

SUPER SOLAR COMBI TANKS

A North American made - most cost effective - long term solution for combination solar heating systems



PRODUCT DESCRIPTION

The Enerworks Super Solar Tanks are designed to be the most comprehensive combination solar tank on the market. This tank simplifies controls and complicated piping arrangements to provide the most cost effective long term solution for combination solar heating systems. With its unique features and options, there is almost no job this tank won't be suited for. Designed for quick and simple installation in the field.

FEATURES AND HIGHLIGHTS

- **Stainless steel construction** on both tank and heat exchanger offers maximum corrosion protection and life expectancy.
- **Rapidly transfer solar energy into the tank** with two 40' long x 1.25" diameter stainless steel coils providing a total of 26 square feet of heat transfer surface.
- **4" of polyurethane foam insulation** provides industry leading heat retention to minimize wasted energy through standby losses.
- **Built in surface and immersion sensor locations** tie all systems together without complicated controls or additional mechanical components.
- **Provides additional flexibility for other fuel sources** with input ports for geothermal water heating and wood boiler heating supply.
- **Uniquely designed** cold water inlet port prevents sediment build up.
- **Provision for on demand water heater back up** allow the use of propane, or natural gas back up with solar water and space heating applications.
- **Double wall heat exchangers** (with visible leak detection) option available to meet local codes.
- **15 years limited manufacturer's warranty**
- **Powder coated casing** for high quality finish and durability

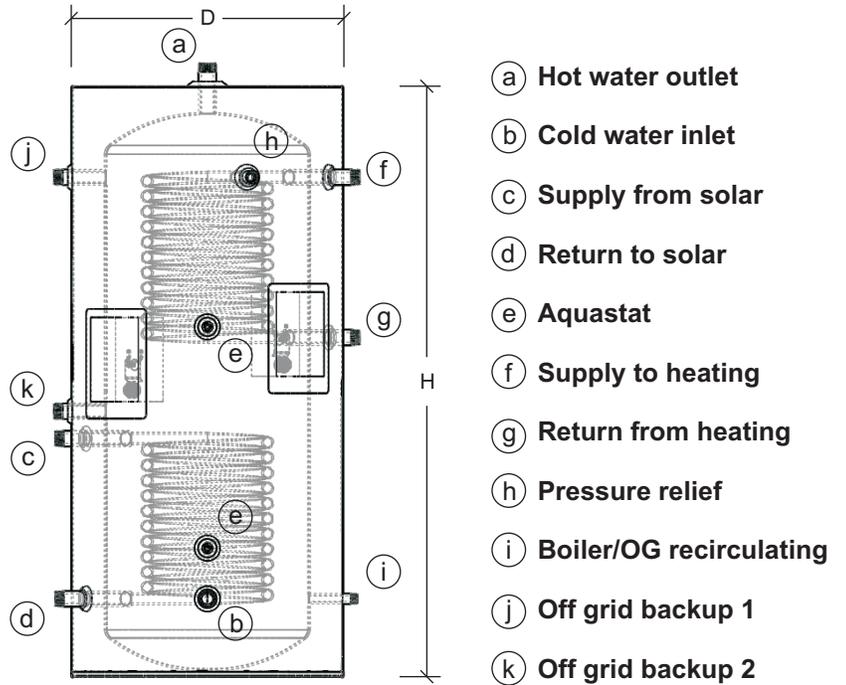
TECHNICAL SPECIFICATIONS

Specifications	Junior Super Solar Combi Tank	Super Solar Combi Tank
Tank capacity	80 U.S. gal. 303 L.	120 U.S. gal. 454 L.
Diameter (D)	27 in. 686 mm.	32 in. 813 mm.
Height (H)	66 in. 1676 mm.	70 in. 1778 mm.
Shipping weight	333 lbs. 151 kg.	370 lbs. 168 kg.
Insulation thickness	4 in. / 102 mm.	
Max. operating pressure	150 psi. / 10 bar	
Max. operating temperature	175 °F. / 79 °C.	
Coil length (per coil)	40 ft. / 12192 mm.	
Upper coil surface area	13.09 sq.ft. / 1.2 sq.m.	
Lower coil surface area	13.09 sq.ft. / 1.2 sq.m.	
Pressure drop per coil (@ 26 gpm./98 lpm.)	9 ft. water. / 2743 mm.water.	

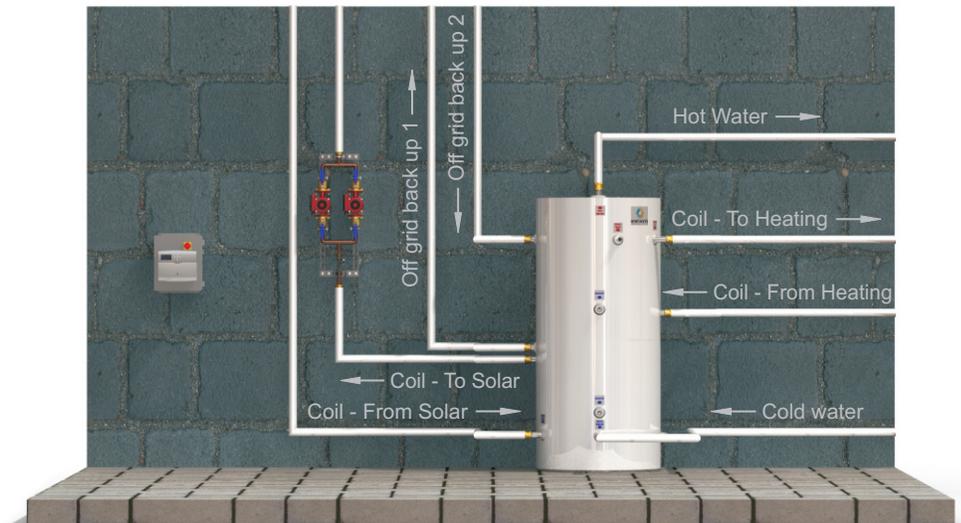
PRODUCT DETAILS

SCHEMATIC

Two coils tank shown



CROSS SECTION VIEW



Combination Solar Heating System

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

Commercial Solar Thermal Products: www.enerworks.com/commercial Solar Space and Water Heating: www.solarthermal.com

Solar Pool Heaters: www.enersol.com Residential Solar Hot Water Products: www.simplysolarthermal.com