

# Hot water. Cold facts.

Alfa Laval offers a wide range of solutions for heating tap water. They cover a variety of applications and heat sources – solar, district-heating or on-site furnace.

- AquaFlow is an instantaneous tap-water system designed to provide domestic hot water in large quantities. With up to 1,200 kW capacity, it is ideal for apartment complexes, hospitals, hotels, retirement homes, nursing homes, schools, sports centres, prisons, etc.
- AquaMicro is a complete, installation-ready substation for domestic hot water. It is suitable for individual apartments with a primary or secondary connection to a solar system or district-heating network.
- AquaCompact is a compact, pre-assembled hot-water system designed for applications with irregular water consumption. It combines low power usage, small storage volume and high hot-water capacity. The result is excellent overall economy with minimal installation and operating costs.
- AquaProtect is a system designed for thermal disinfection of hot water, to eliminate legionella bacteria. The stored water is momentarily heated to 70°C, which kills the bacteria. Thanks to effective heat recovery, the disinfection process consumes no extra energy.



AquaFlow



AquaCompact



AquaProtect



[www.alfalaval.com](http://www.alfalaval.com)

EGCF00197EN 0911

# Making solar heat an even brighter idea



World-class tap-water heaters  
for world-class solar systems.



# More comfort. More safety. Less fuss.

Just what solar-heated tap water needs.

Happy tenants make landlords happy, too.

That simple truth has sparked Alfa Laval's new concept for solar-heated tap water in apartment buildings. A concept your solar system can now take advantage of – by becoming the endless source of instantaneous, safe hot water in every apartment.

With lots of convenience for the tenants.

## Separate circuits

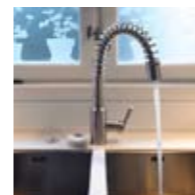
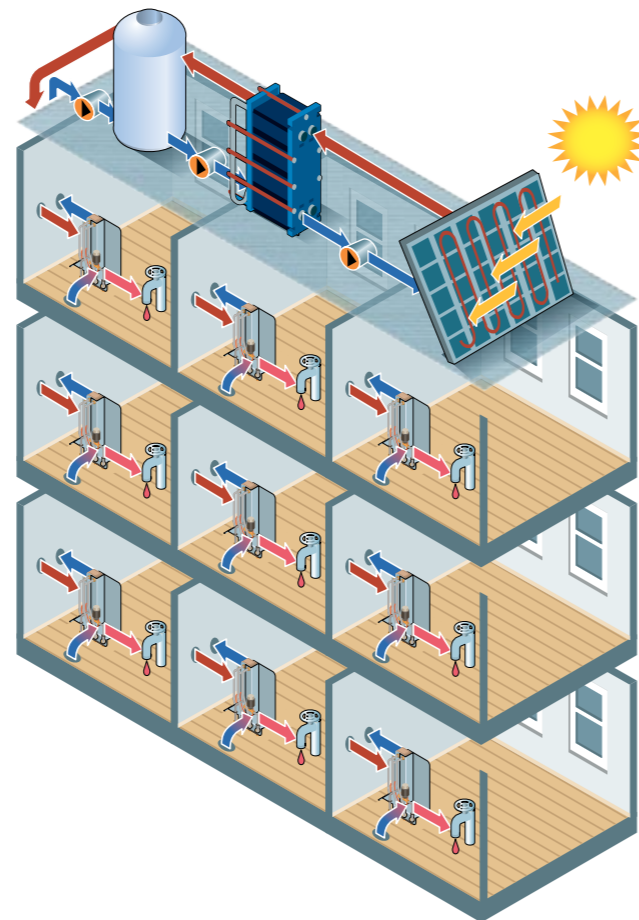
As you can see here, the idea is to use two separate water circuits linked through plate heat exchangers.

The heat from the solar-panel circuit is transferred to the general hot-water circuit running through the building. In each apartment, the heat from this circuit is then picked up by an AquaMicro, Alfa Laval's patented water heater, and heats incoming fresh water.

This is a great arrangement for tenants. The hot water is always instantaneous and always as fresh as the incoming cold water. (No risk of spreading legionella.)

A single water meter per apartment is enough, as the hot and cold water used by each tenant come from the same supply.

And there is never any fuss about hot-water usage.



# The small secret behind a big difference.

AquaMicro from Alfa Laval.

AquaMicro, a small tap-water heater, is the heart of Alfa Laval's solar concept. In each apartment, it transfers the heat from the general hot-water circuit to incoming cold water.

It does it instantly and for as long as needed. Every time.

The very compact AquaMicro is easy to install and operate. Self-adjusting valves optimize the incoming and outgoing flows and adapt them to tenants' individual usage patterns.

And the built-in super-sensitive brazed heat exchanger keeps the temperature correct. The secret is a separate gas channel that evens out the heat as consumption starts and stops. (A patented solution.)

AquaMicro has stainless-steel tubing and is virtually maintenance-free. It can be equipped with four manual valves and an automatic safety valve.

All this from a unit not bigger than a trekking backpack.





# AquaMicro sounds like a bright idea. Tell me more.

Complete this reply card to receive additional information.

**Please contact me  
to discuss solar-heated tap water.**

**Please send me more information  
about AquaMicro.**

Name/title: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Postcode/City: \_\_\_\_\_

Country: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Please fax your reply to (insert relevant fax no. with appropriate national prefix), or call [name] at [insert relevant phone number] or e-mail him on [x.x@alfaval.com](mailto:x.x@alfaval.com).