

Zenith Inset

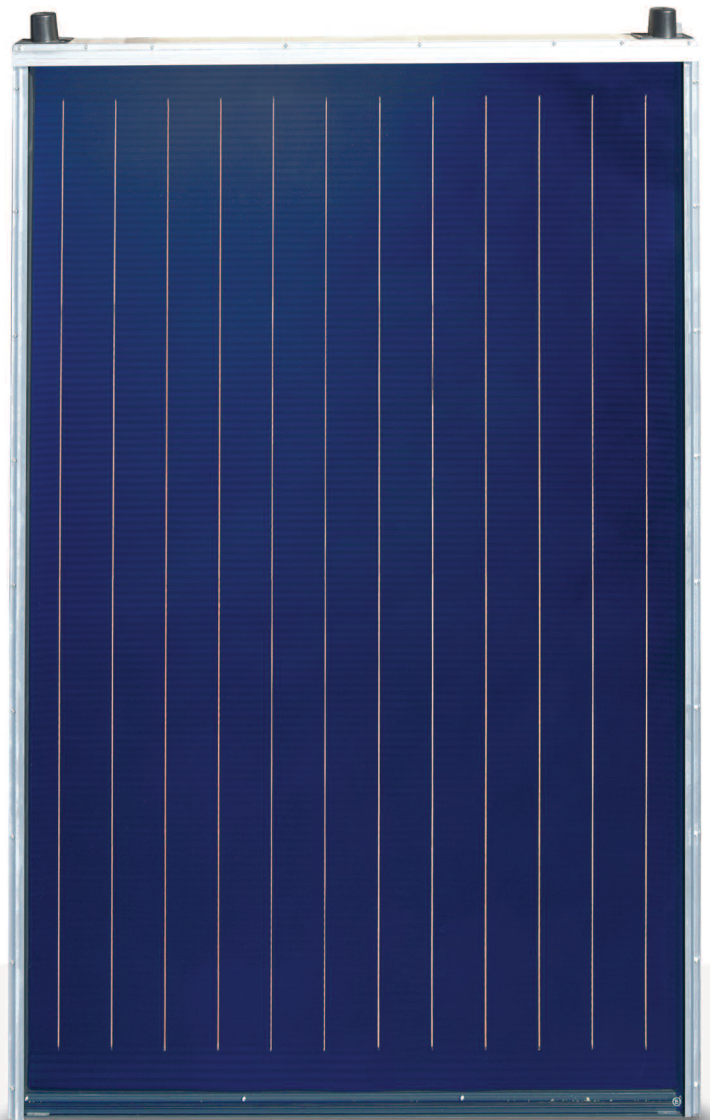
Solar thermal collectors

TEMPERED GLASS

HIGHLY SELECTIVE FINISH

IDEAL FOR NEW BUILD
APPLICATIONS

SOLAR KEYMARK SEAL OF
APPROVAL



Zenith Inset

Solar thermal collectors

SPECIFICATIONS	Zenith Inset Collector
Total area	2.52m ²
Exposed area	2.32m ²
Effective absorption area	2.28m ²
Connections (M - F)	1 inch
Empty weight	54 kg
Liquid content	1.70 L
Recommended flow rate per m ² of collector (per hr)	30 L
Glass type	Safety glass with anti-reflective surface
Glass thickness	4 mm
Absorption (α)	95%
Emissions (β)	5%
Maximum permitted pressure	10 bar
Maximum temperature	230°C
Dimensions	
Height (mm)	2058
Width (mm)	1229
Depth (mm)	105

BOILER COMPATIBILITY		
Mynute 12HE	Mynute 25HE	Mynute 12VHE
Mynute 30HE	Mynute 15HE	Mynute 15VHE
Mynute 35HE	Mynute 20HE	Mynute 20VHE

OPTIONS	
Description	Code
Aquaflow Twin Coil Cylinder 250	924
Aquaflow Twin Coil Cylinder 300	925

Zenith (Pitched) Inset Collector Package Includes
Zenith Inset Solar collectors (x2)
Roof fixing kit for two collectors
Flashing kit for two collectors
Premium controller (3 temp)
Pump station (return only)
18L expansion vessel
Flex & support for 18L expansion vessel
Glycol 10L (Undiluted)
Manual air discharge
Insulated pipe 25m (DN15)
Fittings kit
Package code
582

High build quality designed to use both direct sunlight and daylight maximising energy performance even on cloudy days.

Ideal for new build applications with Solar collectors sitting in the roof, therefore requiring less roof tiles and resulting in a neat and discreet finish.

The collectors have an aluminium body, with a single - piece copper absorber plate to create a greater reflective surface, maximising energy performance.

Zenith Solar thermal packages include an intelligent controller for increased functionality and flexibility.

Flat plate collectors achieve optimum performance when positioned on a south facing roof at an angle of 35° and 45°. If this position is not possible a split system could be used whereby one collector would be placed on the east facing side of the roof and another on the west.

A highly selective finish on the copper absorber plate guarantees exceptional absorption performance.

Low iron oxide content for high energy transmission and to minimise corrosion.

Heat transfer fluid flows through 12 individual copper pipes in the collector creating a larger surface area for the liquid, therefore increasing the level of absorption.

As a guide 1m² of Solar collector is required per person and up to 6 collectors can be connected in a series.

Zenith Solar thermal collector systems are pressurised which provides greater flexibility for siting of the collector and a faster reaction time to daylight and sunlight, maximising the sun's energy.

The bottom and walls of the tray are lined with 4cm of rock wool insulation to maximise heat retention and energy efficiency.

Each collector is protected with tempered glass to withstand extreme weather conditions, such as hail stones.

A well installed Zenith system will provide reliable, long lasting and extremely efficient service with a life expectancy of approximately 20+ years.

Solar Keymark seal of approval.



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