FOR HIGH EFFICIENCY HEAT RETENTION AND PREVENTION FROM CORROSION
- DENSE URETHANE FOAM INSULATION TO R-16
- RUST/MAINTENANCE-FREE PLASTIC JACKET
- 20 SQ. FT. COPPER-FINISHED SOLAR REMOVABLE HEAT EXCHANGER

## SOLAR DISSIPATION KIT

- DISSIPATES UP TO 15,000 BTUs/HOUR
- INCLUDES 24 VOLT 3-WAY VALVE AND TRANSFORMER
- PREVENTS SYSTEM FROM OVERHEATING

## ADVANCED SOLAR CONTROL MODULE

- VARIABLE SPEED PUMP
- SD CARD FOR MONITORING & GRAPHING SYSTEM RESULTS
- INCLUDES FILL, FLUSH, DRAIN AND BALANCING VALVES
- THERMOMETER AND PRESSURE GEAR WITH SAFETY VALVE

## RACKING SYSTEMS

- RACKING SYSTEMS DESIGNED FOR ADJUSTABILITY AND EASE OF INSTALLATION
- HEAVY DUTY STEEL RACKING
- POWDER COATED RACKING PARTS AND ACCESSORIES FOR GREATER DURABILITY, LONGEVITY, AND APPEARANCE
- ENGINEERED TO ADAPT TO A VARIETY OF INSTALLATIONS
- PITCHED, FLAT ROOF AND GROUND MOUNTING KITS FOR ANY APPLICATION
- CUSTOMIZED LEG LENGTHS FOR ADJUSTABILITY

Authorized Dealer

Collector Specifications		Absorber Specifications	
Collector Number of Tubes	24	Vacuum Tube	Borosilicate glass
Collector Dimensions (LxWxH)	114.25"x86.0"x7.75"	Wall Thickness (Tube)	0.098 inches (2.5mm)
Collector Surface Area	67.45 s.f.	Tube Outside Diameter	4.0 inches (100mm)
Collector Absorber Surface Area	45 s.f. (4.2m <sup>2</sup> )	Tube Length	78.74 inches (2000mm)
Collector Angle of Inclination	15° 90°	Tube Weight	10.14 pounds (4.6 kg)
Collector Weight	383 pounds	Tube Vacuum	99.99999 (>10 <sup>-3</sup> Pa)
Collector Test Pressure	260 psi	Hailstone Resistant to	1.378 in (35mm) dia
Collector Operating Pressure	100psi	Light Transmission of Glass	91%
Collector Fluid Content	.6274 gal (2.375 L)	Absorber Material	Copper/Aluminum
Collector Operating Temperature	Up to 240°F	Absorber Coating	Aluminium Nitride (Al-N-O)
Module Max Temperature	374°F (190°C)	Absorption Coefficient	>92%
Heating Capacity	51,000 BTUs/Day	Emission Coefficient	<8%
Heat Dissipator	15,000 BTUs/Hour	Stagnation Temperature	477°F (247°C)
Certificates & Global Approvals	SPF, DIN4757, TUV, EN12975, SRCC	Angle of Operating Inclination	15° to 90°

**95 BRIM BLVD CHAMBERSBURG, PA 17201**  
**717-414-7652 WWW.EARTHNETENERGY.NET**