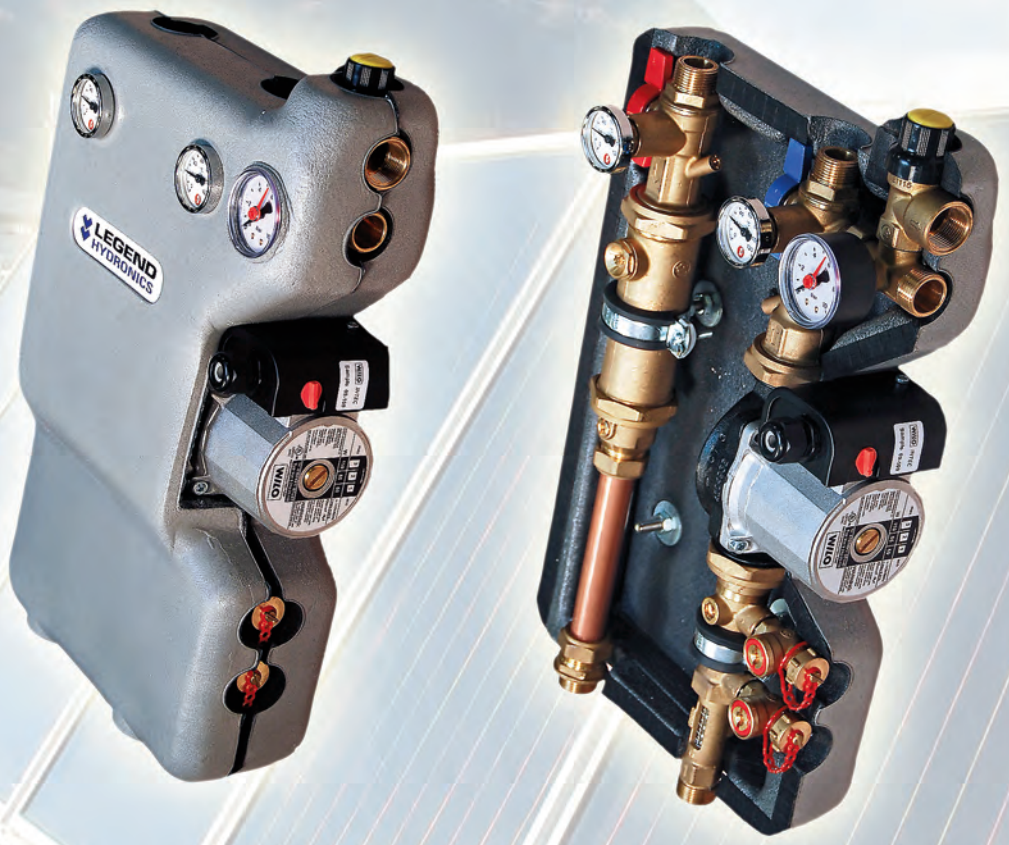
SUNSTATION™

Compact.

Dependable.

Ready to install.



LEGEND® HYDRONICS

Legend Hydronics' space and labor saving SP-20 SunStation™ Pump System is the state of the art.

Offering a complete preassembled solution with operational reliability, compactness and ease of use

