

"Sustainable development and High Environmental Quality (HEQ¹) : our vision..."

¹HQE (Haute Qualité Environnementale) is the French label for the environmental quality of buildings

Contact details



RELVAMINE[®]

Norme AFNOR

Our products comply with the French standard

NF EN 12952-12
(April 2004)

for water-tube boilers and auxiliary installations, where Section 12 states the standards regarding feedwater quality and boiler water quality.



Our technology

THE ISSUES

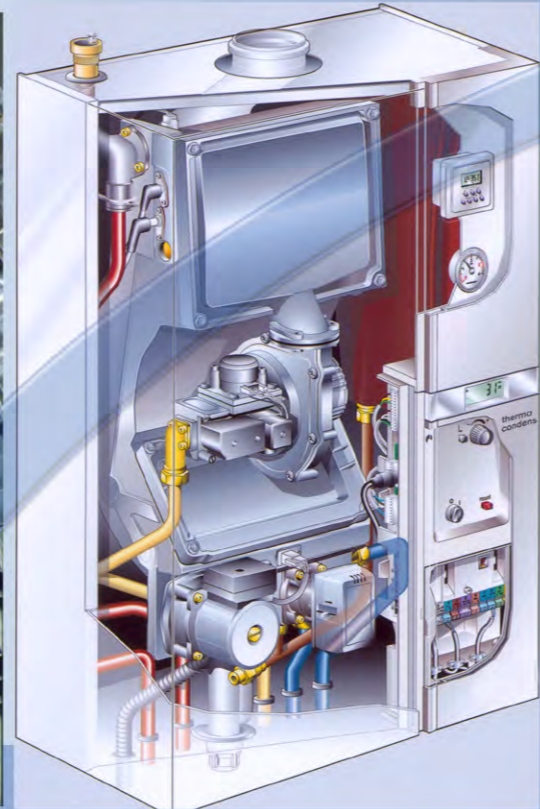
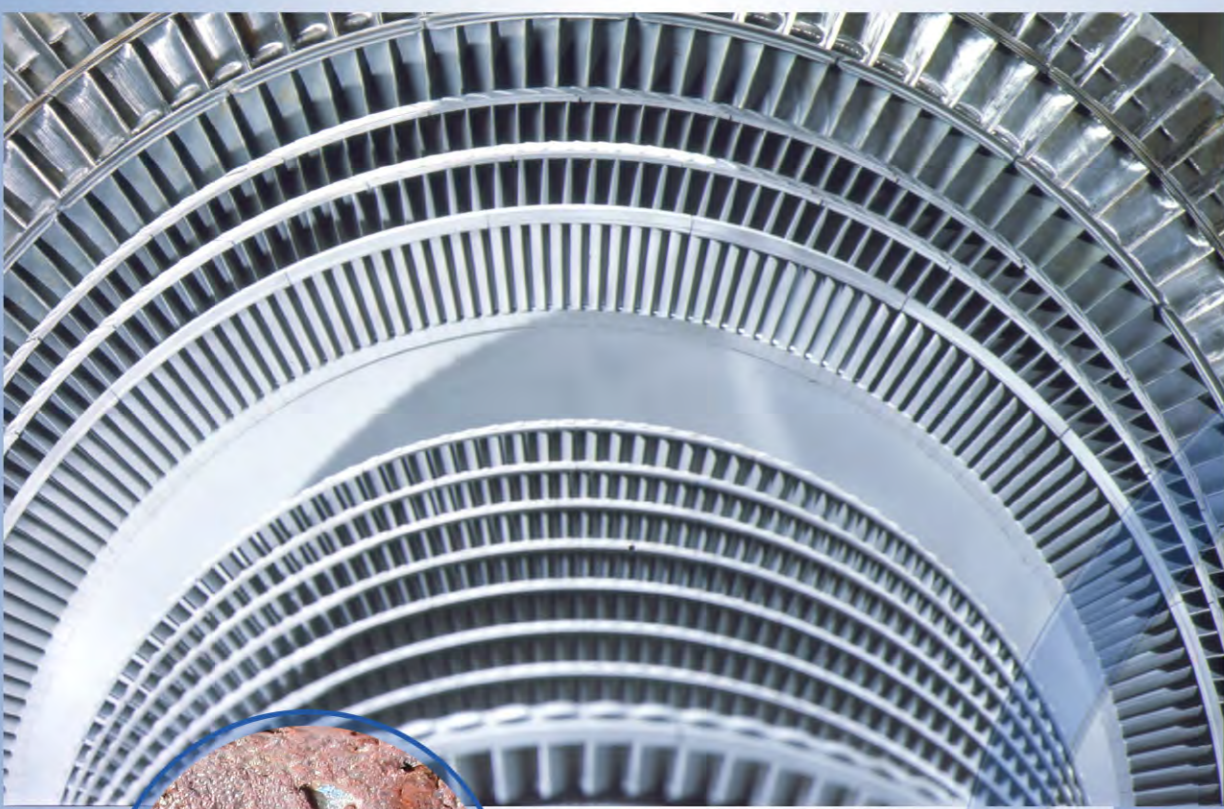
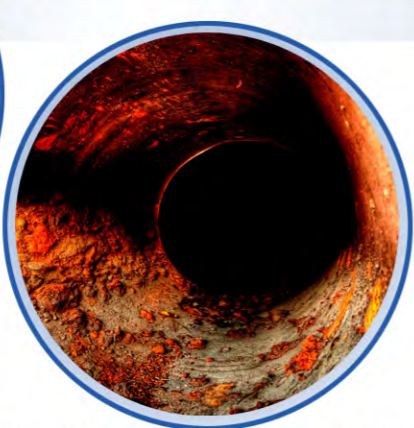
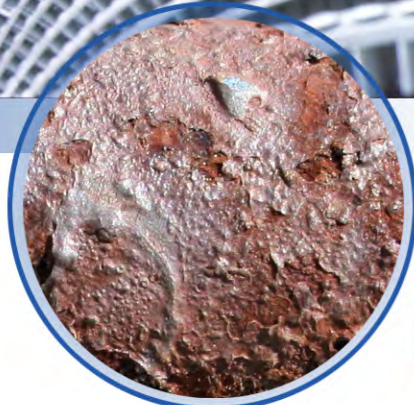
Every installation is subject to problems such as **corrosion, deposits, furring or presence of bacteria.**

