

A photograph of three rows of VTN Evacuated Tube Collectors (ETCs) is shown. Each row consists of multiple parallel glass tubes held together by black metal frames. The tubes are arranged in a perspective that recedes into the distance. The background is a soft-focus green, suggesting foliage, with a bright light source creating a lens flare effect on the right side.

VTN  
Evacuated Tube  
Collectors

**For solar water heating**

**[www.calpak.co.uk](http://www.calpak.co.uk)**

## Calpak VTN Evacuated Tube Collector

# The high performance solar collector for the UK.

The Calpak VTN collector has been designed and is manufactured in Europe, achieving consistently high quality and performance through the unique compound parabolic reflector and triple insulation technology.

### Why use the Calpak VTN Collector?

- Designed specifically for UK climate;
- Incorporating CPC reflector for optimal performance in diffused light;
- Factory assembled and tested, minimises installation time;
- Aluminium construction for strength and low weight;
- Quick and easy roof mounting system;
- Simple maintenance – replace tubes without draining the system;
- Certified Solar Key Mark and EN 12975-2;
- UK grant approved.



#### CLEAR SKIES NO. ST1134



**Approved quality:**  
Solar Key Mark,  
EN 12975-2, CERTIF,  
EN ISO 9001:2000, ELOT  
**Certified Performance:**  
ITW Stuttgart, INETI,  
CENER, Demokritos



Calpak is a member of  
the official  
**European Solar Thermal  
Industries Federation**

		VTN10	VTN14
Dimensions:	Length	1600 mm	1600 mm
	Width	1110 mm	1550 mm
	Height	100 mm	100 mm
Weight		30 kg	41 kg
Gross Area		1.80 m <sup>2</sup>	2.50 m <sup>2</sup>
Aperture area		1.60 m <sup>2</sup>	2.30 m <sup>2</sup>
Absorber area		1.70 m <sup>2</sup>	2.40 m <sup>2</sup>
Number of evacuated tubes		10	14
Maximum working pressure		10 Bar	10 Bar
Cover material			Borosilicate glass 3.3
Vacuum			p 0.005 Pa
Surface treatment			Selective sputtered
Header insulation		Expanded polyurethane (40-45 kg/m <sup>3</sup> ) and mineral wool	
Frame		Black anodized aluminum	
Reflector		High reflection aluminum (CPC-Type)	
Certification EN 12975-2/ISO 9806-1 Solar Key Mark		✓	✓

For further information and prices, contact our head office:

**www.calpak.co.uk**

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