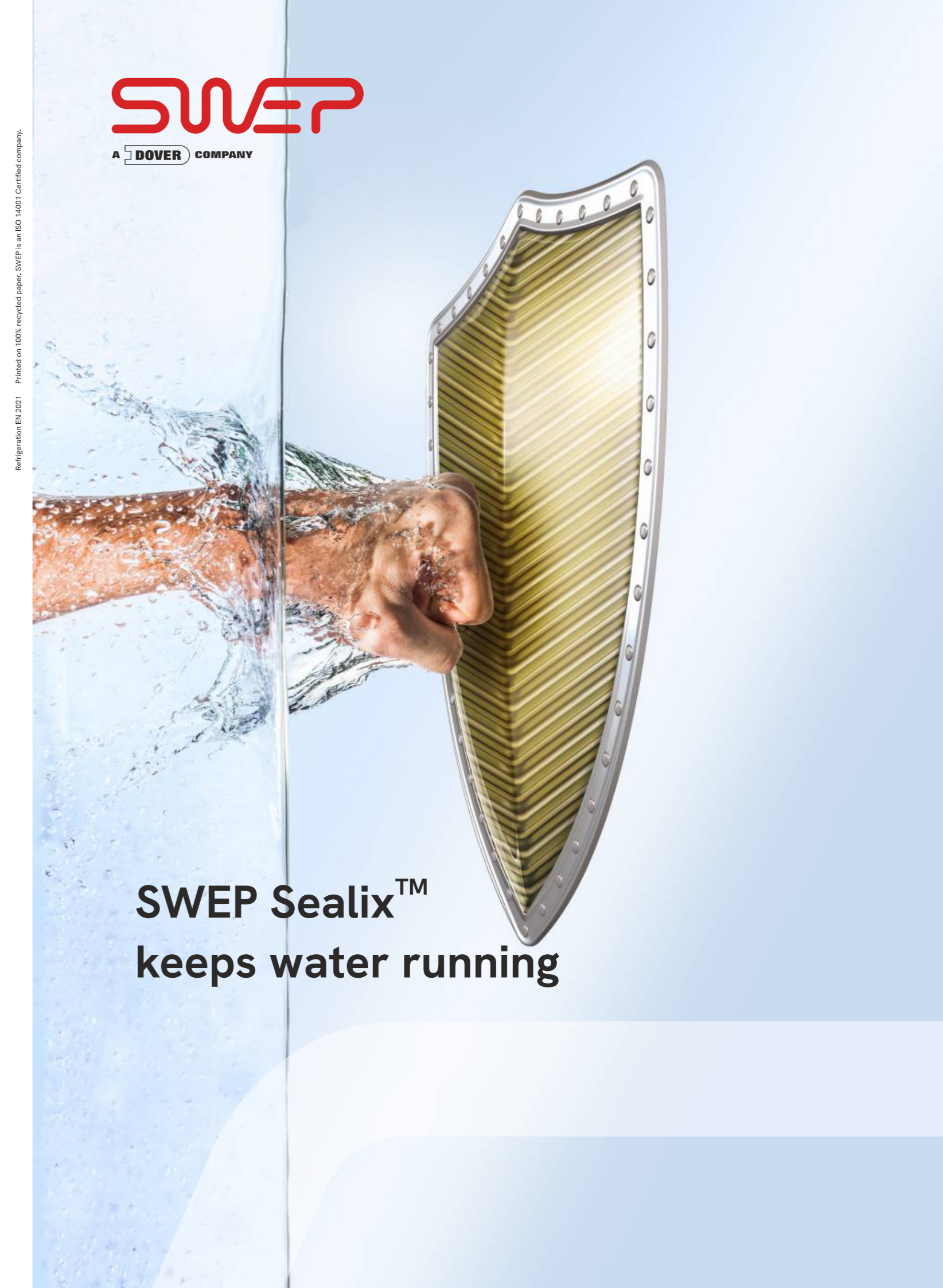




SWEP ensures efficient heat transfer where less means more. Since 1983, millions of our innovative brazed plate heat exchangers have been integrated into HVACR and industrial applications worldwide, enhancing the quality of life for billions of people. Our expertise in sustainable energy use has grown SWEP into a global company with more than 1,100 employees, five production sites and a presence in 50 countries. As part of Dover Corporation, we help redefine what is possible within the Clean Energy & Fueling segment. Make a difference. Visit swepgroup.com.

