

oventrop

Potable water

Regumaq X
Fresh water stations

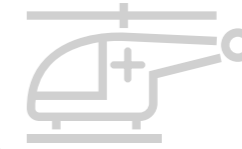
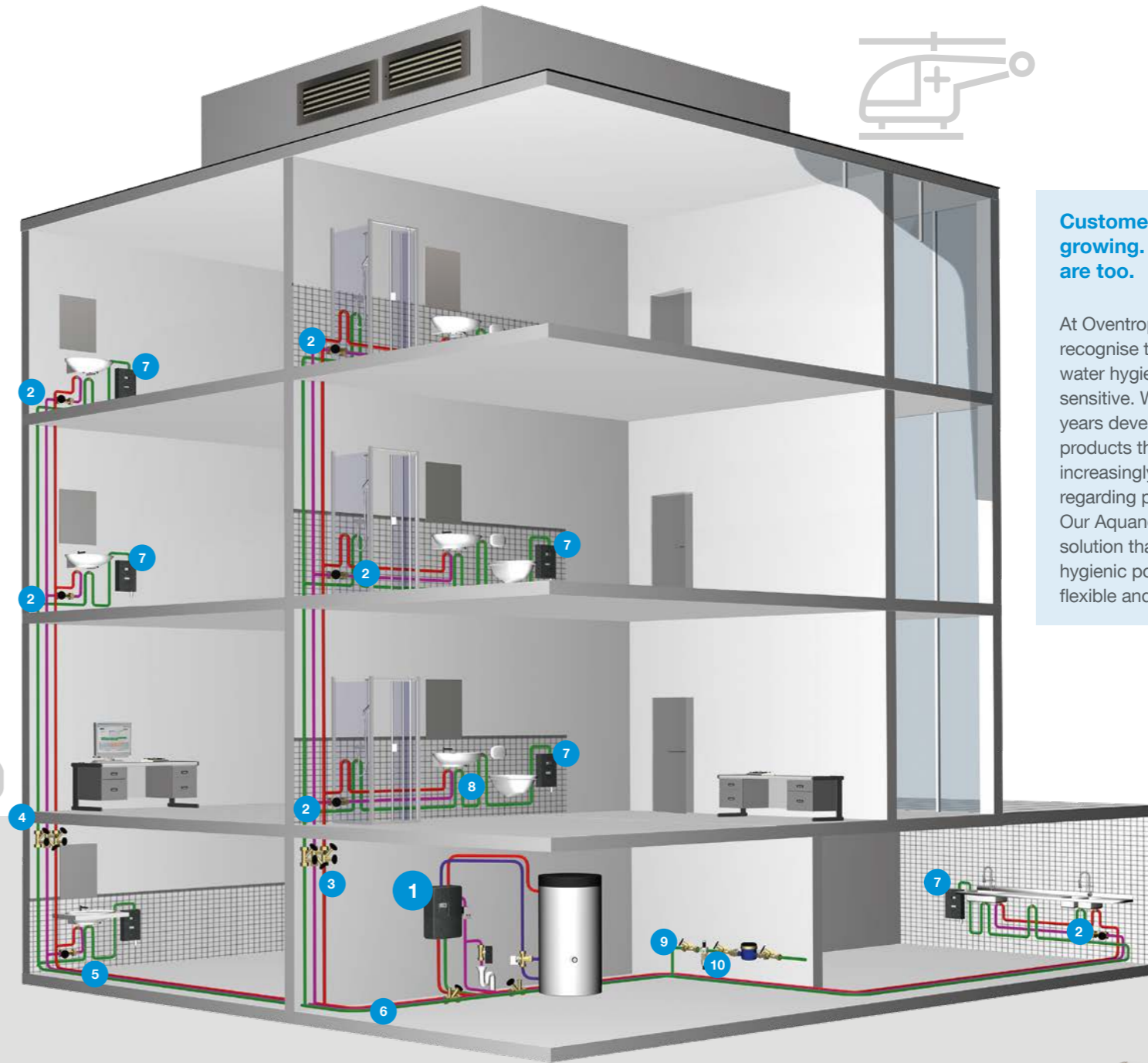


**Hot potable water:
Always hygienic and just in time.**

Our **Regumaq X fresh water stations** prepare hot potable water at the precise moment it is needed. The continuous flow principle **maximises hygiene**, since hot potable water that is prepared ahead of time is at severe risk of microbial contamination, for instance with dangerous legionella.

