

Cetamine®



Comprehensive Service

- » Complete survey of your system and working conditions
- » Laboratory support for water and deposit analysis
- » Close follow-up from our engineers from the start-up of the treatment until stable operating conditions are obtained
- » Regular on-site analysis and treatment control

Our products stand for high quality:
As part of BK Giulini GmbH BKG Water Solutions is successfully certified by the DQS GmbH fulfilling the standards of DIN EN 9001:2000 and ISO 14001:2004.



Filming Amines Technology for Boiler Water Treatment

Cetamine®

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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.

07/2009 BK021

Cetamine®

Filming Amines Technology for Boiler Water Treatment



Steam is a prime source of energy in many industries, used for power and heating purposes or as process steam. For this reason, boilers require "state of the art" water treatment to optimize their operational efficiency.

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



Cetamine® - providing solutions for your benefits

<p>Very small increase of the salinity</p>	<ul style="list-style-type: none"> » Reduction of blow-down and hence energy & water costs » Avoiding carry-over into the steam system 	<p>Cost reduction</p>
<p>Producing of a mono-molecular protective layer in the whole system: feedtank, boiler and condensate lines</p>	<ul style="list-style-type: none"> » Cutting-out of corrosion & corrosion deposits » Improvement of the protection of condensate lines » Decreasing of maintenance costs » Enhancing plant life & reliability 	<p>Increase of efficiency & reliability</p>
<p>Slowly loosens and lifts existing scale</p>	<ul style="list-style-type: none"> » Better thermal transfer & efficiency » Lower energy consumption 	
<p>Enhancing of drop condensation in condensers and steam using machines</p>	<ul style="list-style-type: none"> » Yield improvement 	
<p>Cetamine® V2000, V2100 & F3100 are classified according to DIN EN 1717</p>	<ul style="list-style-type: none"> » Suitable for district heating networks, heating up drinking water using heat exchanger. 	<p>Health & Environmental Aspects</p>
<p>No hydrazine or hydrazine derivatives</p>	<ul style="list-style-type: none"> » Recommended for Pharmaceutical and Food industry 	
<p>Product in accordance to FDA regulation</p>		
<p>Complying the requirement of an easy biodegradability (OECD 301 A-F)</p>	<ul style="list-style-type: none"> » In accordance with environmental demands 	
<p>Lower dosing compared to conventional treatments</p>	<ul style="list-style-type: none"> » Reduction of effluent » Intended to minimize the use of chemicals 	
<p>Single liquid product</p>	<ul style="list-style-type: none"> » Easy to use without any mixing or dilution, reducing operator involvement time up to 80 % » Less equipment, storage and handling 	<p>Simple Dosing</p>
<p>Dosing independent from oxygen concentration and feed tank temperature</p>	<ul style="list-style-type: none"> » Simple product detection: photometric or by titration » Reduction of volume and treatment cost 	
<p>Dosing proportional to the make-up water</p>		

<p>Cetamine® treatment is based on the combination of several actions:</p>	<p>Cetamine® includes a wide range of specific programs for:</p>	<p>Cetamine® is designed to protect the entire installation:</p>
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| <ul style="list-style-type: none"> » Formation of a monomolecular 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 neutralizing amines | <ul style="list-style-type: none"> » High and low pressure boilers » Boilers with turbines » Boilout » Wet conservation of boilers » Industrial and district heating networks » Closed heating and cooling systems » Different types of make-up water qualities | <ul style="list-style-type: none"> » Prevention of corrosion and deposits in feedtanks, boilers, steam pipes, turbines and condensate lines » Application of environmentally friendly and easy to use technologies » Reduction of energy and maintenance costs » Reduction of storage and handling |
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