Data Center Cooling & Water Treatment

Specialty chemistry for reliable cooling, asset protection and responsible water use.



Industrial cooling-water installation | Harvest image archive

Application expertise across the water cycle.

COOLING RELIABILITY

Manage scale and biofouling to help maintain effective heat transfer.

ASSET PROTECTION

Control corrosion and support clean, stable cooling-water circuits.

WATER EFFICIENCY

Select treatment around makeup quality, reuse opportunities and operating limits.

Cooling systems, protected.

Programs selected for water quality, system metallurgy and operating conditions.

OPEN COOLING WATER

OPTICORR® scale inhibitor

OPTICORR 710 / 760

Scale and corrosion inhibitors for open recirculating cooling systems. Help keep heat-transfer surfaces clean.

OPTICORR 750

Specialty control of silica and magnesium silicate scale in silica-limited cooling waters.

CLOSED FACILITY LOOPS

OPTIMAX NB-45

CLOSED-LOOP CORROSION PROTECTION

Designed for HVAC and cooling-water circuits operating with minimal makeup water. Provides corrosion protection for ferrous and non-ferrous metals.

Selection follows water quality, metallurgy and operating conditions.

Vanicide™

VANICIDE NX-110P

Non-oxidizing biocide for bacteria, algae and slime control in cooling water.

VANICIDE BD-705

Bio-dispersant to help remove and disperse slime deposits as part of a microbiological control program.

Depsolv®

DEPSOLV CD-3310

Alkaline cleaner for closed hot- and cold-water systems. Removes sludge, dirt and corrosion-derived solids during cleaning and flushing.

For cleaning and flushing; does not dissolve mineral scale.

MONITOR THE PARAMETERS THAT MATTER

pH • Conductivity • Inhibitor residual • Corrosion indicators • Microbiology

Server liquid-cooling circuits require separate OEM compatibility validation.

Better water. Cleaner systems.

Treatment packages for facilities with on-site RO, water recovery or wastewater treatment.

SCAFFIX® Antiscalant

SCAFFIX SI-550

RO ANTISCALANT

Polymeric antiscalant for mineral-scale control, with a focus on silica. Applied to RO systems according to feed-water analysis and recovery conditions.

Harvest Chemical Solutions — ROC SERIES

RO / NF MEMBRANE CLEANERS

ROC-2240	Alkaline / chelating cleaner for metal oxides and mixed deposits.
ROC-2260	Alkaline cleaner for organic deposits and biofouling.
ROC-2280	Acidic cleaner for mineral deposits and hydrated metal oxides.

Harfloc®

Polymer flocculants

Selected for suspended-solids removal in clarification and wastewater treatment. Grade and dosage are established through jar testing.

Application-specific selection

antifoams MELASIL®

Foam control solutions

SB-20 / SB-20DW • EO-255

Silicone and non-silicone defoamers for wastewater applications with foaming. Cooling-water use requires grade-specific assessment and validation.



Water-quality analysis | Harvest documentation

Validate, then optimise.

RO treatment and CIP follow feed-water analysis, foulant identification and membrane OEM operating limits.

From assessment to application.



Chemical dosing and application support

01 **Assess the system**

Review water quality, metallurgy, cooling architecture and operating history.

02 **Select the program**

Match chemistry to corrosion, scale, microbiological and fouling risks.

03 **Implement with control**

Define dosing, cleaning procedures and commissioning requirements.

04 **Monitor and optimise**

Track treatment residuals, water quality, corrosion indicators and water use.

SUPPORTING UTILITY TREATMENT

VANICIDE NX-150

Microbial control for fuel-storage systems. For backup-generator applications, confirm fuel compatibility and engine-manufacturer requirements before use.

COMPANY CREDENTIALS & ASSOCIATIONS

ISO 9001:2015 · ISO 14001:2015 · ISO 45001:2018 · Majelis Ulama Indonesia Halal · P3DN Peningkatan Penggunaan Produk Dalam Negeri · AIKKI Asosiasi Industri Kimia Khusus Indonesia · IdWA Indonesian Water Association

Certification scope, validity and product coverage are defined by the relevant certificates.

Discuss your cooling-water requirements.

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