

Cooling Water Treatment

Preventive Solutions and Complete Safety Programs

- Closed systems from less than 100 m³/hr to 550 m³/hr
- Open systems from 250 m³/hr to more than 100,000 m³/hr

Scale deposit, corrosion, fouling and biological proliferation can cause system downtime, loss of equipment efficiency, replacement of equipment, and can increase the risk of disease from pathogenic micro-organisms. In addition to supplying water treatment equipment, Veolia Water Solutions & Technologies provides a set of services allowing us to guarantee the reliable running of all your cooling water installations.

Hydrex™ range offers two advanced series of high performance chemical formulations for the treatment of open and closed cooling systems.

Hydrex™ 2000 SERIES

- Scale Inhibitors: phosphorus and non-phosphorus based products, homopolymeric dispersants and high performance polymers
- Corrosion inhibitors: anodic, cathodic, organic
- Biodispersants
- Cooling tower cleaning agents

Hydrex™ 7000 SERIES

- Oxidizing and non-oxidizing biocides for Legionella control and bio-fouling

A total solution

Our industrial water treatment specialists can provide you with:

- Sidestream filtration technologies from multimedia filters to membranes
- Chemical feed
- Control of cycles (scale and corrosion control devices) and chemical level for your cooling systems.

Industrial cooling is one of the most widely used industrial processes, and requires large volumes of water. We develop efficient water reuse solutions to produce large volumes of cooling make-up water for less cost to industries.



Hydrex™

A Global Packaged Offering for Cooling Water Treatment

- >>> Enhancing / restoring efficiency of cooling water systems
- >>> Maintaining cooling water systems integrity
- >>> Ensuring safe and cost-effective operation

Legionella Control

Hydrex™ provides the Legionella program to secure your facility and process: methodical analysis of risks, revamping of cooling water systems in accordance with regulation, analytical survey, technical assistance, cleaning of cooling towers and circuits, training, preventive treatment, extensive research & development programs, ...

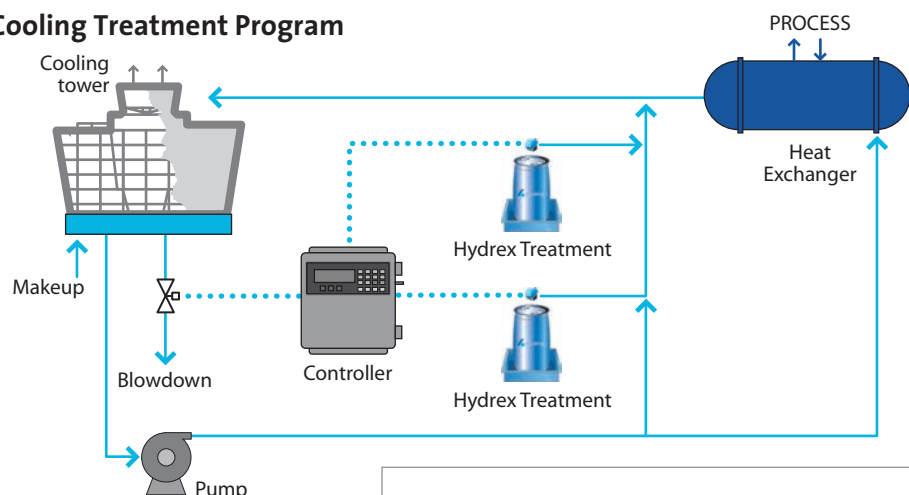


An example of a Cost Effective Program

For a closed circuit equipped with cooling towers

- Make-up water is: surface water, Ryznar Index 6, untreated water.
- Fouling of the packing had been observed after a few years of operation.
- The client had to decrease temperature of the circuit to avoid fouling. Production losses were very important.
- With Hydrex™, the annual cost of treatment now represents only 10 % of the previous loss of production per year.

Cooling Treatment Program



Hydrex™ is available worldwide

Contact your local Veolia representative for more information.