

# HOT WATER FROM THE SUN

DESIGNED  
FOR FLAT  
ROOF  
BUILDINGS

NO OVER  
HEATING  
ISSUES

NO HARD  
WATER  
ISSUES

## SolarisKit HelioFlow® SOLAR THERMAL COLLECTOR



HOMES/BUILDINGS



POOLS



SPAS



# SolarisKit

Empowering People

The smart way to harness sunlight.

## HelioFlow® SPECIFICATIONS

Pressure Rating	5 BAR
Stagnation Temperature <sup>1</sup>	90°C
Package Dimensions	540 X 540 X 170 mm
Collector Dimensions	510 x 510 x 460 mm
Package Weight	10kg
Collector Weight	7.9kg
Fluid Volume	1.42 litres
Inlet/Outlet Connections	12mm pipe
Absorber Material	Thermoplastic
Side Panel Material	Solar Glass, 92% transmittance
Hail Impact Testing	Up to 35mm
$\eta$	0.487
$\alpha^1$	11.64 Wm <sup>-2</sup> K <sup>-1</sup>
$b^2$	0.002 Wm <sup>-2</sup> K <sup>-2</sup>
Certification And Standards Compliance <sup>2</sup>	ISO 9806:2017 EN 12978:2022

<sup>1</sup>Standard stagnation temperature at 1000 W/m<sup>2</sup> and 30°C

<sup>2</sup>Testing completed by accredited solar test lab

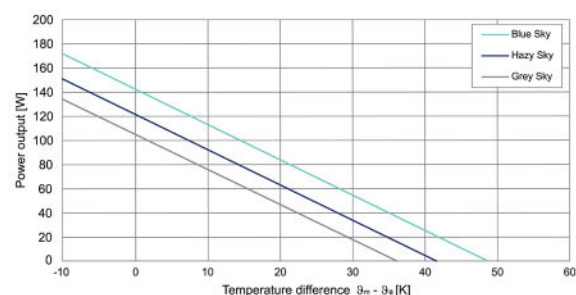


Fig. 1. Performance curve for HelioFlow solar collector

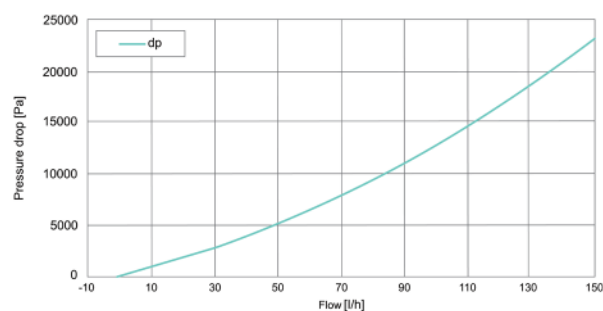


Fig. 2. Pressure drop curve for HelioFlow solar collector



Solar Keymark Certified and Tested to EN 12975 and ISO9806 standards. All testing carried out by third party accredited solar test lab.

# Why HelioFlow® is the smart way to harness sunlight

There's nothing else like the SolarisKit HelioFlow® solar collector, here's why.

## Designed for Flat Roofs

Patented prismatic design is perfect for flat roofs

- ✓ Only 460mm in height providing a modern, attractive, and discrete solar solution
- ✓ No rooftop pitching hardware needed, simplifying the installation process
- ✓ No need to orientate towards the equator thanks to HelioFlow's smart design and geometry

## Reliable and Long Lasting

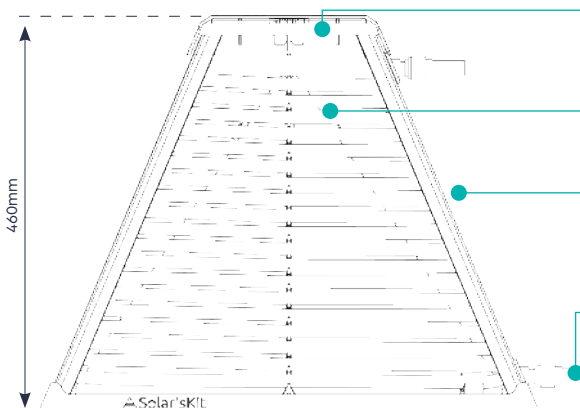
Unique polymer solar absorber

- ✓ Compatible with all water types thanks to its high-quality polymer absorber coil
- ✓ Reduced hard or mineralised water issues improving product lifetime
- ✓ Avoids reaching excessive temperatures enhancing safety while reducing stress on materials
- ✓ Lightweight design for one-person, lowering system installation cost

## Economical-to-Ship

The world's first flat-packed solar collector

- ✓ The HelioFlow solar collector is manufactured as a flat-packed product, reducing shipping costs
- ✓ May be shipped to installation site using regular vehicles, no special transportation needed
- ✓ Reduced breakage rates compared
- ✓ 1 x pallet = 52 HelioFlow solar collectors
- ✓ 1 x 40ft container = 1,040 HelioFlow solar collectors installation cost

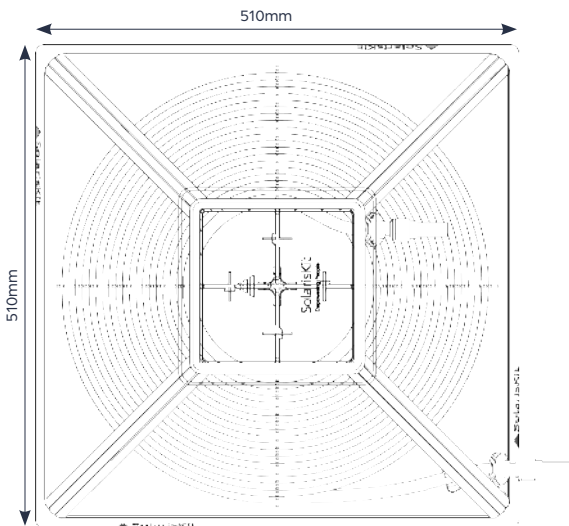


**Unique prismatic design** solar collector can be simply placed on roof-top without complex orientation thanks to its symmetrical design and passive solar tracking.

**Engineered thermoplastic absorber** is suitable for all water types and resistant to damage caused by heating hard and mineralised water.

**Modular and space efficient** with an area of only 0.29m<sup>2</sup>, each HelioFlow solar collector has a minimal footprint. Multiple solar collectors are quickly and easily combined to increase hot water production.

**Quick fit style connections** simplify and fasten the installation process. No threads or brazing involved, simply push the fittings on to lock and seal in place.



## SolarisKit HelioFlow®

vs. Competitor Solar Thermal Collector

FEATURE COMPARISON	HelioFlow®	Competitor
Designed for flat roofs	✓	✗
Warranty restriction due to water condition	NO	YES
Low Product Weight	✓	✗
Saltwater resistant	✓	✗
Corrosion resistant	✓	✗
Avoids reaching dangerous temperatures	✓	✗
Easy to transport and install	✓	✗



**SolarisKit**  
Empowering People

For more information, call **+971 585 814 687**.  
Visit **solariskit.com** or see your local distributor