

CoolSky Part Code – CSR00052 :

20-Way APSE Manifold, Standard Frame and 20-Tubes

Applications :

The Apricus APSE-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, low maintenance design.

Features :

- Twin glass evacuated tube (passive solar tracking)
- Freeze protected heat pipes
- 22mm Copper connections
- Recycled glass wool manifold insulation
- 10 year warranty on tubes and heat pipes
- 15 year warranty on manifold and s/s frame
- Efficient performance at high temperatures

Materials of Construction :

Evacuated Tubes :	Borosilicate 3.3 Glass
Absorber :	Al-N on Al on Glass
Heat Pipes :	High purity copper
Heat Transfer Fins :	Aluminium
Rubber Parts :	HTV Silicone Rubber
Mounting Frame :	439 Stainless Steel
Manifold Casing :	5005-H16 Anodised Aluminium

Performance Data :

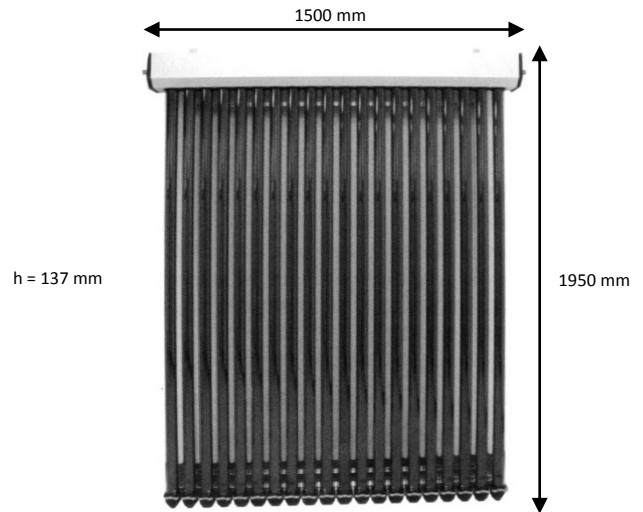
Ideal Flow Rate :	2 l/min
Max Flow Rate :	15 l/min
Peak Power Output :	1233 W
Optical Efficiency (η_0) :	0.656
a_1 Loss (W/m^2K) :	2.063
a_2 Loss (W/m^2K^2) :	0.006

Physical Specifications :

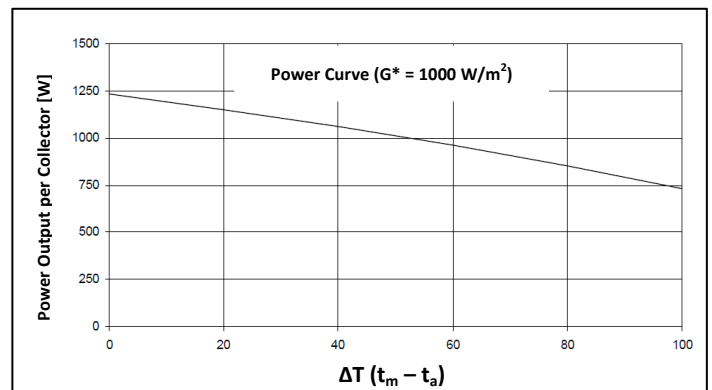
L x W x H :	1950 x 1500 x 137 mm
Aperture Area :	1.88 m ²
Gross Area :	2.96 m ²
Absorber Area :	1.6 m ²
Gross Dry Weight :	63.5 kg
Fluid Capacity :	500 ml
Max Pressure :	8 bar
Stagnation Temp. :	216 °C

International Certifications :

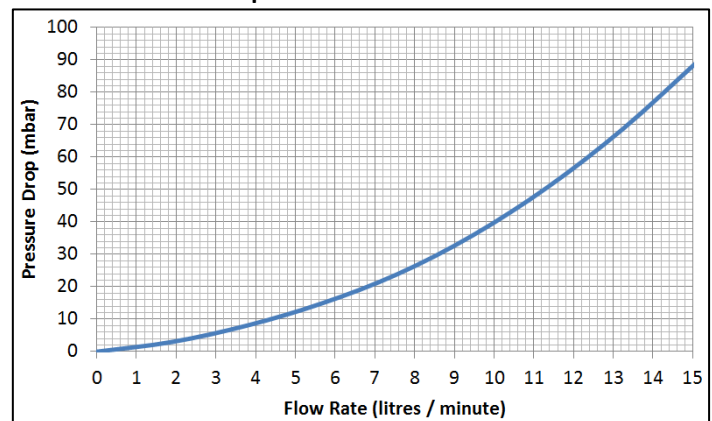
Europe :	SolarKeymark	011-75161R
USA :	SRCC OG-100	100-2007033B
Australia :	AS2712:2007	100633
New Zealand :	AS2712:2007	100633
Canada :	CSA	2375921



Collector Power Performance :



Collector Pressure Drop :



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