



SR Plus SC Scale Index Guide

**Recommendations for scaling index, scale inhibitor analysis,
and residual concentrations**

DTEA II™ SR Plus SC tablets provide organic deposit control plus scale and corrosion inhibition for small to medium sized industrial water systems.

Following are recommendations to guide effective use in waters of different scaling index:

Scaling index

Excellent protection from scaling is provided by the DTEA II™ SR Plus SC tablet in systems with Langolier Saturation Index (LSI) of +0.5 to +1.5, and possibly as high as +2.0. So, in general, for normal or relatively high hardness makeup water, we recommend that systems can be operated at cycles of concentration of 2 - 3.

Scale inhibitor concentration monitoring

Standard methods for measuring phosphonate and phosphate levels are effective in waters treated with DTEA II™ SR Plus SC tablets.

Expected phosphonate concentrations (residuals)

At recommended tablet dosages, phosphonate levels of 0.3 to 1.0 ppm are provided for most systems depending on tablet dissolution rates and blowdown rates. In higher hardness waters, the tablet dosage should be on the higher end of our recommendation, i.e., 1 tablet-pack per 8 RT vs. 1 tablet-pack per 25 RT (refrigeration tons).

Please keep in mind that these are general guidelines and should be used as a starting point for users to optimize from. Factors which affect performance are water system equipment design and operation as well as water chemistry. Also, factors which affect the release rate of the active ingredients from the tablet are temperature and water flow conditions.

