

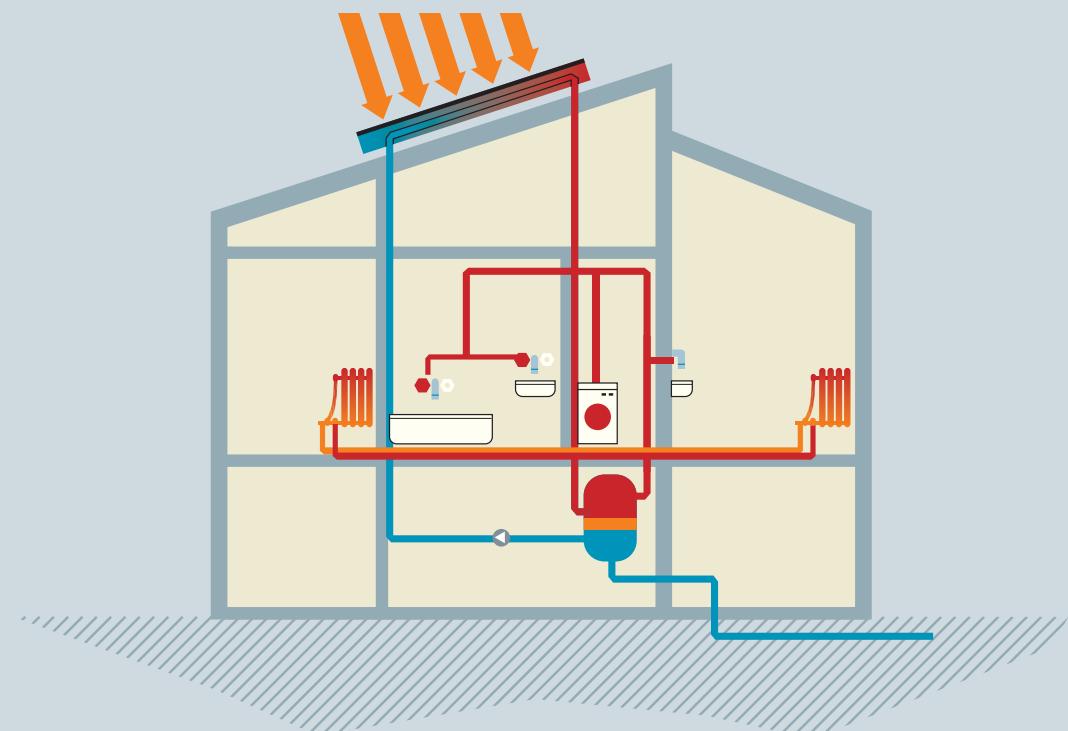
Forced Circulation - Installations

Chromagen has developed a range of models and configurations to answer a variety of conditions, enabling the installation of environmentally friendly, custom-tailored systems for all climates.

Whether you choose a forced circulation system to provide clean energy to an individual home, or opt for a more extensive configuration to supply larger institutions, you will benefit from Chromagen's years of experience and a range of products meeting the highest specifications. By using only quality materials and the finest workmanship, Chromagen ensures a long life and problem-free operation.

In forced circulation systems, a pump is utilized to ensure correct water circulation. This allows the collectors to be at a great distance from the tank. For example, the tank can be situated in a basement. In addition it allows a series of collectors to supply heated water to several large tanks, as is suitable for hotels, swimming pools and other commercial applications.

Individual Home Installation



Open-loop System for Warm Climates

More economical to install, the open-loop system is recommended for those climates where there is no risk of freezing. Mains water flows to the tank and then is pumped to the lower part of the collector where it is heated. It then ascends the collector and flows on to the storage tank, and from there to the user.

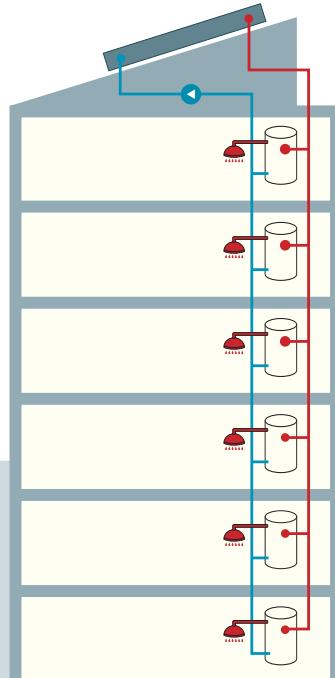
Close-loop System for Cooler Climates

The closed-loop system uses Chromagen's wide-surface heat-exchanger, allowing anti-freeze to be added and avoiding the buildup of scale in the collector. Heated water from the collector is pumped into the external heat-exchanger that encompasses the tank, and then returns to the collector. This warms up the water flowing into the tank from the mains, which can then be used.

Central Installations

Chromagen's central installations can provide heated water in significantly large quantities, serving domestic and institutional consumption.

Central installations use an array of collectors. The number and size vary according to the water heating requirements. A handful can service apartment blocks or small hotels, whereas hundreds working together can answer the needs of large hotels, hospitals and industrial plants. Such a configuration can be backed up by conventional energy sources such as electricity, gas and oil, and is supported by a sophisticated control systems.



Central Solar Installation with Individual Tanks

Individual storage tanks for each unit of consumption, generally installed in apartment buildings and backed up with electricity.

Central Solar Installation with One or More Central Storage Tanks

One or more large storage tanks, generally for use in institutions or industrial plants, with conventional energy backup and control system.