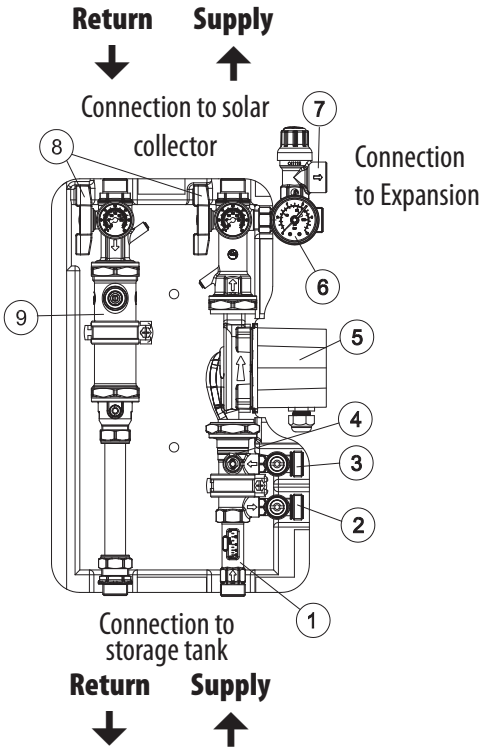
Compact Solar Pumping System

Downstream Thinking
It's all about Performance

SUNSTATION™

Compact Solar Pumping System

KEY COMPONENTS	
1	Flow meter
2	Drain & purge valve
3	Fill valve
4	Balancing valve
5	Circulator
6	Pressure gauge
7	Pressure relief valve
8	Isolation valve with integrated thermometer and check valve
9	Filter and manual air vent valve



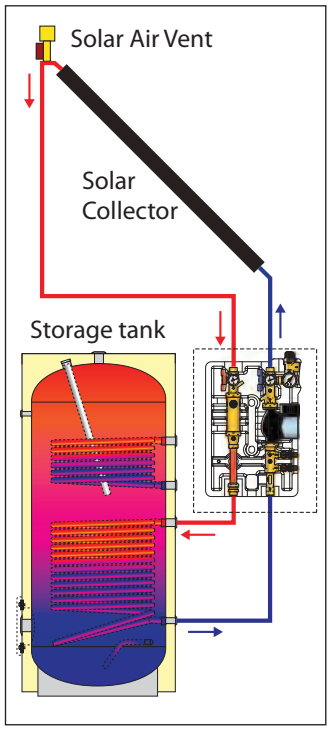
Legend Hydronics' space and labor saving SP-20 SunStation™ Pump System is the state of the art. A complete preassembled solution with maximum operational reliability, amazing compactness; and ease of use, maintenance and installation!

The "heart" of any solar thermal heating system is its pump system and SunStation's compact, lightweight design makes it easy to install and maintain. Proven for many years in European applications, the cost-effective SunStation Pump includes; flow gauge, fill/purge valves, circulator, balancing valve, supply & return isolation valves with built-in check, manual air vent, supply and return temperature gauges, pressure gauge and pressure relief valve with drain port.

The insulation shell ensures effective thermal insulation, while easily maintaining full access to the to the SunStation's components and a full view of its gauges.

Features at a Glance

- **3-speed circulation pump**
- **Isolation valves** with integrated thermometers and check valves
- **2 piece insulation shell** provides easy access
- **Built-in flow meter** and balancing valve
- **Pressure gauge** and pressure relief valve with drain port and connection for expansion tank
- **Fill and purge valves**
- **SP-20 Electronic Control Unit** (ordered separately)



The SunStation™ pumps heated water from the solar panels into a storage tank. The heated water is typically isolated from the water in the storage tank by internal coils – operating as a heat exchanger. The water in the tank absorbs this heat and the cooled water is then pumped back to the solar panels to absorb heat from the sun.

The SP-20 Unit provides automatic control of the solar pumping station. The unit monitors temperature sensors mounted on the solar panels and in the storage tank. When the solar panel temperature is greater than the storage tank, the pump operates, heating the water in the tank. At night or in cold conditions the pump remains off, preserving the heat accumulated in the tank. The controller also logs operating parameters providing information on the amount of energy saved and collected over time.

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GREEN MECHANICAL COUNCIL FOUNDING MEMBER

LEGEND® HYDRONICS

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It takes more than just hard work to become part of a legend. *It takes a commitment to exceed the expectations of our customers in every way possible. It takes unparalleled performance in everything we do. From 24 hour order turn around to industry leading fill rates, a no hassle return policy and a willingness to do everything it takes to help you succeed. At Legend Hydronics, the newest division of Legend Valve and Fitting, we guarantee the same service you've come to expect.*