

SOLAR RAY FS70 Series

10 tube fast start highest efficiency solar hot water panel



Product Overview

The Solar Ray Fast Start FS tube has the best performance available in the market today. Not only is it 30% more efficient than our 58mm HE tube, but it also has a much quicker thermal response time of less than 2 minutes.

The single stronger 70mm outer tube removes the need for the inner glass tube of the HE model and consequently improves the heat transfer. This allows for a greater absorption area within the tube and a larger heat transmitting end.

This improved performance makes these panels the preferred choice where there are concerns about particularly difficult and variable weather conditions. It is perfect for all year hot water systems with both residential and commercial application such as indoor pools, spa complexes and underfloor heating.

The panel has an attractive brushed aluminium header, which makes it look less like a piece of functional industrial machinery but more a stylish product to complement your property or business.

As with all our panels, the FS70 range is manufactured in a factory accredited to the ISO 9001 standard and the FS70 10 tube is tested to EN 12975.

Specification

- ▶ Panel size for the 70mm 10 tube array: 120mm x 195mm
- ▶ 15 and 20 arrays also available
- ▶ Degree of Vacuum: $\geq 4 \times 10^{-6}$ Pa
- ▶ Coating: Aluminium Nitride
- ▶ Absorption coefficient: ≥ 0.94
- ▶ Emissivity: ≤ 0.07
- ▶ Starting temperature: ≤ 25 C
- ▶ Max. temperature: 250 C
- ▶ Service life: ≥ 15 years
- ▶ Wind resistance: 30m/s (force 11)
- ▶ Glass material: 35mm high quality borosilicate glass
- ▶ Absorber fin: aluminium profile
- ▶ Size of single tube: 70mm x 1800mm
- ▶ Weight of single tube: 2.2kg
- ▶ Size of condenser end: 14mm x 75mm
- ▶ Hail proof: 35mm diameter hailstones
- ▶ Manufacturer's 10 year warranty



SOLAR RAY
Natural Energy

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- ▶ Performs efficiently in winter and cloudy skies
- ▶ Cost effective
- ▶ Price competitive
- ▶ Highly durable
- ▶ Easy to install