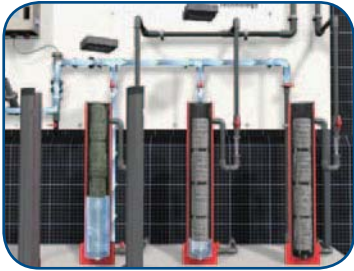


TOP 10 REASONS TO CHOOSE SMART RELEASE[®] TECHNOLOGY



Remaining polymer coatings for disposal

THE DIFFERENCE between Smart Release Technology[®] and other dry products is how the polymer coating *controls* the dissolution of actives

- 1. Lower CO₂ Emissions**
Reduce shipping weight per active pound of chemistry by 75%; no additional pumps required
- 2. Controlled Release of Product**
Polymer coating on SRT tablets controls release of actives in internal chemistry; allows for higher cycles of concentration in cooling towers and reduced water usage
- 3. Low Toxicity Technology**
50% reduction in toxicity with same actives eliminates discharge of harmful chemicals into the waterways; SRT tablets are non-hazardous and contain no heavy metal
- 4. Energy Efficiency**
SRT does not require additional electrical pumps. Tablets are placed in baskets in the Smart Feeders. Water is introduced via inlets in the base and exits through the top of the Smart Feeders with the addition of chemical actives
- 5. Personnel Safety**
Coatings and membranes completely isolate users from chemistry; safe to handle and no chemical spills; eliminates need for hazardous spray systems
- 6. 100% Recyclable Packaging**
Lightweight 100% recyclable cardboard packaging eliminates the need for plastic drums and pails; fewer emissions from production and manufacturing; reduced handling costs
- 7. Cost Effectiveness**
No feed pump failures or interruptions; less monitoring and unplanned maintenance
- 8. Ease of Disposal**
Used tablets are thrown-out with normal solid waste/trash; materials are non-toxic and include no heavy metals; only insoluble material remains
- 9. Convenience**
Great for hard-to-reach cooling towers
- 10. Regulatory Compliance**
Can receive LEED points for your building; meets Cooling Tower Institute and ASHRAE recommendations for continuous halogen



HOW IT WORKS

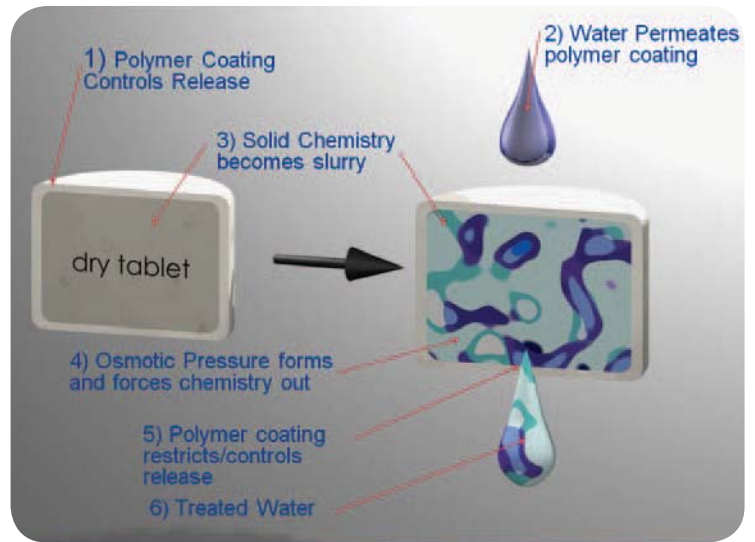
SCALE AND CORROSION INHIBITOR TABLETS

CHEMISTRY RELEASED BY OSMOSIS – CONSISTENT RELIABLE TREATMENT

1. Polymer coating controls the release of internal chemical (97% active).
2. Water permeates the polymer coating – diffusion only occurs when the Smart Feeder has flow. When the flow is turned off, the osmotic pressure equalizes and diffusion stops.
3. Water and chemistry react to create a slurry.
4. Osmotic pressure forms inside the tablet and causes the tablet to swell.
5. Chemistry is forced out through the polymer coating – polymer restricts and controls release.
6. Properly dosed water is generated.

**30 Days of
Continuous Operation**

**Less Product
Less Waste
Maximum Efficiency**



BIOCIDES

Smart Release® Technology controls the release of biocide through the use of patent-pending membranes. Every biocide has a different natural solubility which can be matched to a membrane porosity and area to provide the desired controlled release for 30 days.



Smart release
Technology



PRODUCT OFFERINGS

	Product	Packaging	Description	Dosage	LSI
Corrosion & Scale Inhibitors	C1432 SR	25 lb box (10 2.5 lb bags)	30 day scale and corrosion inhibitor for corrosive waters	25 ppm	1.5-2.2
	C1456 SR	25 lb box (10 2.5 lb bags)	30 day scale and corrosion inhibitor for scale forming waters	25 ppm	2.2-3.0
	C11448 SR	25 lb box (10 2.5 lb bags)	30 day scale and corrosion inhibitor for scale forming waters	20 ppm	2.2-2.6
Biocides	Biobrom C-100G (DBNPA)	12 lb box (12 - 2.5" canisters)	30 day controlled release non-oxidizing biocide	2-12 ppm	NA
	Biobrom C-100G (DBNPA)	6 lb box (6 - 5" canisters)	30 day controlled release non-oxidizing biocide	2-12 ppm	NA
	BromiCide (BCDMH)	10.8 lb box (12 - 2.5" canisters)	30 day controlled release oxidizing biocide	5-20 ppm	NA
	XtraBrom 111	12 lb box (12 - 2.5" canisters)	30 day controlled release non-oxidizing biocide	0-5.5 ppm	NA

	Product	Description
Equipment	5lb Feeder	Capacity of up to 5 lbs of tablets or biocides
	5lb Feeder w/ PRV	Pressure release valve included for use with BCDMH chemistries
	10lb Feeder	Capacity of up to 10 lbs of tablets or biocides
	10lb Feeder w/ PRV	Pressure release valve included for use with BCDMH chemistries
	15lb Feeder	Capacity of up to 15 lbs of tablets or biocides
	15lb Feeder w/ PRV	Pressure release valve included for use with BCDMH chemistries
	Pressure Release Valve (PRV)	125 PSI pressure release valve
	1 Feeder Mounting Kit	Mount one (1) 10 or 15 lb feeder to the wall
	2 Feeder Mounting Kit	Mount two (2) 10 or 15 lb feeders to the wall
	3 Feeder Mounting Kit	Mount three (3) 10 or 15 lb feeders to the wall



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	Estimated Annual Usage by Product		
Blowdown Per Year	Scale and Corrosion Inhibitor	Oxidizing Biocide	Non-Oxidizing Biocide
125,000 gallons	25 lbs	12 lbs	2.5 lbs
250,000 gallons	50 lbs	24 lbs	5 lbs
500,000 gallons	100 lbs	48 lbs	10 lbs
1,000,000 gallons	200 lbs	95 lbs	20 lbs
1,500,000 gallons	300 lbs	143 lbs	30 lbs
>1,500,000 gallons	Please consult ChemTreat representative for proper sizing		



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