



ENGLISH




WATER DIVISION

Cooling circuits



The treatment of cooling circuit water is an integral part of process activities in many sectors.

The need to reduce water consumption and ensure optimisation of costs brings about an “exasperated” management of these circuits, emphasizing the problems due to scaling, corrosion and microbiological contamination.





TECHNICAL SERVICE

To complete the treatments, NCR Biochemical supplies management and control systems (local and remote) for the main operating parameters such as management of purges by conductivity measurement and/or water balance, pH control and adjustment, automated dosing of additives, monitoring of corrosion and fouling, etc.

Analysis of water and deposits, reading process parameters, identification of saturation indices, management simulation using special spreadsheets and performance optimisation are standard services that our technical support provides together with the treatments.

With our solutions, plants can be preserved and all parts of the circuit can be kept very clean to ensure high heat exchange, in full respect for the environment and worker safety.

NCR Biochemical carefully monitors every aspect linked to the cooling system through a chemical and operational plant evaluation, related to specific customer needs.

Regardless of the cooling system installed (closed circuit, single passage (once-through), semi-open with cooling tower or evaporative condensers), we can identify the optimum treatment solution:

Product range



DISPERSOL® 8000 SERIES

Antiscalants and dispersants for circuits fed with encrusting waters, to prevent the formation of mineral deposits such as

- Calcium carbonate
- Calcium sulphate
- Calcium phosphate
- Metal oxides (manganese iron, etc.)
- Calcium and magnesium silicates

Keeping surfaces clean, in the broadest sense of the term.

Complete range for conditioning water with Langelier Indices >3 and Ryznar Indices up to 2.5.



DISPERSOL® TDX SERIES

Dispersants and biodispersants to:

- Control inorganic and organic deposits
- Increase the effectiveness of specific bactericides.



STABILFLUID® 200 SERIES

- Corrosion and scale inhibitors for the protection of all metal surfaces (steel, copper and its alloys, zinc, etc.) for circuits fed with softened or naturally aggressive water.



SANITER® SERIES

- Algaecides, bactericides and fungicides compliant with the BP (EU Regulation 528/2012) to control biological proliferation, keep heat exchange surfaces clean and control Legionella Pneumophila



NCR Biochemical is an international chemical company specialized in water treatment, biotechnology and process additives in the paper and sugar industries. We produce the best chemical technologies, find the best solutions for our customers, develop our own dosing systems and have thirty years experience and expertise in pursuing quality, safety and environmental responsibility. We confront the global industrial reality with a comprehensive scientific approach which brings benefits and results to our clients.



Analysis



Technical assistance



Consulting

www.ncr-biochemical.com



World Network

- Italy | Bologna
- Italy | Milano
- Russia | Syasstroy
- China | Shenzhen
- Luxembourg | Windhof



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