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SWEP Sealix™
keeps water running

SWEP Sealix™ - Extra protection for water applications

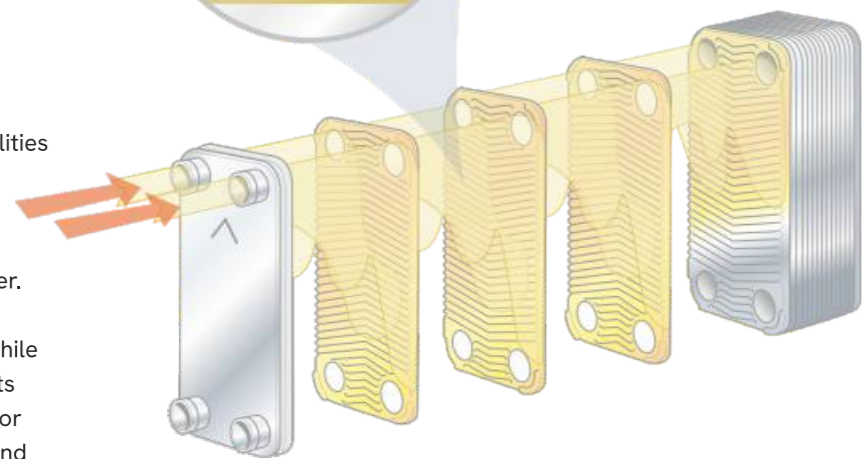
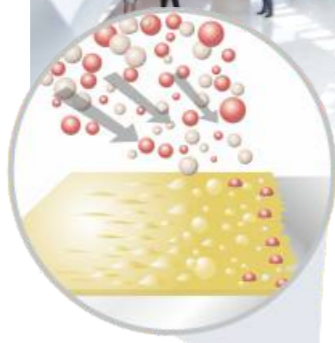
SWEP Sealix™ brazed plate heat exchanger (BPHE) technology improves durability, reduces metal leaching and increases resistance to corrosion and scaling in water to water applications. A protective layer is applied to inner surfaces that come into contact with water to increase the lifetime and operational safety of the entire system, reducing maintenance costs and unplanned downtime.

The challenges of water systems

All water systems vary in the type and concentration of minerals present. This can depend on the geographic area and treatment of the water itself. Water types with aggressive mineral profiles have a significant effect on current water technologies such as the brazed plate heat exchanger. This brings challenges like metal leaching, scaling and corrosion that can reduce the integrity of the water system and increase the risk of contaminants. SWEP Sealix™ adds a powerful layer of protection in the brazed plate heat exchanger against these challenges.

How SWEP Sealix™ works

The ceramic nature of the SWEP Sealix™ surface protection improves corrosion resistance. Customized organic functionalities in the protective layer, improves the surface behavior in relation to scaling while enhancing the mechanical and thermal stability of the SWEP Sealix™ layer. The innovative self-cleaning nature of the sealant also reduces deposit formation while protecting the surface. SWEP Sealix™ units installed in tap water systems in Europe for example, are continually outperforming and



