Cetamine®

Comprehensive and innovative technology for boiler water treatment

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
- Development of specific conservation procedures
- Close follow-up by our engineers from the start-up of the treatment until stable operating conditions are obtained
- Training of your staff
- Analytics (on-site and in own laboratories)
- Logistics (transport & stock management)

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The information presented herein corresponds to our interpretation of certain test results and field experience to date. This information is not to be taken as warranty or representation for which we assume legal responsibility. It is offered solely for your consideration, investigation and verification. (201701)

KURITA



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Comprehensive and innovative technology for boiler water treatment

KURITA



Cetamine®
For a complete control of your boiler performance







Kurita offers an innovative technology: Cetamine®, based on filming amines, representing the latest standard in boiler water treatment.

BENEFITS

With the Cetamine® technology we help you:

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

CETAMINE® TREATMENT IS BASED ON THE COMBINATION OF SEVERAL ACTIONS

- Formation of a hydrophobic film, adsorbed on metal surfaces all over the system; this amine film constitutes a continuous barrier between water and metal, cutting out corrosion without affecting the heat transfer
- Dispersion of scale-forming salts
- pH-control by means of neutralising amines

CETAMINE® INCLUDES A WIDE RANGE OF SPECIFIC PROGRAMS

- High and low pressure boilers
- Boilers with turbines
- Boiling out
- Wet & dry conservation of boilers
- Industrial and district heating networks
- Closed heating and cooling systems

CETAMINE® IS DESIGNED TO PROTECT THE ENTIRE INSTALLATION

- Prevention of corrosion and deposits in feedtanks, boilers, steam pipes, turbines and condensate lines
- For different types of make-up water qualities

Cetamine® - providing solutions for your benefits

COST REDUCTION INCREASE OF EFFICIENCY & RELIABILITY	• Very small increase of the conductivity	• Reduction of blow-down and hence energy & water costs • Avoiding carry-over into the steam system
	• Creating a hydrophobic protective layer in the whole system: feedtank, boiler and condensate lines	• Cutting-out of corrosion & corrosion deposits • Improvement of the protection of condensate lines • Decreasing of maintenance costs • Enhancing plant life & reliability
	• Enhancing of drop condensation in condensers and steam using machines • Slowly loosens and lifts existing scale	• Better thermal transfer & efficiency • Lower energy consumption • Yield improvement
HEALTH & ENVIRONMENTAL ASPECTS	• Products classified according to DIN EN 1717 • No hydrazine or hydrazine derivatives • Products in accordance to FDA regulation	• Suitable for district heating networks, heating up drinking water using heat exchanger • Recommended for pharmaceutical and food industry
	• Complying the requirements of well biodegradability (OECD 301 A-F)	• In accordance with environmental demands
	• Lower dosing compared to conventional treatments	• Reduction of effluent • Intended to minimise the use of chemicals
SIMPLE DOSING	• Single liquid product	• Easy to use without any mixing or dilution, reducing operator involvement time up to 80 % • Less equipment, storage and handling
	• Dosing independently from oxygen concentration and feed tank temperature • Dosing proportional to the make-up water	• Simple product detection: photometric, test kit or online measurement • Reduction of volume and treatment costs

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