Regumaq fresh water stations are available in **three variants with differing capacities**. In other words, we offer a suitable solution for any situation, from detached houses to multiple-occupancy dwellings and non-residential buildings. When planning potable water distribution systems and hygiene in a wider context, our **modular Aquanova system** is the ideal solution: it allows for full and reliable integration of the Regumaq fresh water stations.

You can individually align the discharge capacities and required excess temperatures with the system parameters. Thanks to this, Regumaq fresh water stations are the **solution of choice for low-temperature systems and regenerative energy concepts**. To meet specific requirements or changes in user behaviour, stations can be installed in parallel to boost the **discharge capacity to up to 500 litres per minute**.



Customers' expectations are growing. Our modular solutions are too.

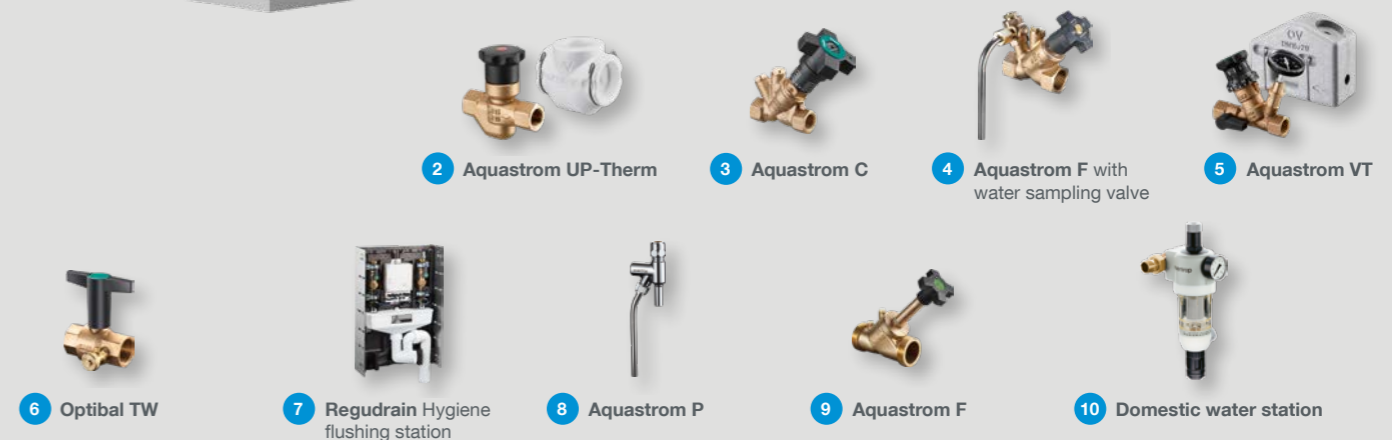
At Oventrop, we were quick to recognise that the issue of potable water hygiene is as complex as it is sensitive. We have spent the last few years developing a series of modular products that are capable of meeting increasingly stringent expectations regarding potable water hygiene. Our Aquanova system is a pioneering solution that enables you to deliver hygienic potable water in a holistic, flexible and reliable manner.

Benefits

- + Reliably hygienic hot potable water preparation – no hot potable water reserve required
- + Heat exchangers with Sealix® protective layer, ensuring safety also in the presence of critical water conditions
- + Energy-efficient thanks to a particularly low required excess temperature – loading of the storage cylinder at low temperatures
- + Ideal for regenerative system concepts due to the integration of a buffer storage cylinder



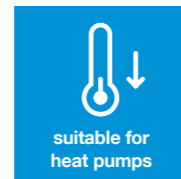
1 Regumaq X Fresh water station



Regumaq X-25: For detached houses 1381125 | 27

Copper-brazed | Sealix® protective layer

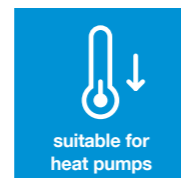
- Compact and powerful
- System parameters set via DIP switches
- Suitable for low-temperature systems
- Rapid-response control technology thanks to turbine sensor and LIN pump technology
- Easy one-person installation



