

**Product Name:** FPC-A32 Flat Plate Collector

**Part Code:** FPC-A32

### Applications

The Apricus FPC-A32 flat plate collector is suitable for residential or commercial domestic hot water projects.

A key feature is the light weight and low profile due to use of ultra-light melamine foam insulation.

### Features

- High efficiency Tinox energy AL solar absorber
- Ultra lightweight melamine foam insulation
- High tensile grade 6063-T5 black anodized aluminium body
- High transparency solar glass
- Harp style riser arrangement compatible with direct flow, closed loop and drain-back systems.
- Suitable for portrait or landscape orientation

### Materials of Construction

Absorber:	0.4mm / 0.015" TINOX solar AL
Header:	Ø19.1 x 1mm / Ø0.75" x 0.04"
Risers:	Ø10 x 0.7mm / Ø0.39" x 0.03"
Riser spacing:	130mm / 5.1" (total of 9 risers)
Connection:	G <sup>3</sup> / <sub>4</sub> " M thread (plus other options)
Glass:	3.2mm / 1/8" 92% Transmittance
Rubber Seals:	HTV Silicone Rubber
Collector Body:	6063 Black Anodized AL
Back Sheet:	0.8mm / 0.03" 5052-H16 AL

### Performance Data

Peak Power Output:	2114 W / 7,213 Btuh *
Eta0:	0.755 *
a <sub>1</sub> (W/m <sup>2</sup> K):	3.738 *
a <sub>2</sub> (W/m <sup>2</sup> K <sup>2</sup> ):	0.007 *
Nominal Flow Rate:	2 L/min / 0.5 Gpm
Max Flow Rate:	15 L/min / 4 Gpm

\* Data from TUV test report, 1000W/m<sup>2</sup>, based on aperture area.

### Physical Specifications

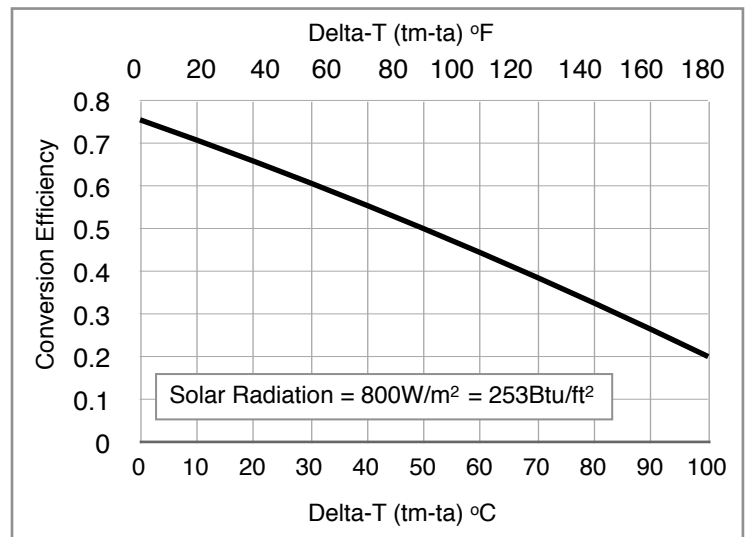
Dimensions (LxWxH):	2444 x 1223 x 80 mm 96.2" x 48.1" x 3.15"
Aperture Area:	2.8 m <sup>2</sup> / 30.14 ft <sup>2</sup>
Gross Area:	2.99 m <sup>2</sup> / 32.2 ft <sup>2</sup>
Gross Dry Weight:	46 kg / 101.2 lbs
Fluid Capacity:	1.8 L / 60.9 floz
Max Pressure:	800 kPa / 116 psi

### Certification

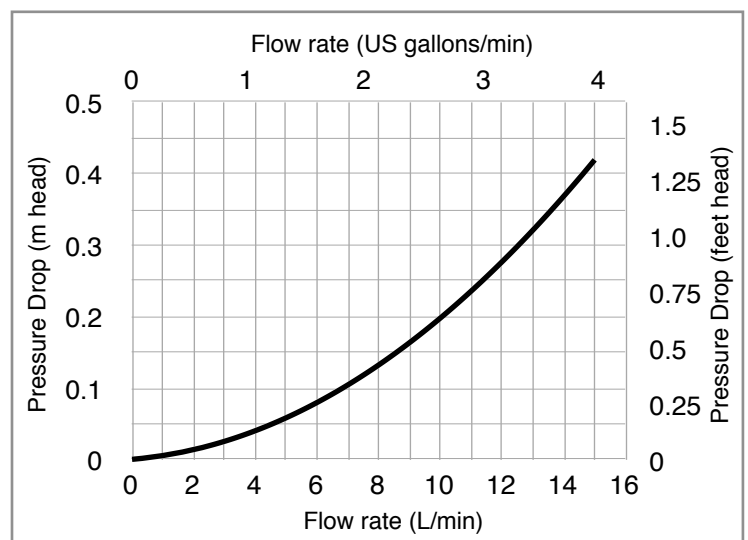
SRCC: OG-100



### Collector Performance Curve



### Pressure Drop



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