The Taco Solar Pumping Station (SPS-PC-1) combines all the features needed for a closed loop solar water heating system. Just 5 easy connections to make; 2 for the solar collector(s), 2 for the storage tank’s heat exchanger and 1 for the expansion tank. The Solar Pumping Station includes a circulator with an integral variable speed solar control, isolation ball valves, air elimination, flow meter and safety group.

The solar control continually adjusts the speed of the circulator to maximize the output of the collector, increasing the usable higher temperature water throughout the day while eliminating short cycling and increasing system performance by 20%.
Variable Speed Pays Big Performance Dividend:
The variable speed circulator in the Solar Pumping Station 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.

The Solar Pumping Station truly simplifies your closed loop solar water heating installation. With just a few connections, you install the heart of the system; circulator, solar control and all safety and measurement equipment.

Features
All-in-One Pre-insulated and Pre-plumbed Module
Ball Valves on Supply and Return with:
• Temperature Gauges
• Solar Check Valves
Flow Meter graduated in GPM with Integral Balancing Valve
Safety Group:
• Pressure Gauge
• Pressure Relief Valve
• Expansion Tank Connection
Fill and Purge Valves
Air Eliminator with Manual Vent
Expansion Tank Bracket and Flex Tubing
Standard 2-Bolt Flanged Circulator
Variable Speed Solar Differential Control
• Matches Output of Collector
• No Short Cycling of Circulator
• +20% Increased Performance
User Definable Line Voltage
Output, Supports:
• External Heat Exchanger
• Collector Sink / Dump
• Storage Tank Supplement
• 1 or 2 Storage Tanks

Specifications
Body Construction ....... Bronze / Brass
Insulating Enclosure........ EPP
Maximum Working Temp. (Excluding Circulating Pump)..... 250˚F (120˚C)
Short Time.................... 320˚F (160˚C) for 20 Seconds
Pressure Relief Setting....... 87 PSI (6BAR)
Temperature Gauges ....... 30-250˚F (0-120˚C)
Pressure Gauges .......... 0-145 PSI (0-10BAR)
Flow Meter ................. 0 - 3.25 GPM (0-12 l/min)
Exp. Tank Connections ....... 3/4” BSP or NPT
End Connections ......... 3/4” FM Copper Sweat X 1” Union
Unit Dimensions .......... 12.1” x 17” x 6.6”
Shipping Weight ............ 25 LBS

UL Listed
FOR INDOOR USE ONLY