Regumaq X-45: For multiple-occupancy dwellings 1381140 | 42

Copper-brazed | Sealix® protective layer

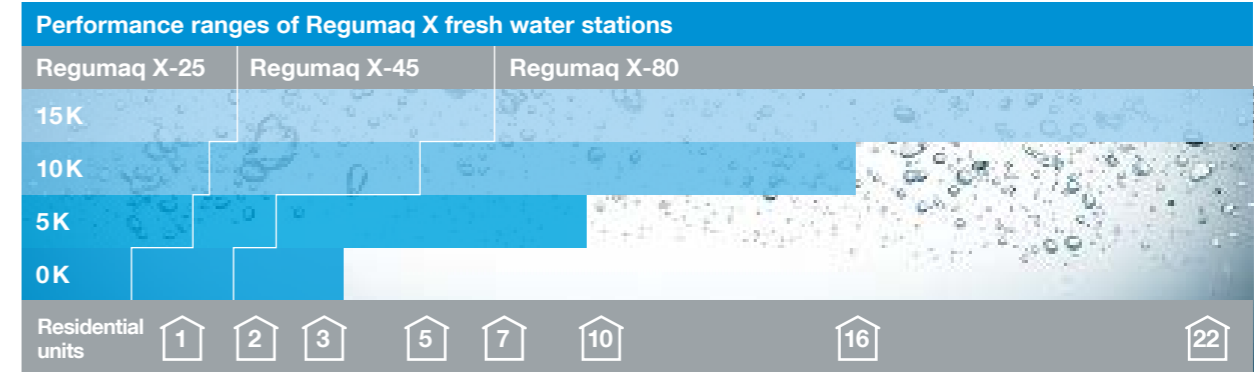
- Powerful and versatile
- Intuitive glass touch display with user or expert mode for qualified installers
- Numerous additional functions, e.g., return layering or reheating
- Suitable for low-temperature systems
- Precise control technology thanks to turbine sensor and LIN pump technology (parallel connection possible)
- Easy one-person installation



Regumaq X-80: For multiple-occupancy dwellings and non-residential buildings 1381580 | 81 | 82

Copper-brazed | Sealix® protective layer

- Especially powerful
- System parameter setting via electronic controller Regtronic RQ
- Connectable to data logger Datalog CS-BS for networking, visualisation and remote access
- Access to and data download from controller via web interface, also for data transmission to a centralised building control system (CBC)