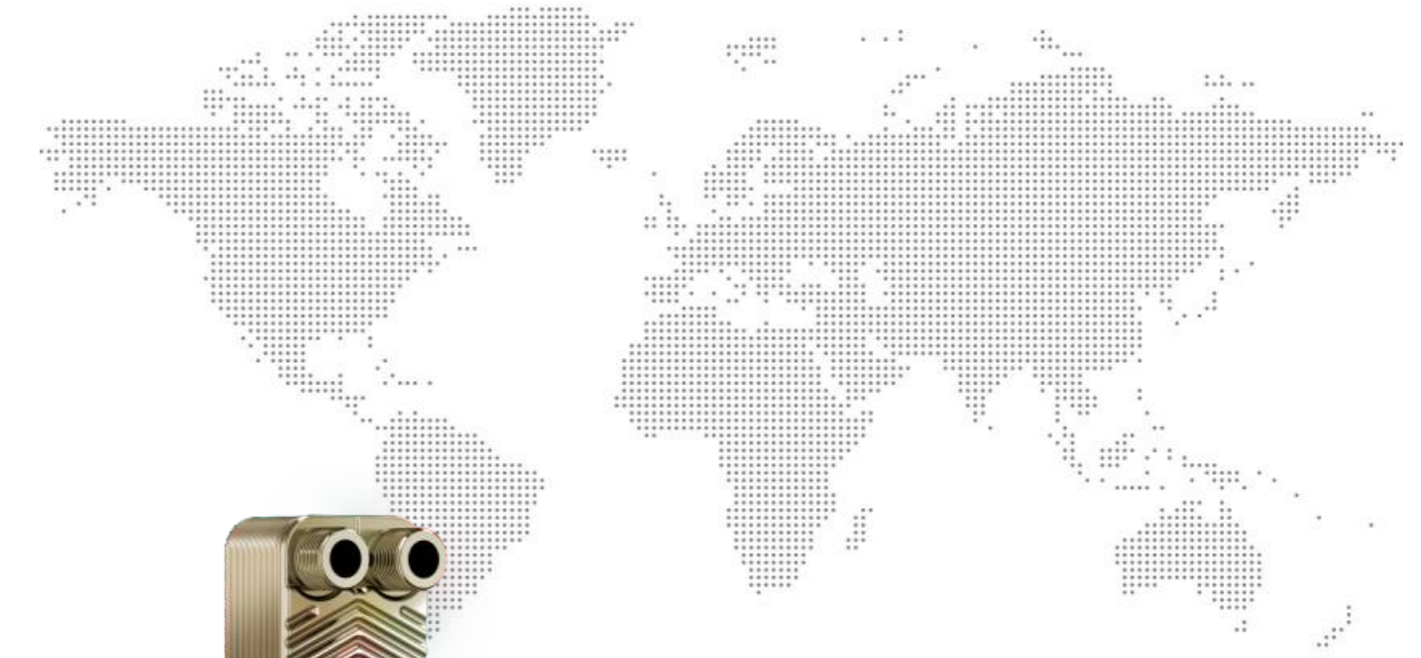
outlasting their standard non-Sealix™ counterparts.

High uptime. Low maintenance

Increase the efficiency and operational lifetime of the entire system while reducing maintenance costs and unplanned downtime with SWEP Sealix™. Building owners and construction professionals can have peace of mind on the integrity of their water system. The protective layer is applied to inner surfaces of the heat exchanger that come into contact with water.

Extending to other applications

Surface sealing and its protective benefits can also be used in a wide range of applications including: storage tank protection, drinking bottles and cartons, condensing primary heat exchangers and shell & tube heat exchangers, and a wide range of automotive applications.



SWEP Sealix™ success stories

The SWEP Sealix™ technology has been proven in a variety of long-term tests in Europe. In an installation in Eastern Germany, SWEP Sealix™- treated brazed plate heat exchangers have replaced conventional heat exchangers without any failures since March 2016. In another installation in Munich, several hundred SWEP Sealix™ brazed plate heat exchangers have been operating without failure since March 2016 - whereas a conventional heat exchanger in the same installation failed after just two years.

Recognized by international organizations

The positive benefits of surface sealing have been independently verified by several renowned test institutes and SiO₂ coatings are internationally recognized by many leading authorities, including the FDA in USA, EFSA in Europe, and JIAFE in Japan.

The SWEP Sealix™ product range

The SWEP Sealix™ brazed plate heat exchanger features the surface sealing on inner surfaces of the brazed plate heat exchanger, resulting in enhanced behavior in terms of scaling, leaching and corrosion while maintaining thermal and hydraulic performance. These products combine SWEP Sealix™ features with excellent heat transfer offering an increased lifetime solution for water applications. All parts that come into contact with water are covered by the protective surface treatment.

