



Solar Series Single Wall Energy Saver Water Heater



Photo is of
N-SW2-60R5DS

The Solar Series Single Wall Models feature:

- **Heat Exchanger**—Single Wall 1½" O.D. glass coated (Ultonium®) steel coil. The coil has a heat transfer area of 14.2 sq. ft. and a stored water volume of 2.5 gal. Maximum supply temperature from the solar collector must not exceed 250°F.
- **Sensor Wires for Solar Thermistor Connections**—Twisted wires are provided under the Upper and Lower covers. These wires have been provided as a means for connecting thermistors to a solar controller (Thermistors and Solar Controller are not provided).
- **Honeywell Manual Temperature Control**—The Honeywell mixing device is manually set and is easily installed. It ensures a comfortable outlet temperature while providing a steady flow of hot water.
- **Double Element Backup**—Allows entire storage tank to hold hot water during periods where solar heating is not available.
- **Factory Installed Sediment Reduction System**—Cold water inlet sediment reducing device helps prevent sediment build up in tank. Increases first hour delivery of hot water while minimizing temperature build up in tank.
- **Ultonium® Lining**—Water heater tanks are protected from the corrosive effects of hot water by an exclusive ceramic porcelain-like coating. The high silica Ultonium® lining provides a tough interior surface for our hot water tanks.
- **Fully Automatic Controls**—Fast acting surface-mount thermostats for automatic temperature control. Factory installed sensitive manual reset energy cutoff for safety to prevent overheating.
- **Supply and Return Connections**—1" NPT female connections are located on the front for both the solar collector supply and return.
- **2" Non-CFC Foam Insulation**—Covers the sides and top of tank, reducing the amount of heat loss. This results in less energy consumption, improved operation efficiencies and jacket rigidity.
- **Potable Water Connections**—¾" NPT factory installed true dielectric fittings extend water heater life and eases installation.
- **Two Protective Aluminum Anode Rods**—Provide added protection against corrosion for long trouble-free service.
- **Direct Heat Transfer With Immersed Incoloy Elements**—Transfers heat directly and efficiently to the water. Screw-in style.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.
- **T&P Relief Valve**—Included.
- **Brass Drain Valve.**



5-Year Limited Tank Warranties / 5-Year Limited Warranty on Component Parts.

For more information on warranty, please visit www.nilesst.com

For products installed in USA, Canada and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,954,492; 5,761,379; 5,943,984; 5,081,696; 5,988,117; 6,142,216; 5,199,385; 5,574,822; 5,372,185; 5,485,879; 5,277,171; (B1)5,341,770; 5,660,165; 5,596,952; 5,682,666; 4,904,428; 5,023,031; 5,000,893; 4,669,448; 4,829,983; 4,808,356; 5,115,767; 5,092,519; 5,052,346; 4,416,222; 4,628,184; 4,861,968; 4,672,919; Re. 34,534; 7,270,087 B2. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 1,272,914; 1,280,043; 1,289,832; 2,045,862; 2,112,515; 2,108,186; 2,107,012; 2,092,105; 2,409,271. Ultonium® is a registered trademark of Niles Steel Tank.

Solar Series Water Heater

Single Wall Energy Saver Models

Meet or exceed ASHRAE 90.1b (current standard)

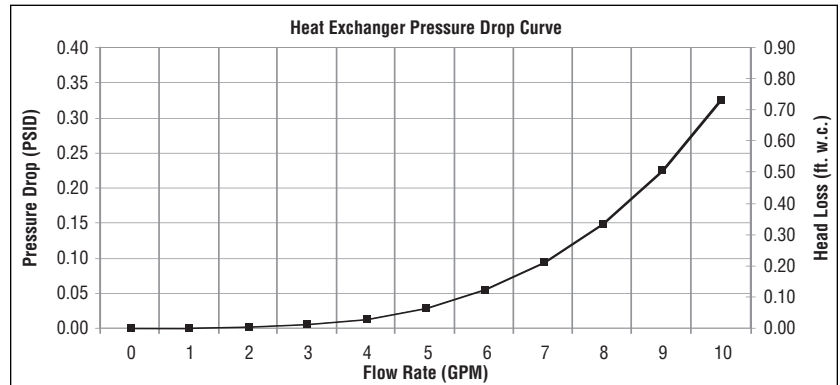
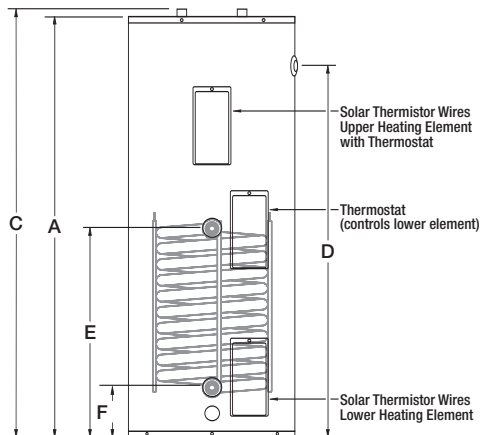
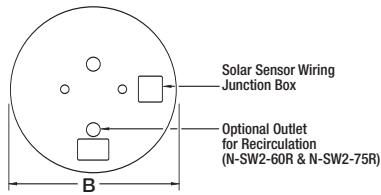
Model Number	Capacity		Recovery at 90°F Rise*		A Floor to Heater Top	B Jacket Dia.	C Floor to Water Conn.	D Floor to T&P Conn.	E Floor to Solar Collector Supply	F Floor to Solar Collector Return	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.	U.S. GPH	Imp. GPH	in.	in.	in.	in.	in.	in.	lbs.
N-SW2-60R5DS	60	50	20	18	59 ¹ / ₄	22	60 ¹ / ₄	53	29 ¹ / ₂	7 ³ / ₈	210
N-SW2-75R5DS	75	62	20	18	59 ¹ / ₄	24	60 ¹ / ₄	53	29 ¹ / ₂	7 ³ / ₈	236
N-SW2-115R5DS	115	96	20	18	62 ³ / ₄	28 ¹ / ₄	62 ¹ / ₄	55 ³ / ₄	29 ¹ / ₂	7 ³ / ₈	340

Model Number	Capacity		Recovery at 50°C Rise*		A Floor to Heater Top	B Jacket Dia.	C Floor to Water Conn.	D Floor to T&P Conn.	E Floor to Solar Collector Supply	F Floor to Solar Collector Return	Approx. Shipping Weight
	Liters	Liters/ Hour	Liters/ Hour	Liters/ Hour	mm.	mm.	mm.	mm.	mm.	mm.	kg.
N-SW2-60R5DS	227	76	76	76	1504	559	1530	1346	749	187	95
N-SW2-75R5DS	283	76	76	76	1504	609	1530	1346	749	187	107
N-SW2-115R5DS	435	76	76	76	1593	717	1581	1416	749	187	154

*Based on 4500W/4500W, Non-Simultaneous operation.
Optional 5500W/5500W, Non-Simultaneous operation.

Electric Backup Water Heater Ratings

Model Number	First Hour Supply (Gal.)	Standby Heat Loss Rating (°F/Hr.)
N-SW2-60R6DS	84	1.1
N-SW2-75R6DS	97	0.9
N-SW2-115R6DS	133	0.7



General

All electric water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All potable water and electrical connections are 3/4" NPT (19mm) on 8" (203mm) centers. All models UL listed.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

Suitable for Water (Potable) Heating and Space Heating.

Toxic chemicals, such as those used for boiler treatment, shall NEVER be introduced into the potable side of this system. The potable side may NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance.



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