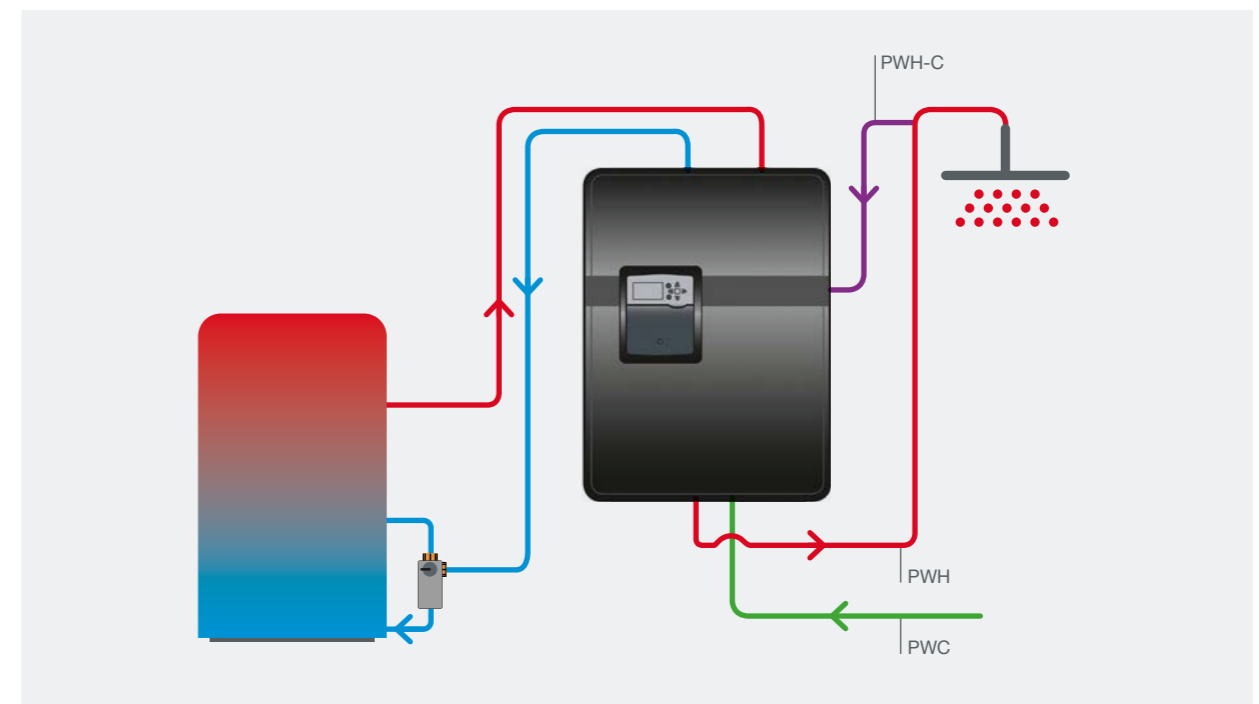


Extensive performance range with required minimal excess temperature

Required excess temperature	0 K		15 K
Regumaq X-25: Performance range	14l/min	to	25l/min
Regumaq X-45: Performance range	24l/min		45l/min
Regumaq X-80: Performance range	38l/min		77l/min

*according to SPF test method

Exemplary system diagram: Regumaq X-80



Potable water hygiene made safe and easy: Regumaq X-25 and X-45

With these two fresh water stations, clear emphasis has been given to **ease of use**. The Regumaq X-25 is designed **especially for detached houses**. It can be easily configured on-site to the required system parameters using DIP switches. The Regumaq X-45 has a glass touch display with an **intuitive user interface** that is used to adjust the many additional functions. When in expert mode, a ring lights up to signal the station is ready for operation by a qualified installer.

The hydraulically optimised pipework and the powerful plate heat exchanger ensure **high discharge capacities**. You can also align the discharge capacities and required excess temperatures with the specific system parameters. This generates a positive overall energy balance especially in **low-temperature systems such as those involving heat pumps**.

Your customers benefit from **rapid-response, precise temperature controls** thanks to pump communication via LIN bus and a highly sensitive flow turbine.

Modular options for special requirements

Safe hot potable water preparation can be ensured even in critical water conditions. The heat exchanger is also available with our pioneering self-cleaning **Sealix® protective layer**, providing additional safety where special requirements need to be met.

Our optional potable water circulation set is available with or without a high-efficiency pump, ensuring potable water hygiene even in confined spaces. Thanks to the new operating concept, the various operating modes can be quickly configured.

Peak performance at all levels: Regumaq X-80

Hot potable water not only just in time and without hot potable water reserve, but also **in large amounts**: the challenge for which our electronically controlled Regumaq X-80 was designed, the ideal model for multiple-occupancy dwellings, hotels, hospitals, care homes and sports facilities. The Regumaq X-80 is optimised for regenerative concepts. It is connected to a buffer storage cylinder that is heated by solar energy or solid fuels such as oil or gas.

Our concept: Safety at all times.

We have designed the Regumaq X-80 in such a way that it is capable of controlling even the **smallest of potable water volume flows** of 1 l/min with precision.

The circulation pump on the buffer side (primary circuit) is speed controlled depending on the

temperature and volume flow on the potable water side (secondary circuit). Due to the turbulent flow inside the heat exchanger, a good **self-cleaning effect** avoiding a contamination is achieved.

The components of the heat exchanger system have flat sealing connections, are pre-assembled on a base plate and leak tested.

Pioneering potable water hygiene control.

The electronic controller Regtronic RQ can be connected via databus (S bus) to the data logger Datalog CS-BS. You can hence **set, integrate and visualise** the system parameters or even access the system remotely. Via a Web interface, the controller can be set and read and the controller data be transmitted to the centralised building control system (CBC) so as to **optimise the behaviour of the entire system**.

