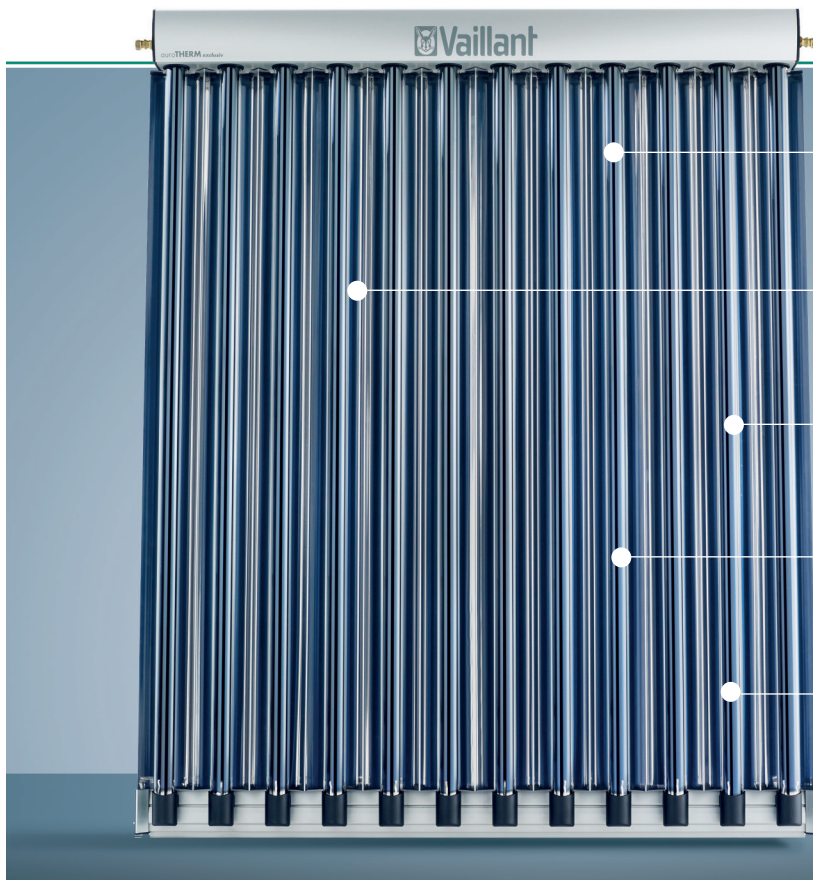


auroTHERM exclusive 1140

Cold Climate Efficiency



DURABLE VACUUM TUBE

Completely enclosed in glass for longevity

EXTERNAL REFLECTOR CPC

Optimum solar yield

EASY INSTALLATION

Low weight and quick connections

HIGHEST SOLAR YIELD

Due to Aluxid® highly selective absorber coating

SERVICABLE PARTS

Replaceable components and tubes

Operating Efficiency:

The external reflector known as a compound parabolic concentrator (CPC) has the highest annual solar yield per square meter area of any Vaillant collectors.

Vacuum Sealed:

Internally coated with a highly selective aluminum nitrate absorber coating for maximum solar radiation absorption.

Modern Design and Layout:

The tubes have an appealing streamlined design, and multiple collectors can be easily fitted in horizontal series, as required.

Durability that Lasts:

The vacuum tubes are completely enclosed in borosilicate glass and have a vacuum seal for longevity. There are no leak prone metal-glass interfaces. Collector tubing is stainless steel.

Easy Installation:

Brackets are available to suit most pitched roofs, and a-frames are available for flat roof installations. Due to their low weight and smaller dimensions, vacuum tube collectors offer easy installation and handling.

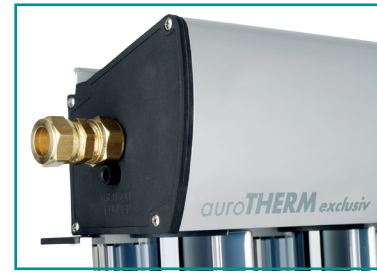
OVERVIEW

Vaillant™ solar vacuum tube collectors are manufactured using toughened glass and each tube is internally coated with a special highly selective absorber coating. The evacuated tube has an external reflector known as a compound parabolic concentrator (CPC) and has the highest annual solar yield per square meter area of any Vaillant collectors. Vaillant's evacuated tube collectors work with an existing water heater so users can enjoy hot water, day and night.

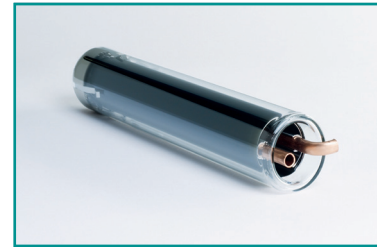
For more information visit us online at www.vaillantsolarsystems.com

PRODUCT SPECIFICATIONS

SOLAR PANEL		auroTHERM exclusive 1140
Gross Collector Area	ft ²	24.8 ft ²
Aperture Area	ft ²	21.5 ft ²
Height	inches	64.9"
Width	inches	54.8"
Depth	inches	4.3"
Weight	pounds	81.6
Collector Absorption	%	94%
Collector Emission	%	5%
Transmission	%	95%
Solar Efficiency	eta 0	81.8
	K1	3.4
	K2	0.01
Absorber Materials		Stainless Steel / Glass
Operating Pressure (max.)	PSI	145
Stagnation Temperature	°F	428°
SRCC Certification		Pending



Connector



Heat Transfer Components

auroTHERM exclusive WARRANTY

Vaillant Solar Systems offers a ten year warranty on the auroTHERM solar collectors. A two-year warranty is extended to the balance of the Vaillant system. Labor warranties vary by individual installer.

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