



PRODUCT BULLETIN
BOILER WATER TREATMENT

AQUA-KEM 874

On-Line Cleaning for Steaming Boiler

General Description	AQUA-KEM 874 is a special chemical formulation designed for the on-line cleaning of a boiler during steaming, and for hot water recirculating systems.
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Advantages	- Scale & deposits in boiler internals can be removed without the necessity of shutting down the boiler
	- Chelants and sequesterants act on calcium and hardness scale particles & keep them as soluble complexes.
	- Synthetic polymers prevent suspended solids adhering to boiler surfaces.
	- Sludge is rendered more fluid & easier to blowdown.
	- Foaming & carryover is prevented by antifoam ingredient.
	Chemical ingredients used do not infringe FDA Regulations.

Application	For on-line cleaning of a steaming boiler, AQUA-KEM 874 is applied continuously for 8-12 weeks prior to shut down for maintenance. The action of AQUA-KEM 874 on the existing scales is expected to be gradual but is not uncommon to find a sudden release of large pieces of scale deposits. The operator has to be alerted and blowdown must be increased.
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Product Data	Appearance	Brown liquid
	Odor	mild
	Specific Gravity at 25°C	1.15-1.25
	Flash Point by "open-cup"	Above 130°
	pH of 1% solution	6-7

Feeding and Dosage	AQUA-KEM 874 should be fed continuously into the feed water line. It may be dosed in concentrated form or diluted with clear water in any proportion.
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Safety in Handling	Normal precautions should be taken to avoid contact of the chemical with the body or clothing. Eye protection and rubber gloves should be worn when handling. Affected parts should be flushed immediately with plenty of water.
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