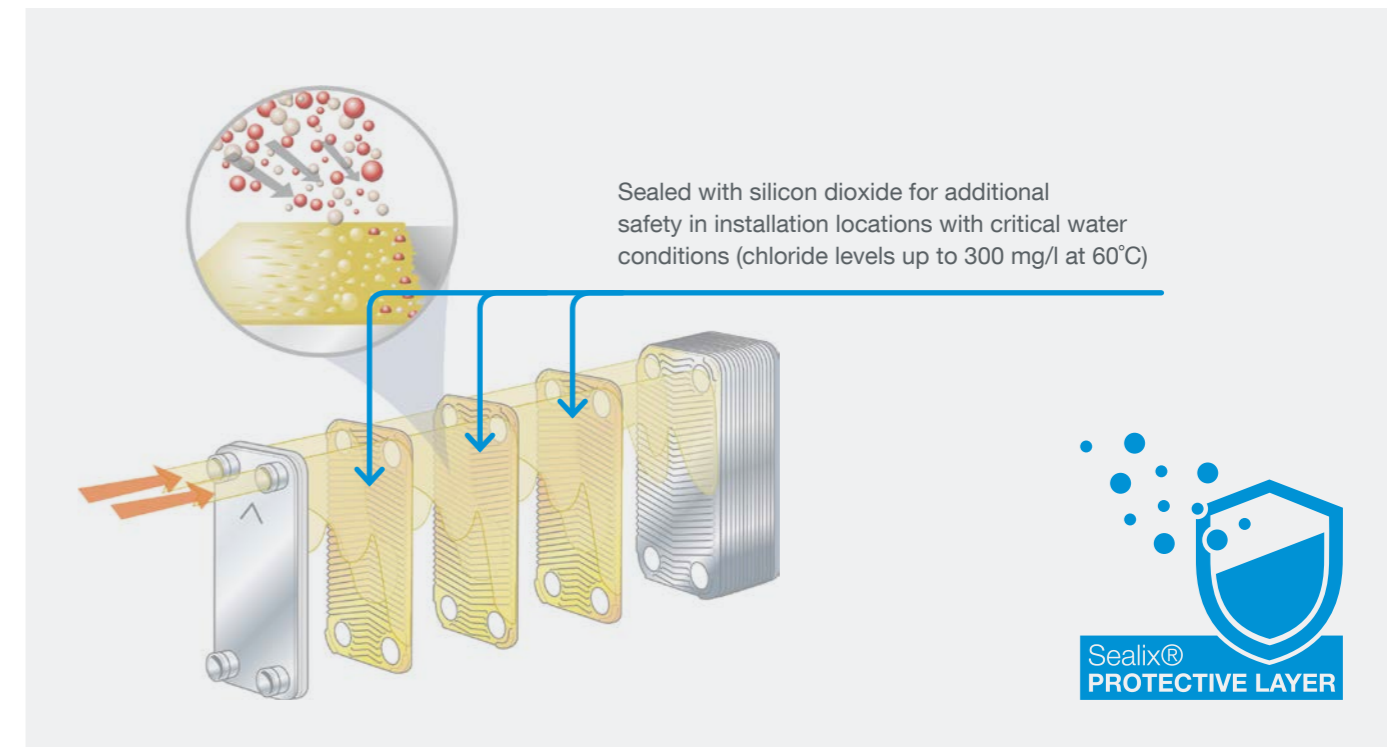
Delivers what it promises: Our Sealix® protective layer

All of our Regumaq fresh water stations are available with optional **Sealix® protective layer**. Sealix® assures additional safety even in installation locations with critical water conditions: it provides the heat exchanger with full **protection against corrosion, calcification and fouling**.



Benefits of Sealix® protective layer

- + Lotus-effect surface minimises residues
- + Lower risk of calcification
- + Longer lifespan thanks to primary and secondary protection
- + Maximum media resistance
- + Repellent surface structure
- + Reduced maintenance costs



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Room climate

Hydronics

Stations
Storage
cylinders
Pipes

Potable water

Oil
Gas
Solar

Smart Home
Smart Building

Subject to technical modifications
without notice. Private individuals
may purchase our products from their
qualified installer.

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