



Solar Series DC Solar Indirect System Dual Coil Heat Exchanger Backup Models



Photo is of
N-DC-DW2-55R5SW

The Solar Series Dual Coil Models feature:

- **Applications**—Dual heat exchangers located inside the tank may be connected to a variety of different heating systems. Solar heating, Space heating, Geothermal heating, and Boiler heating. The above systems can also be utilized in separate, or in combined configurations resulting in greater application flexibility.
- **Dual Coil Design**—A single wall, 1½" O.D. glass coated (Ultonium®) carbon steel heat exchanger is located in the upper portion of tank and provides enhanced heat transfer capability. A double wall, 1½" O.D. glass coated (Ultonium®) carbon steel heat exchanger is located in the lower portion of tank and provides additional protection between the heating fluid and surrounding hot water.
- **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.
- **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**—Two surface mounted thermostats with high temperature cut-off devices are located in the upper and lower cover locations. Designed for applications such as a boiler where a specific temperature is desired to control a circulator.
- **Supply and Return Connections**—Upper heat exchanger has 1" NPT female connections. Lower heat exchanger has ¾" NPT female connections. All connections are located on the front for ease of installation.
- **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.
- **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.

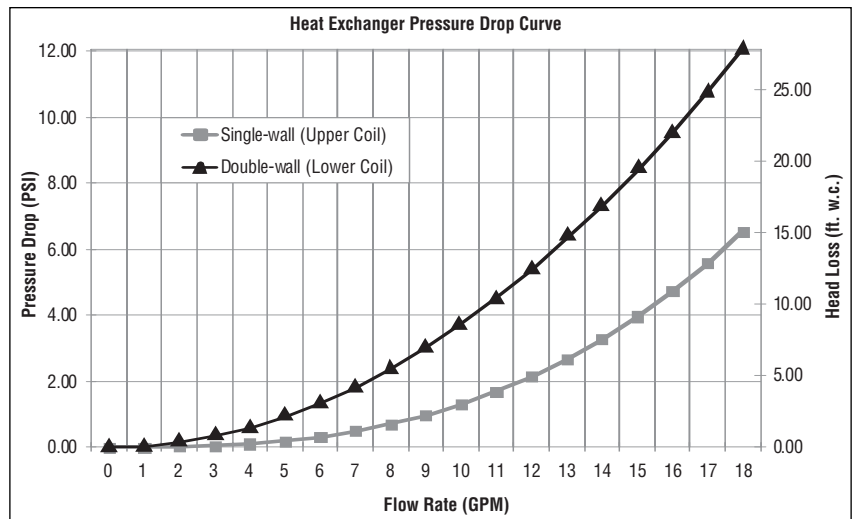
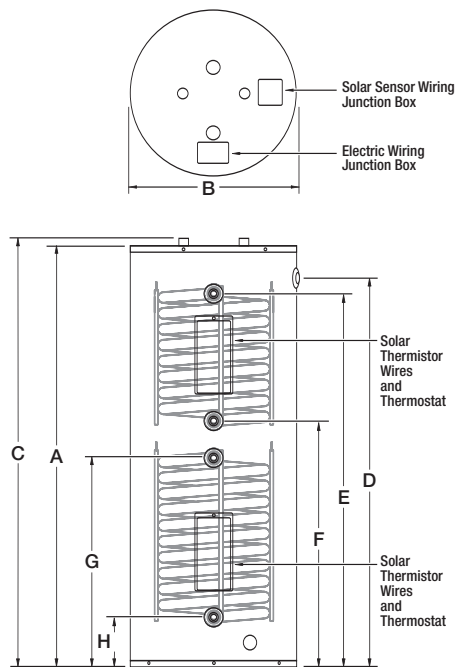
Solar Series Indirect Water Heater System

Dual Coil Heat Exchanger Backup Models

Meet or exceed ASHRAE 90.1b (current standard)

Model Number	Capacity		A Floor to Heater Top in.	B Jacket Dia. in.	C Floor to Water Conn. in.	D Floor to T&P Conn. in.	E Floor to Upper Collector Supply in.	F Floor to Upper Collector Return in.	G Floor to Lower Collector Supply in.	H Floor to Lower Collector Return in.	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.									lbs.
N-DC-DW2-55R5SW	55	46	59 ¹ / ₄	22	62 ³ / ₄	53	56	37 ¹ / ₂	27 ¹ / ₂	5 ³ / ₈	282
N-DC-DW2-70R5SW	70	58	59 ¹ / ₄	24	62 ³ / ₄	53	56	37 ¹ / ₂	27 ¹ / ₂	5 ³ / ₈	313
N-DC-DW2-110R5SW	110	92	62 ¹ / ₂	28 ¹ / ₄	66	55 ³ / ₄	57 ³ / ₄	39 ¹ / ₄	27 ¹ / ₂	5 ³ / ₈	442

Model Number	Capacity		A Floor to Heater Top mm.	B Jacket Dia. mm.	C Floor to Water Conn. mm.	D Floor to T&P Conn. mm.	E Floor to Upper Collector Supply mm.	F Floor to Upper Collector Return mm.	G Floor to Lower Collector Supply mm.	H Floor to Lower Collector Return mm.	Approx. Shipping Weight
	Liters	kg.									
N-DC-DW2-55R5SW	208	1504	1504	559	1594	1346	749	187	—	—	95
N-DC-DW2-70R5SW	265	1504	1504	609	1594	1346	749	187	—	—	107
N-DC-DW2-110R5SW	416	1593	1593	717	1676	1416	749	187	—	—	154



General

All 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.



1701 Terminal Road • Niles, Michigan 49120
Telephone 269-683-1910 • Fax 269-683-1953 • www.nilesst.com

A Subsidiary of **BRADFORD WHITE**

©2009, Bradford White Corporation. All rights reserved.