

Hydronic Times

High Efficiency Hydronics • Domestic Hot Water • Solar

Newsletter of Hydronic Specialties Company • David Gottfried and the Phoenix Solar

NEW!

"ABCs of Solar Hot Water"

Find out more about Solar Hot Water at the stssolar website:
www.stssolar.com/pdfs/ABCsSolarHotWater.pdf

Resource Links:

Solar Thermal Systems
www.stssolar.com

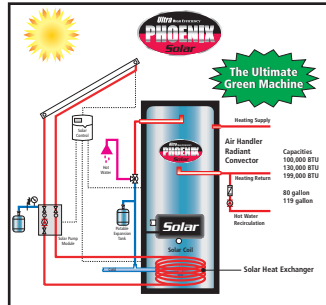
Commercial Hydronics and Hot Water
www.2hsc.com/commercial/linecard.html

Residential Hydronics and Hot Water
www.2hsc.com/residential

I Put Phoenix Solar In My House...Find Out Why!

www.stssolar.com/STS_PhoenixDavidGottfried.html

"I have put Phoenix Solar in my home, the 1st LEED for Home Platinum residential remodel project in the Bay Area, because this one appliance provides multiple benefits. I receive 96% efficient domestic hot water, comfortable 96% efficient hydronic heating and solar hot water, all in one sealed combustion, PVC vented package that is connected to the solar collectors on my roof. We also avoided installation of new ducts and any noise and indoor air quality impacts associated with a forced air system."



"The Phoenix Solar blends the best in hot water energy generation with the benefits of renewal energy in one Green Machine. It is gratifying to know that the Green Movement is spurring development of products like this. The Phoenix Solar receives generous credit within Title 24 in California making compliance much easier and a great foundation for exceeding Title 24 significantly. The fact that I can get the comfort of hydronic heating

while doing the right thing provides more incentive for home owners to go Green with their projects."

HOW DOES PHOENIX SOLAR WORK?

The Phoenix Solar is a durable stainless steel tank featuring an immersed, cupronickel combustion chamber, surrounded by potable water and a direct gas fired, modulating burner system. The combustion chamber is located in the middle of the tank permitting the use of a cupronickel finned heat exchanger coil in the bottom of the tank for transfer of solar energy to the surrounding water. As the solar energy is collected during the day the hot water is stacked in the tank, disabling a call for gas fired hot water generation.

The concept is not new. Hundreds of thousands of solar hot water systems use the same principal in Europe each year. They call it single tank bivalent solar heating, just to be fancy. In Europe they use two indirect coils. Here in America we use a direct fired approach. In any case this design eliminates the space and expense of two tanks.

Phoenix Solar System: Each Phoenix Solar is a package that includes the Phoenix Solar, solar collectors, pump/control station and valves that have been certified as a solar system by the Solar Rating and Certification Corporation, the performance rating system for the industry and required for compliance with the solar tax credits and pending state rebate programs. SRCC certification is a must for residential solar hot water systems and the only source for independent performance evaluation.

For more information visit: www.stssolar.com



David Gottfried
Founder of the U.S. Green Building Council
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Founder of the World Green Building Council
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CEO, Regenerative Ventures

