

# SolarTouch™

## Solar System

by Pentair Water Pool and Spa®



The smart, easy, efficient way to **go solar**



# The reliability of full digital control at your fingertips

Solar pool heating is a smart investment. Make the most of it with the smartest, most efficient solar controller you can buy: SolarTouch™ automation from Pentair Water Pool and Spa®.

Only the SolarTouch solar system gives you the precision and reliability of *full digital control*. Just set the digital thermostat and SolarTouch will monitor the temperature of the pool water and solar collectors. Whenever the sun offers sufficient energy for effective heating, the SolarTouch controller opens a motorized valve and sends filtered water to your collectors. If temperatures drop, the system shuts the valve to keep cold water out of your pool.

SolarTouch technology brings you these advantages:

- **Exclusive** digital temperature control assures the most precise, efficient heating possible. Temperature control can be set in one degree increments.

- **Exclusive** solar valve lets collectors drain when not in use, preventing stagnant water or unsafe heating conditions. Polytetrafluoroethylene (PTFE) seal and rugged motorized actuator deliver years of maintenance-free operation.
- **Exclusive** LED indicator lights confirm that SolarTouch automation is working. Service indicator LED indicates when attention is needed.

## **Additional features include:**

- Pool-cleaner pump protection—prevents damage to your pool cleaner pump that can result from air in the solar collectors at start-up.
- Control of a solar booster pump (not included)—for systems that require extra flow. Activated only when solar energy is available.

## Pump up the savings even more with variable speed technology

### **Why save less when you can save more?**

If you like the energy and money savings of a solar collector, you'll be amazed at the IntelliFlo® and IntelliPro® Variable Speed pumps. These pumps have saved more money for pool owners than all other variable speed pumps combined. Now, today's IntelliFlo and IntelliPro Variable Speed pumps offer you all these cost-saving advantages:

- Estimated savings of up to \$1,500 each year on your pool energy costs—up to 90% versus traditional pumps.\*
- Ultra-efficient permanent magnet motors, as used in advanced hybrid cars.
- Precise matching of motor speed to your pool's needs.
- 8 programmable speed settings and built-in timer for maximum efficiency and savings.

### **IntelliFlo and IntelliPro advancements don't stop there.**

- With the ability to run at lower speeds, you achieve near-silent pump operation—about 4 times quieter than most traditional-style pumps.†
- Exclusive software and digital controls for easier programming.
- Superior pool filtration for cleaner water; thanks to longer run times at optimized pump speeds.
- Totally enclosed fan-cooled (TEFC) motor design for long life and quiet operation.
- Integrated keypad—no need to purchase separately at an added cost.
- Built-in diagnostics safeguard the pump for longer service life.



### **Make the most of SolarTouch automation.**

An IntelliFlo or IntelliPro Variable Speed pump lets you access all the energy-saving power that SolarTouch automation has to offer. You can:

- Maximize solar efficiency by selecting the exact, manufacturer recommended flow rates to your solar collectors.
- Control the flow to and from the collector.

\*Savings based on variable speed pump compared to a single-speed pump running 12 hours per day at an average of 16¢ per kWh in a 20,000 gallon pool. Actual savings vary based on local utility rates, pool size, pump run time, pump horsepower; pump rpm, plumbing size and length, pump model, service factor and other hydraulic factors.

†Compared to noise level of typical 1.5 hp single-speed pump.



## The SolarTouch standard system gives you all this:

- Power center with push-button digital control panel and backlit LCD readout
- One solar valve
- One motorized valve actuator
- Water and solar temperature sensors
- Built-in diagnostics
- Nocturnal cooling
- Freeze protection
- Integration with IntelliFlo and IntelliPro Variable Speed pumps, for maximum efficiency and energy savings



## A one-two punch of savings.

With SolarTouch automation and an IntelliFlo or IntelliPro Variable Speed pump, you enjoy both the efficiency of solar heating and the savings of an energy-smart pump. In fact, your new pump will save you more energy than what's used by your refrigerator, washer and dishwasher combined. How much can you save? See the Pool Pump Energy Savings Calculator at [www.pentairpool.com/pumpcalc](http://www.pentairpool.com/pumpcalc).

# SolarTouch™ Solar System



## Smarter design delivers smarter results

The SolarTouch™ solar system offers you digital precision no other pool solar controller can match—so you enjoy unparalleled efficiency and unbeatable ease of use.

- **Exclusive** digital touch controls eliminate the imprecise settings and moving parts of mechanical dials.
- **Exclusive** digital calibration of water and solar temperature sensors allow more precise monitoring.
- **Exclusive** Power Center/Control Panel lets you set your pool temperature and solar temperature differentials with the touch of a button.
- **Exclusive** Solar Valve automatically drains the solar collectors when the pump shuts off. Durable PTFE seal is maintenance-free for years of dependable service.
- **Estimated savings** up to \$1,500 on your energy bills when you combine SolarTouch with an IntelliFlo® or IntelliPro® Variable Speed pump\*.
- **LCD display** gives sharp, clear readings of air and solar collector temperatures.

- **Motorized** valve actuator—built to last with sturdy steel gears, a highly efficient low-voltage motor; service switch for flow direction and a weatherproof composite enclosure.
- **Automatic** nocturnal cooling and recirculation freeze protection, with filter-pump timer override.
- **3-year** warranty—backed by the industry leader.

## An Eco Select™ Brand Product

The Eco Select™ brand identifies our “greenest” and most efficient equipment choices. SolarTouch solar systems can optimize energy use by only sending filtered water to the collectors when the sun’s energy is sufficient for effective heating.



### Available from:



Pentair Pool Products® Sta-Rite®  
800.831.7133 800.831.7133  
www.pentairpool.com www.staritepool.com

pumps / filters / heaters / heat pumps / automation / lighting / cleaners / sanitizers / water features / maintenance products

