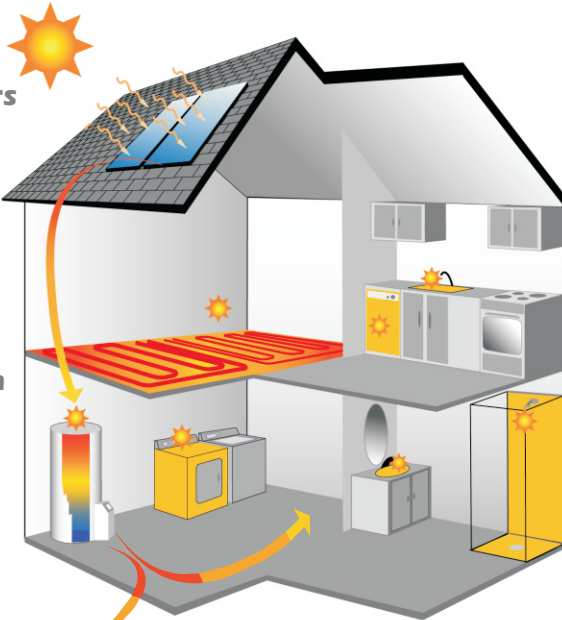


# THE SPECTRUM PRE-HEAT APPLIANCE

A pre-assembled, reliable, compact unit for residential use

## A – Solar Collectors

Absorbs 94% of the sun's energy



## B – Energy Station

Transfers the solar thermal energy from the collector(s) to the cold water (MAINS).

## C – Solar Storage Tank

Stores Solar Heated Water for household use



## FEATURES AND HIGHLIGHTS

### • Energy savings

- Cut water-heating energy requirements by 50% for northern and 80% for southern climates
- Reduce the impact of rising energy prices

### • Designed for all climates

- Patented overheat protection
- Heat transfer fluid provides freeze and corrosion protection

### • Reliable

- Patented Passive Anti-Fouling Protection ensures long-term performance and assured operation
- Expected lifespan of over 25 years.

Sizing system for Cool Climate (above 37° N\*\*)

People in the Home	System Size	Solar Storage Tank Size
2-3	1 Collector	50-60 US gal
3-5	2 Collectors	80 US gal
5-7	3 Collectors	120 US gal
7-10	4 Collectors	

Sizing for Warm Climate (below 37° N\*\*)

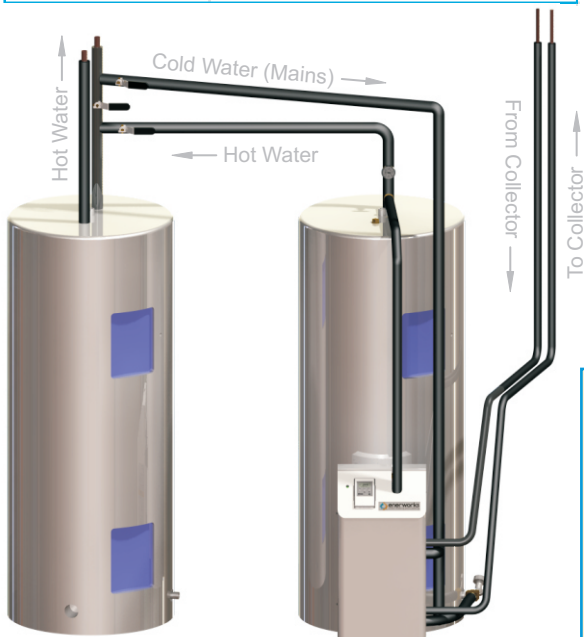
People in the Home	System Size	Solar Storage Tank Size
2-4	1 Collector	65-80 US gal
5-7	2 Collectors	120 US gal

\*\*Guideline only, decision varies with climate, altitude and local conditions. For commercial applications, contact Enerworks. Assembled in Canada from domestic and imported components

Harness the sun's energy to heat your water—a clean, cost-effective solution!

