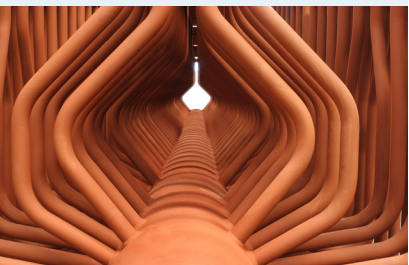


DReEM POLYMER™



DReEM Polymer is Kurita's award-winning polymer technology that removes silica and hardness scale from boiler water side surfaces up to four times more efficiently than conventional polymers. DReEM Polymer, also referred to as 'Dispersion and Removal effect Management' technology, is a unique chemistry developed to maximize heat transfer surface cleanliness and efficiency. It is unparalleled as an on-line cleaner of silica and iron silicate deposits and has won multiple energy conservation awards - named the most effective silica dispersant available for high temperature applications. DReEM Polymer is also highly efficient at dispersing silicate compounds and preventing calcium hardness deposition in operating boilers - significantly reducing fuel costs in low to medium pressure boilers.

KURITA AMERICA ADVANTAGE



DREEM POLYMER KEY FEATURES

- Controls and removes silica and hardness scale in low pressure boilers during normal operation
- Removes existing silica and hardness scale from boiler surfaces more efficiently than conventional polymers
- Ready to use liquid product
- Reduces operational costs by increasing system efficiency and extending equipment life

TARGETED INDUSTRIES

- Automotive
- Biofuels
- Commercial & Institutional
- Food & Beverage
- General Manufacturing
- Healthcare

Enhanced Scale Removal

DReeM Polymer, and the multi-component products that contain it, are proven to be exceptional at cleaning existing deposits on the water side of operating boilers. It is more effective at removing silicate scales than any other chemistry on the market as deposits made of calcium, magnesium and iron are quickly softened and removed from heat transfer surfaces. Unparalleled deposit removal is demonstrated in just a few months after converting to DReeM Polymer technology. Whether the deposits were caused by a one-time system upset, or are the result of sustained difficult water conditions, DReeM Polymer is the prevailing solution to support a facility with on-line system cleaning.

Reduced Fuel Expenses

Boiler tube deposits will greatly reduce heat transfer and increase fuel costs, even when only millimeters thickness. Silicate scales are the most insulating and energy-robbing of all the typical water-formed deposits. With DReeM Polymer technology silica and hardness scale are effectively dispersed resulting in a reduction of customer's fuel use by 5%, 10% and even more than 15% in just a few months after implementation. Once the boiler tubes are clean, DReeM Polymer technology is still a great choice for continuous treatment of many systems. This one of a kind dispersant technology allows boilers to operate at increased cycles of concentration, resulting in less loss of expensive and energy-laden hot water through blowdown.

Increased Equipment & Operator Safety

The traditional method to descale a boiler involves off-line chelant and acid cleanings. The chemicals used in these procedures are dangerous to handle and difficult to dispose of due to pollution control restrictions. There is generally significant reporting required to have these cleaning chemicals on a facility property, because acid or chelant cleanings have a high potential for damaging equipment, even when handled properly. Conversely, DReeM Polymer technology cleanings are conducted while the steam generating system is fully operational. The chemicals are safe to handle, and when used as directed, will not compromise the integrity of your critical capital assets.

User Friendly & Easy Handling

Kurita's DReeM Polymer products are easy-to-feed liquid products that can be fed directly from the shipping container with no additional mixing. Accurate control of the dosage is accomplished through an ultraviolet dye traced in the chemistry. This allows simple bench testing by plant operators. Real time monitoring and control technologies are also available from Kurita America. Field representatives will help to determine optimal product dosing; however, the feed protocol is simple. Just turn the dosage up to achieve the speed of cleaning that the system can safely handle. Once the cleaning is complete, turn the dosage down by about half to maintain the now clean boiler surfaces.

