

Boiler Water Treatment

Comprehensive technologies for the treatment of pressure boilers

Kurita is your competent partner for complete solutions – our sales and technical service representatives provide you locally with reliable tailor-made solutions for your boiler systems.

We take the continuous improvement of your plant availability to heart. Our aim is to support you reducing water and chemicals consumption, focusing on environmental respect and sustainability. For good reasons Kurita is already for ten years one of only 30 enterprises which are listed in the „NAI“ (Nature-Stock-Index).

OUR COMPREHENSIVE SERVICE INCLUDES:

- System survey and system analysis
- Development of customised treatment concepts
- Analytics (on-site and in own laboratories)
- Remote control, online data transfer
- Training of your staff
- Consulting for plant optimisation, design and equipment choice
- Logistics (transport & stock management)

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Boiler Water Treatment

Comprehensive technologies for the treatment of steam generators and boiler systems



For a complete control of your boiler system



Kurita is one of the global market leaders in industrial water and process treatment. With more than 60 years experience, we provide you with state-of-the-art solutions, tailored to the specific needs of your boiler systems.

BENEFITS

With our technologies we help you:

- REDUCING OPERATION COSTS
- INCREASING PLANT PRODUCTIVITY
- MAXIMISING PLANT LIFECYCLE
- OPTIMISING PLANT AND OCCUPATIONAL SAFETY

Optimal treatment of the boiler water is essential to ensure the high efficiency of boiler systems. Kurita therefore provides innovative technologies to prevent scale and corrosion in the entire boiler system.

CETAMINE®

Innovative and comprehensive technology based on film-forming amines to prevent corrosion and deposits in boiler systems.

FERROLIX®

Traditional treatment programme designed to prevent corrosion and deposits in all types of boiler systems. The products are available as single components or as complete all-in-one systems.

OXYGEN SCAVENGERS

Even small quantities of dissolved oxygen in the boiler water may cause corrosion in boiler systems. Kurita removes the remaining dissolved oxygen with the help of efficient volatile and non-volatile oxygen scavengers.

SCALE INHIBITORS / BOILER SCALE PREVENTION

The formation of scaling in the boiler reduces the efficiency of boilers and presents a serious safety risk. Kurita offers phosphate- and polymer-based scale inhibitors.

ALKALISATION OF FEED WATER, STEAM AND CONDENSATE

Corrosion in the downstream boiler equipment is mainly caused by condensed carbon dioxide. Kurita offers a complete range of neutralising amines for application in low, medium and high pressure boilers.

Technologies, Features and Applications

CETAMINE® FILM-FORMING TECHNOLOGY	<ul style="list-style-type: none"> • All-organic treatment concept allowing high cycles of concentration and savings in water & energy • All-in-one treatment concept to protect the whole water steam cycle against corrosion and scaling • Innovative treatment concepts for wet and dry lay-up • Specific products for food industry • Biodegradable products for low environmental impact • Online monitoring to analyse concentration of Cetamine® Film-forming Amine (CFA)
OXYGEN SCAVENGERS	<ul style="list-style-type: none"> • Organic and inorganic oxygen scavengers for food industry in accordance with FDA § 173.310 • Volatile oxygen scavengers for high pressure systems and All-Volatile-Treatment (AVT) concept • Non-toxic oxygen scavenger to replace hydrazine in the power industry • Non-toxic catalysed oxygen scavenger for low temperature feedwater conditions
INTERNAL TREATMENT	<ul style="list-style-type: none"> • Unique hardness & silica control products • Phosphate and phosphonate based deposit control programmes • Phosphorus-free deposit control based on dispersants • Treatment programmes for food industry in accordance with FDA § 173.310 • Phosphate products and polymers for high pressure boilers
FEEDWATER AND STEAM ALKALISATION	<ul style="list-style-type: none"> • Alkalisating amine blends for food industry in accordance with FDA § 173.310 • Specific alkalisating amine blends for low, medium and high condensate return systems • Specific treatment programmes for industrial systems with long steam and condensate lines