

THE SPECTRUM PRE-HEAT APPLIANCE

A pre-assembled, reliable, compact unit for residential or lite commercial use

A – Solar Collectors

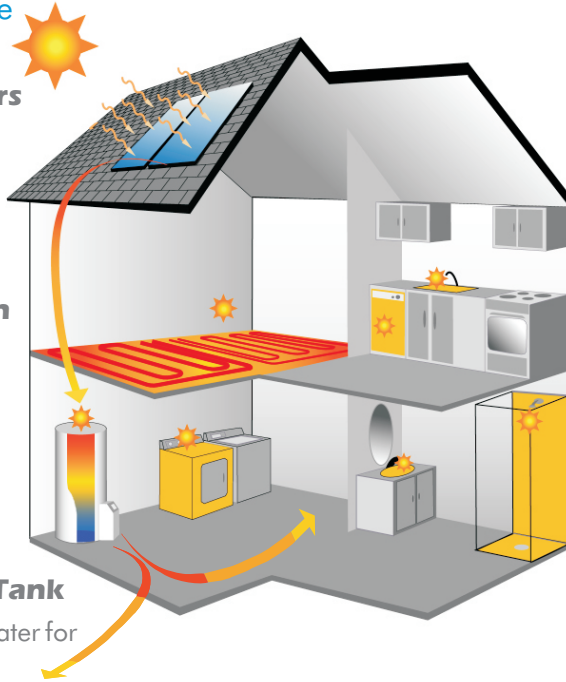
Absorbs 94% of the sun's energy

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**)

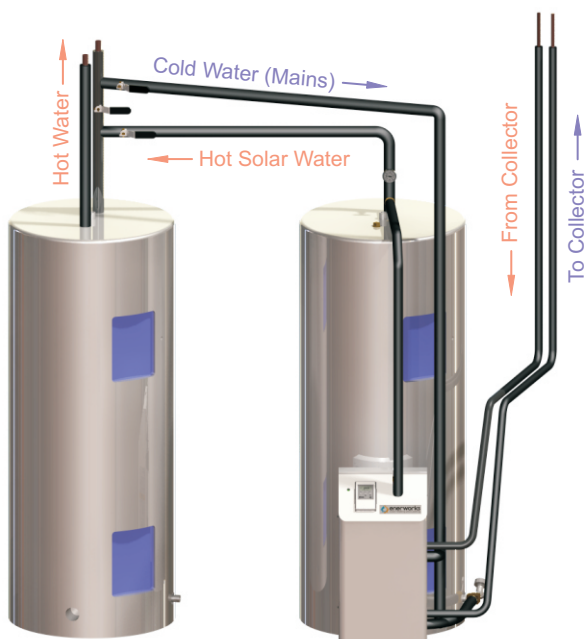
People in the Home	System Size	Solar Storage Tank Size
2-4	1 Collector	65-80 US gal
5-7	2 Collectors	120 US gal

**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)	46.25" x 96.25" x 3.25" (1175mm x 2445mm x 83mm)
Weight	110 lbs. (50 kg)
Temperature Control	US Patented 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 gather under collectors.
Energy Station	
Dimensions (W x H x D)	13" x 24" x 8" (320mm x 612mm x 210mm)
Weight	SWHX = 33 lbs. (15 kg) DWHX = 45 lbs. (20 kg)
Pump	115V/single phase/60Hz
Controller	Differential 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 Anti-Fouling Protection
Solar Storage Tank	
Type	Standard North American electric storage tank used as solar tank
Auxiliary Storage Tank	
Type	New or existing tank (electric, natural gas, propane, oil)
Bundled line-Set	
Type	Bundled 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)

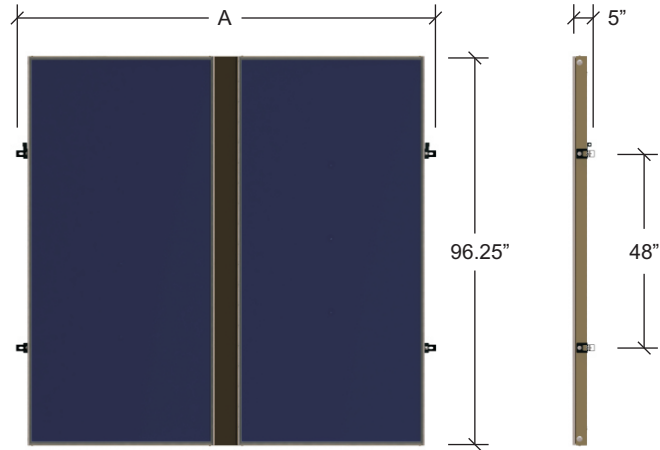


Spectrum Pre-Heat Appliance

PRODUCT DETAILS

HEATSAFE SOLAR COLLECTORS

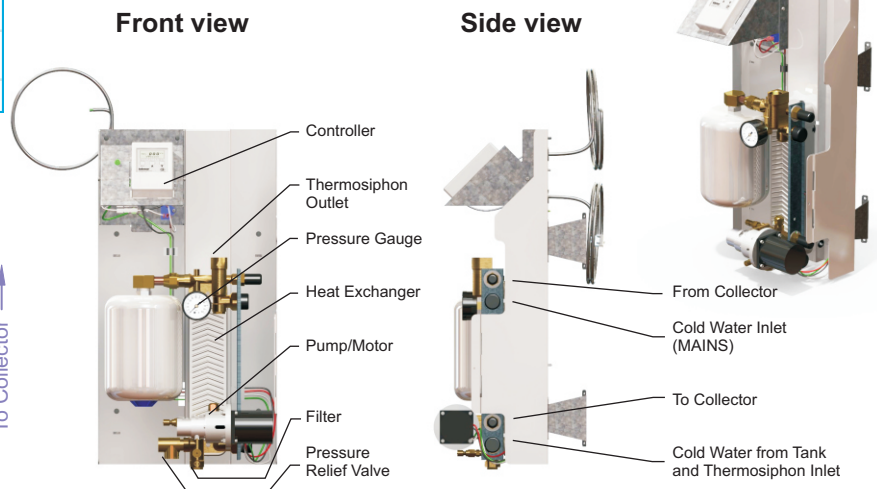
Two collectors shown. One, three and four collector appliance also available.



Collector bank dimensions				
Dimension	# of collectors			
	1	2	3	4
A	53.50" (with side flashing)	98.25"	150.25"	202.25"

ENERGY STATION

Single wall heat exchanger shown (cover removed).



COMPANY PROFILE

Enerworks Inc. is a leading North American manufacturer of solar thermal products. For more information about our products visit:

Solar Pool Heaters:	www.enersol.com
Residential Solar Hot Water Products:	www.simplysolarthermal.com
Commercial Solar Thermal Products:	www.enerworks.com/commercial
Solar Space and Water Heating:	www.solarthermal.com
Contact us:	www.enerworks.com/contact-us/ 1-877-268-6502