Technical Information
ETC-20 Solar Collector

Part Codes
ETC-20 Solar Collector Complete is comprised of:
1 x ETC-20-KIT (Manifold and standard frame)
2 x BOX-ET/HP-10/10 (Tubes and heat pipes)

Applications
The Apricus ETC-20 collector is designed to be used in a wide variety of solar thermal (heat) applications in almost any climate. The evacuated tube and heat pipe technology provides very efficient and reliable solar thermal production in a simple to install design.

Features
• Twin glass evacuated tube (passive solar tracking)
• Freeze resistant heat pipes
• Only 4 braze points, extremely reliable header design
• Steam-back and drain-back compatible
• Potable water certified copper header pipe
• Flared compressions fittings for reliable, leak free connections
• Cyclone rated, corrosion resistant aluminium mounting frame
• 10 year limited warranty on tubes and heat pipes
• 15 year limited warranty on copper header and AL frame
• Efficient performance at high differential temperatures

Materials of Construction
Evacuated Tubes: Borosilicate 3.3 Glass
Absorber: Cu-AL/N-SS
Heat Pipes: High purity copper
Heat Transfer Fins: Aluminium
Rubber Components: HTV Silicone Rubber
Mounting Frame: 6005-T5 Anodized Aluminium
Manifold Casing: 3003 AL, PVDF coating

Performance Data
Recommended Flow Rate: 1.4 L/min
Max Flow Rate: 15 L/min
Peak Power Output: 1342 W
Eta0: 0.714 *
a1 (W/m²K): 1.243 *
a2 (W/m²K²): 0.009 *
* Data from TUV report 154035663 for Solarkeymark certification.

Physical Specifications
Dimensions (WxHxD): 1496 x 2005 x 136mm
Aperture Area: 1.89 m²
Gross Area: 3 m²
Gross Dry Weight: 63.5 kg
Fluid Capacity: 550 ml
Max Operating Pressure: 800 kPa
Stagnation Temperature: 228°C

Certifications
Solarkeymark: 011-7S2323R
AS/NZS 2712-2007: 100633
SRCC OG100: 10001911
USEC: S-5995
NSF-61 Tested: 17248

Collector Performance (aperture area)

Sustainable HOT WATER Solutions, Delivered by APRICUS
Apricus Solar Co., Ltd
service@apricus.com  www.apricus.com

© 2014 - Apricus Solar Co., Ltd