



solar water heating



Clean energy and savings on tap.

# A bright solution for today's energy needs.



HEATING WATER IS ONE OF THE LARGEST SOURCES OF ENERGY CONSUMPTION IN A HOUSEHOLD. USING SOLAR ENERGY TO PROVIDE THAT HEAT IS SMARTER THAN EVER. UNLIKE TRADITIONAL FUELS, THE COST OF SOLAR ENERGY NEVER GOES UP — IT'S FREE. IT GENERATES NO POLLUTION. IT DOESN'T NEED TO BE REFINED OR SHIPPED. AND IT'S A PROVEN TECHNOLOGY THAT IS DRAMATICALLY REDUCING AMERICANS' UTILITY BILLS.

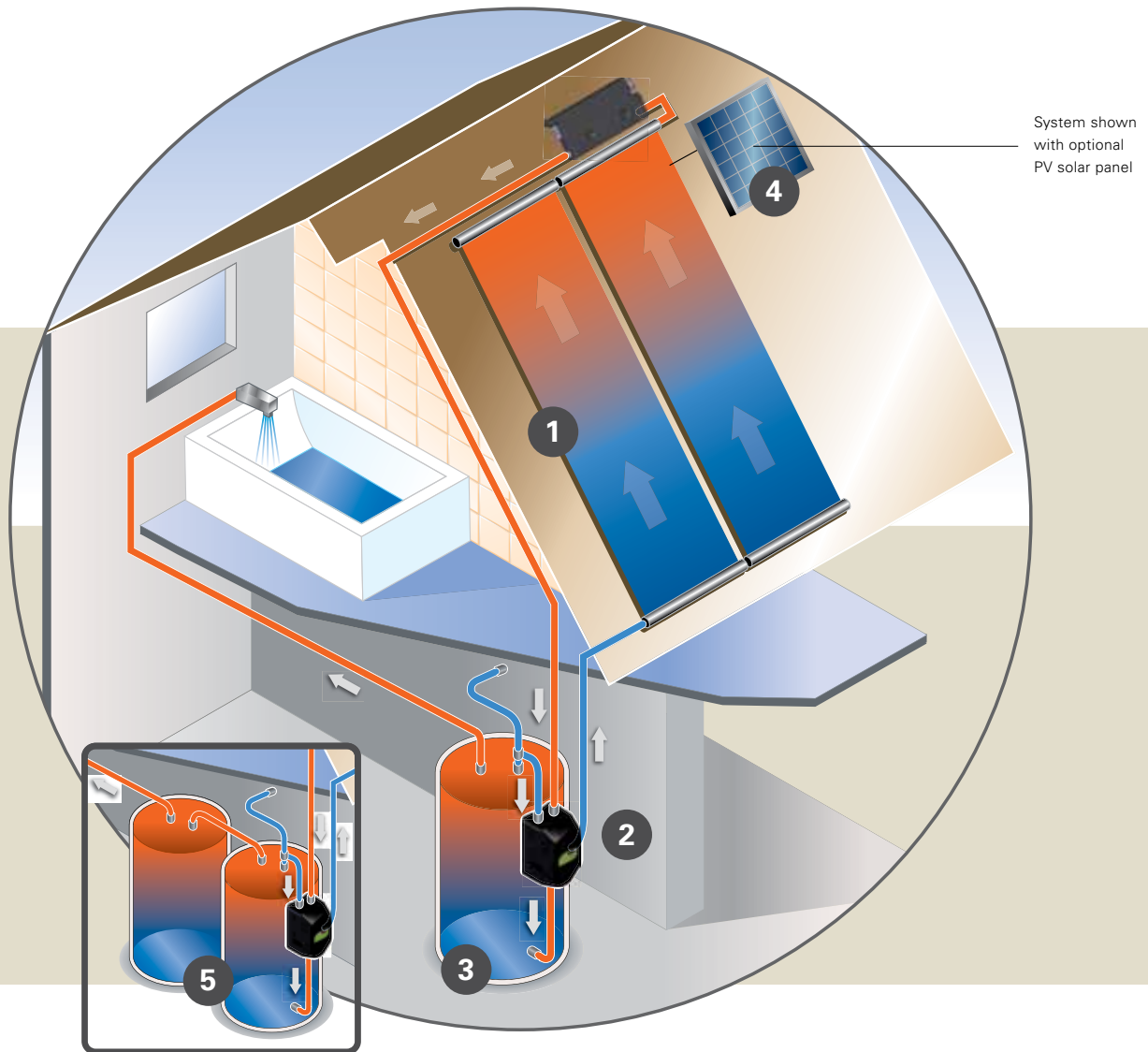
## Powerful savings.

For many homeowners, going solar is a point of pride. However, the simple truth is that a Revolution® by FAFCO solar hot water system will save you money. For a typical residence, it can supply up to 50% of your hot water needs — even more in some applications. A Revolution solar hot water system adds significant value to your home. As if that weren't incentive enough, Revolution solar hot water systems qualify for the 30% federal tax credit. Many states, municipalities and utility companies offer additional incentives, too. Find out what's available in your area by visiting [www.dsireusa.org](http://www.dsireusa.org).

## Why Revolution by FAFCO?

As the oldest solar thermal company in the United States, with a 40-year history of innovation, FAFCO is the pioneering leader in solar water heating. And with over 1.7 million of our durable polymer solar panels installed worldwide, our systems have proven themselves time and time again. We are proud to be an Energy Star® partner, offering solar hot water solutions with proven efficiency and affordability.

## Revolution by FAFCO



### How it works

Revolution by FAFCO solar hot water systems have been specifically designed to work in conjunction with your current electric or natural gas water heater for years of trouble-free operation.

- 1 The Revolution system features lightweight, ultraviolet-resistant polymer solar collectors. A heat transfer solution is channeled through the collectors where it absorbs heat from the sun.
- 2 The integrated circulation module automatically runs when there is enough solar energy to heat your water. It pumps two separate, closed loops, one to the solar collectors and one to your hot

water tank. Heat is transferred between the two loops without the heat transfer solution ever contacting your household water.


- 3 Much of the electricity or gas normally used to produce hot water has been replaced by the sun's energy. Hot water is now available for all your household needs including clothes washing, dishwashing and bathing.
- 4 FAFCO's Revolution System offers an optional kit that enables the system to operate solely with power generated from a photovoltaic (PV) panel. Using this option, the photovoltaic solar panel provides the electricity required for service even during a power outage.

- 5 Gas water heaters require an additional storage tank. A second tank is optional with electric water heaters. The additional capacity supplied with a second storage tank is a welcome addition for large families where hot water usage is high.

Additionally, the heat transfer solution circulated through the solar collectors protects the system against freezing, eliminating the need to drain the collectors when the system is not operating.

the power of solar

435 Otterson Drive  
Chico, CA 95928-8207  
800-994-7652  
[www.fafco.com](http://www.fafco.com)

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