

Water Treatment Newsletter

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Is a "little" scale good for Condenser Tubes?

NO! Some "eggshell" scale on heat transfer surfaces may have been considered acceptable 50 years ago. New enhanced condenser tubes, and high efficiency boilers coupled with today's fuel costs make clean surfaces a must.

1000 Ton A/C System - Operating 24 Hrs/Day,
180 Days/Year

Assume 1 Ton of Refrigeration Requires 0.9KWH

100 Ton x 0.9KW/Ton = 900KWH

	Clean	Light	Moderate	Heavy
Decrease in Efficiency	---	13%	25%	37%
Increased* Cost of Operation	---	\$35,117	\$67,385	\$99,972

*Assuming .07 c/KWH

Environmentally Safe Products "Green Chemistry"

The term "Green Chemistry" applies to a Water Treatment Technology that utilizes a totally organic, non-metal approach to scale and corrosion control. The combination of inhibitor actives used, addresses the balance between increasingly stricter environmental requirements and the concern for cost-effective performance. This program offers the benefits of being metal free, halogen stable and low phosphorus which provides a much more environmentally acceptable profile.

What is an ISO 9002 Certification?

The International Standards Organization establishes a set of guidelines to assure consistent quality. Audits are performed to certify a company's capability to comply.

Acceptable Corrosion Rates Defined:

Of course no corrosion is ideal, but not very realistic. The following is a general guideline commonly accepted in the industry:

Carbon Steel	0 - 2	Excellent
	2 - 3	Acceptable
	3 - 5	Fair
	5 - 10	Unacceptable
Copper	0 - .2	Acceptable
	.2 - .5	Fair
	> 1	Unacceptable
Stainless	0 - 1	Acceptable
	> 1	Unacceptable

This Newsletter courtesy of:

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