These can occur in the short or long run but in every case, a slow and insidious deterioration appears right from the startup of an unprotected installation. The imperceptibility of such damage often requires post-disaster interventions for clogged or burst installations. In a preventive concern to avoid replacing equipment parts, **priority should be given to an annual follow-up of the installations' protection level.**

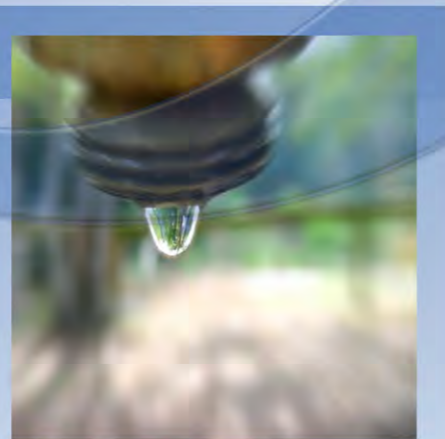
RELVAMINE® WATER TREATMENT SOLUTIONS

RELVAMINE® products ensure the protection of both new and old installations by the **formation of a polyacrylate film and of polyamines.** Where other industrial additives would settle on the installations' walls thus tolerating corrosion under the layers formed, RELVAMINE® allows settling of its film once the installations have been cleared of calcareous scale and rust. **Moreover, RELVAMINE® products release mineral salts and iron oxides, hence preventing sludge and scale formation on the installations' walls.** Our products are environment-friendly and biodegradable (they can easily be disposed of in waste water treatment plants). They are effective up to a temperature of 600°C and to a pressure exceeding 112 bars.

In fact, by adopting our products, one can minimize the use of toxic substances such as hydrazine, morpholine or phosphates. Note that the action of heat turns the caustic soda present in the boiler water into ammonia which is corrosive to non-ferrous metals such as copper. **Other advantages provided by RELVAMINE® products are the simplification of maintenance operations and the reduction of management costs.** Consequently, the costs of water treatment are far lower than those of usual cleaning such as sludge removal.



Check out our products RELVAMINE® on www.relvamine.net



Our company

RELVAMINE® is specialised in the production of water treatment solutions designed for closed-loop circuits of heating or ice water systems, turbine steam systems, superheated water systems using demineralised feedwater or steam boilers using softened feedwater. Since its creation in 2007, RELVAMINE® plays an important role in the field by bringing a sustainable development and green building orientation to its vision.

The core activity of our company includes the design and distribution of innovative products which not only prevent any form of aggression while treating the installations but also contribute to their protection.

Indeed, our latest major innovation consists in the implementation of a water treatment essentially made up of surface-active and biodegradable polyamines which can easily be disposed of in waste water treatment plants.

RELVAMINE® products therefore promote environmental safety and avoid excessive use of techniques or substances causing long term damages to the installations. As regards an acid-based ecological effluent treatment, some points have to be taken into account, among which its significantly high cost. Secondly, chemical acid-based treatments require shutting down the installations which can be the source of a number of inconveniences.

The principal advantage of RELVAMINE® treatments lies in their ability to be applied while the installations are in operation.

Note that water treatment costs are far lower than usual cleaning costs (for example, sludge removal).

In addition, RELVAMINE® products maintain the installations in very clean conditions, thus limiting occasional cleaning operations.

It is also necessary to mention, in the event of an accidental ingestion for example, that RELVAMINE® products do not contain carcinogens.



Our products

RELVAMINE® ECS

Treatment of domestic hot-water

A domestic hot-water supply system meets three kinds of problems counting from the start-up of the installation: furring, corrosion and bacteria build-up (such as Legionella).

Our reliable RELVAMINE® ECS product solves such problems without altering the water's potability.

RELVAMINE® CFCH

Treatment of heating or ice water closed-loop circuits

Designed for closed-loop circuits of hot water, superheated water or ice water, this treatment is principally used in heating systems (primary or secondary) or cooling systems.

As a corrosion and scale inhibitor, our RELVAMINE® CFCH product improves heat exchange, optimises equipment efficiency and contributes to reducing greenhouse gases.

RELVAMINE® TRB

Treatment of turbine steam systems

Designed for turbine steam systems and superheated water systems using demineralised feedwater, our RELVAMINE® TRB product acts as a corrosion, erosion and scale inhibitor.

It prevents the rise of boiler water salinity level and therefore ensures high energy savings.

RELVAMINE® VPR

Treatment of steam boilers using softened feedwater

Designed for boilers, steam systems or superheated water systems using softened feedwater, our RELVAMINE® VPR product acts as a corrosion and scale inhibitor (through the prevention of scale deposits and mineral salts). It also improves heat exchange and optimises equipment efficiency.

RELVAMINE® TRF

Treatment of cooling towers

Designed for cooling towers, our RELVAMINE® TRF product acts as a corrosion and scale inhibitor.

It also maintains the installations in clean conditions and protects them from algae and bacteria (through Legionella eradication).