

Circulator with Integral Variable Speed Solar Control

The Taco Variable Speed Solar Control Circulators combine the advanced features of our external speed and solar controls with the reliability and convenience of our 00® Cartridge Circulators. All the wiring for power and sensors is done directly to the circulator while the LED status panel makes it easy to check functionality. Dip switch based user configurable settings makes for a fast set-up, no matter the solar application. The circulator continually adjusts its speed, maximizing the output of the collector, increasing the usable higher temperature water throughout the day, eliminating short cycling and increasing system performance by 20%.



Submittal Data Information Variable Speed 00® Solar Circulators

Submittal Data # 101-135
Supersedes: New

Effective: 01/02/09

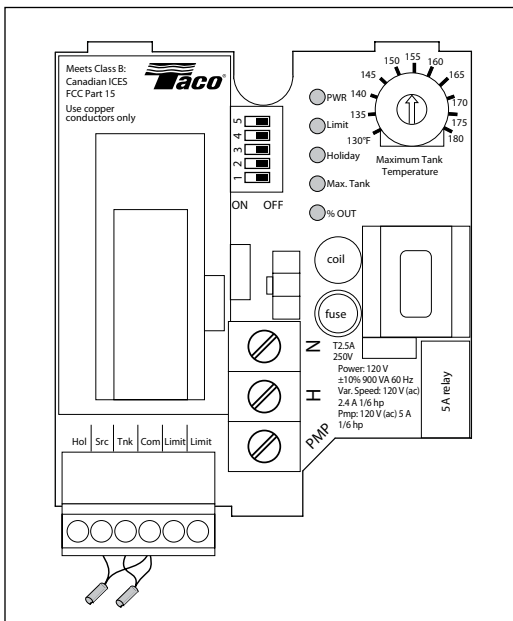
Features:

- All-in-One Pump and Variable Speed Solar Control
- Variable Speed Benefits
 - Matches Output of Collector
 - No Short Cycling of Circulator
 - +20% Increased Performance
- Available in Several Sizes, 006, 008, 009 and 0011
 - Cast Iron and Non-Ferrous
- User Definable Line Voltage Output, Supports
 - External Heat Exchanger
 - Collector Sink / Dump
 - Storage Tank Supplement
 - Booster Pump Function
- Supports Drain Back Applications
- Freeze Protection for Open Systems
- Holiday Function, Minimizes Collector Stagnation
- Factory Installed Line Cord
- Adjustable Storage Tank Maximum Setting
- LED Status Panel
- Supports 1 or 2 Storage Tank(s)
- External Limit Input
- Exercising of Collector Circulator
- 2 Sensors Included
- Snap-in PC Board
- UL Approved



FOR INDOOR USE ONLY

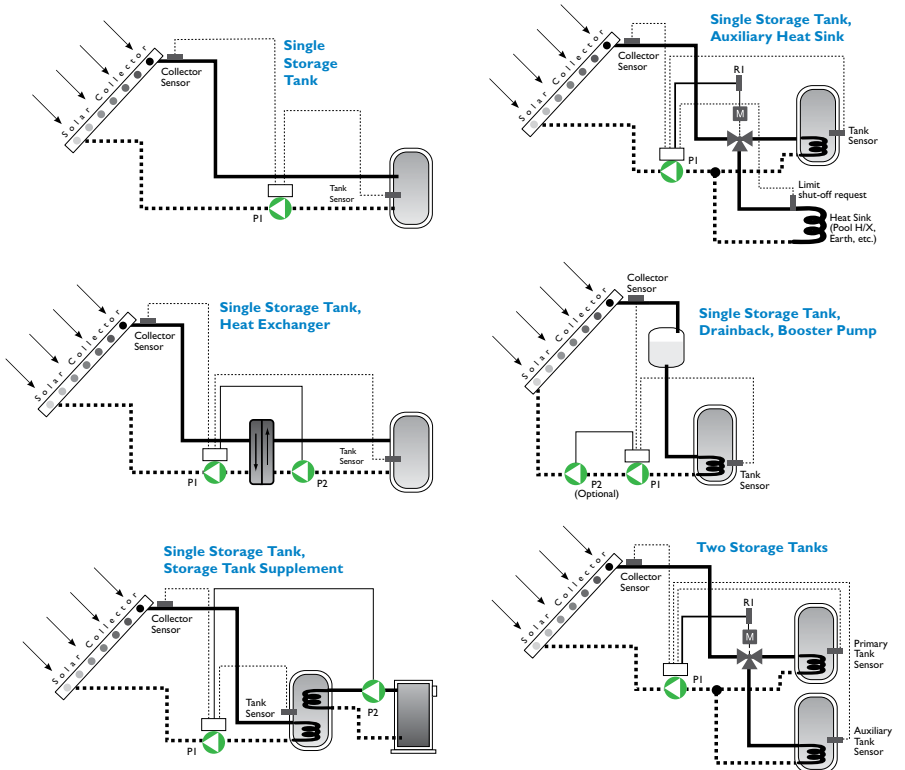
PC Board Layout



Variable Speed Pays Big Performance Dividend

The Solar Variable Speed Circulator (00-VT) continuously optimizes the flow through the collector to achieve maximum energy gain. For example, there is no benefit of pulling 80° water out of the collector when you are trying to maintain 120° in a tank. If a proper delta T is maintained through the collector then higher source temperatures can be achieved over longer periods of time, no matter the weather conditions.

With the flip of a dip switch the Taco all-in-one Solar Circulator can be easily set-up to work in numerous solar applications, some of the most popular are detailed below. For additional application and installation information go to www.taco-hvac.com.



Performance Curves