## TECHNICAL SPECIFICATIONS

HeatSafe Solar Collector	
Dimensions (W x H x D)	4' x 8' x 3" (1.219m x 2.438m x 7.6cm)
Weight	110 lbs. (50 kg)
Temperature Control	US Patent Stagnation Device
Absorber	Copper tube laser welded to aluminum sheet - absorptance 94%
Glazing	Low-iron, patterned, tempered glass
Mounting hardware	Roof, rack or wall mounted with proprietary brackets
Optional	Leaf-Guard for application where leaves and other debris could collect under collectors.
Energy Station	
Dimensions (W x H x D)	13" x 24" x 8" (320mm x 612mm x 210mm)
Weight	33 lbs. (15 kg)
Pump	115V/single phase/60Hz
Controller	Diferential setpoint-type, digital
Heat Transfer Fluid	Tyfocor Type L
Expansion tank	Coated steel tank with internal bladder
Heat Exchanger	Brazed-plate stainless steel (Single and double wall)
Back Flow Valve	Patented Ainti-Fouling Protection
Solar Storage Tank	
Type	Standard North American electric preheat storage tank
Auxiliary Storage Tank	
Type	New or existing tank (electric, natural gas, propane, oil)
Bonded line-Set	
Type	Bundle copper, control wire and insulation.
Material	3/8" flexible copper/closed-cell insulation with UV and abrasion protective layer.
Length	50' and 75' (15.24m and 22.86m)

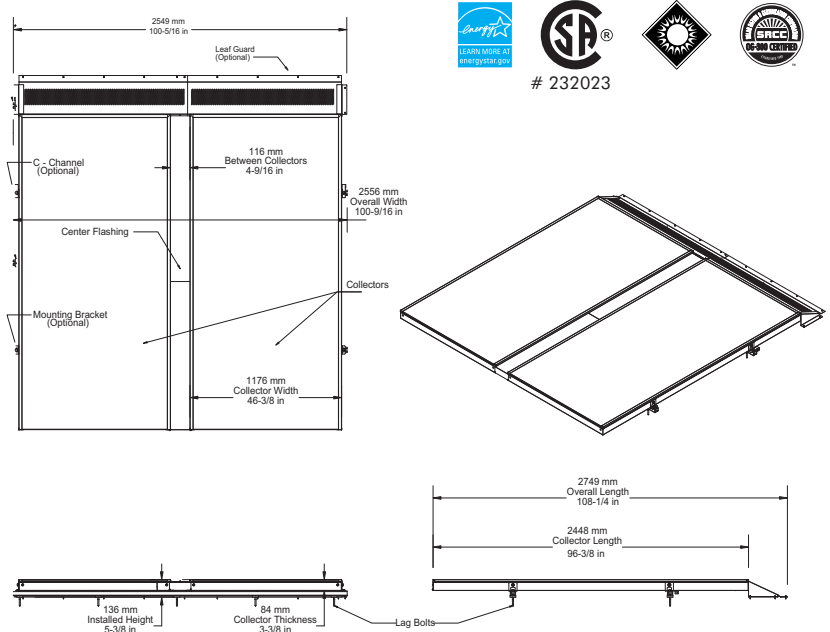


Specturm Pre-Heat System

## PRODUCT TECHNICAL SPECIFICATIONS

### HEATSAFE SOLAR COLLECTORS

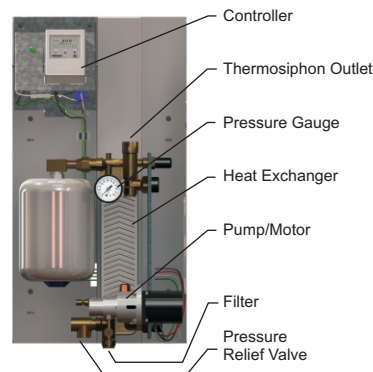
Two collectors shown. One collector appliance also available.



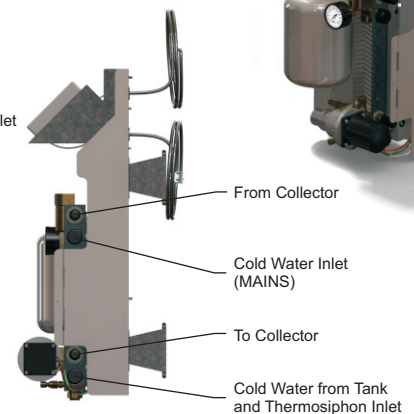
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### ENERGY STATION

#### Front view (cover removed)



#### Side view



## COMPANY PROFILE

**Enerworks Inc.** is a leading North American manufacturer of solar thermal products for pool heating, domestic water heating and process heat. For more information about our products visit:

**EnerSol Solar Pool Heaters:**

[www.enersol.com](http://www.enersol.com)

**Enerworks Residential Solar Hot Water Products:**

[www.simplysolarthermal.com](http://www.simplysolarthermal.com)

**Enerworks Commercial Solar Thermal Products:**

[www.enerworks.com/commercial](http://www.enerworks.com/commercial)

**Contact us:**

[www.enerworks.com/contact-us/](http://www.enerworks.com/contact-us/)  
1-877-268-6502