



DuBois

Water Treatment Product Guide

Leading the Way in Innovative Boiler Water Treatment

For many years DuBois has been an innovator in the area of boiler scale and corrosion inhibition. We have developed safer and more effective drum-free products that eliminate drum handling hazards, labor, and costs. Whether your boiler is in a hospital, school, food processing, or manufacturing facility, we have the products to meet your needs. For more information, consult your DuBois representative and technical data sheets.

PRODUCT SELECTION GUIDE

Confidence PBB Products (Powders)

Confidence 10 PBB	Scale and corrosion inhibitor		H				
Confidence 10 C PBB	Scale and corrosion inhibitor		H				C
Confidence 40 PBB	Scale and corrosion inhibitor			SHA			
Confidence 60 C PBB	Scale and corrosion inhibitor			SHA			C
Confidence 41 PBB	Scale and corrosion inhibitor					SLA	
Confidence 41 C PBB	Scale and corrosion inhibitor					SLA	C

Confidence Products (Liquids)

Confidence 10	Scale and corrosion inhibitor		H				
Confidence 10 C	Scale and corrosion inhibitor		H				C
Confidence 40	Scale and corrosion inhibitor			SHA			
Confidence 60 C	Scale and corrosion inhibitor			SHA			C
Confidence 41	Scale and corrosion inhibitor					SLA	
Confidence 41 C	Scale and corrosion inhibitor					SLA	C

US/Canada
Hard Makeup Water
Softened Makeup Water
High Alkalinity
Softened Makeup Water
Low Alkalinity
Condensate Line Treatment Added

Condensate Line Treatment

Conden Saf 1100	Filming corrosion inhibitor		FC	FA						O
Conden Saf 2500	Corrosion inhibitor		FC		S					
Conden Saf 2600	Corrosion inhibitor		FC		S					
Conden Saf 2800	Dairy corrosion inhibitor		FC		S		DA			
Conden Saf 3300	Oxygen scavenger									O
Conden Saf 4675	Triple blend corrosion inhibitor		FC				T		L	
Conden Saf 4750	Dual blend corrosion inhibitor		FC			D			L	
Conden Saf 6700	Concentrated corrosion inhibitor		FC		S				L	
Confidence C Products	See products		FC		S*		T*		L*	

US/Canada
Approved for Food Contact
Filming Amine
Single Blend
Dual Blend
Triple Blend
Dairy Approved
Long Steam Lines
Oxygen Protection in Steam Lines

* Confidence 10 C/10 C PBB/41 C are single amines covering short to medium lines.
 * Confidence 60 C/60 C PBB/41 C PBB are triple amines and cover long lines.

All Conden Saf and Confidence C products are neutralizing amines except for Conden Saf 1100 and Conden Saf 3300.

Classifications reflect primary uses for products.

Cooling Tower Treatment Simplicity

Regardless if you require a traditional liquid treatment program, or can benefit from our new drum-free PBB technology, we have a wide variety of products to address your scale, corrosion, and biocontrol needs. For more information, consult your DuBois representative and technical data sheets.

PBB Products (Powders)

EZ Cool PBB	Scale and corrosion inhibitor		HA	LA	AO		LM		
Passivate Plus PBB	Scale and extra corrosion inhibitor			LA			LM	HM	WR
Supertrex PBB	Scale and corrosion inhibitor		HA				LM		
Ultrex PBB	Scale and corrosion inhibitor		HA					HM	
Ultrex LM PBB	Scale and corrosion inhibitor			LA				HM	

Liquid Products

GCO-10	Scale and corrosion inhibitor and biocontrol		HA		AO		LM		
GCO-10-Visigard	Scale and corrosion inhibitor and biocontrol		HA		AO	CT	LM		
GCO-30	Scale and corrosion inhibitor and biocontrol		HA		AO			HM	
GCO-30-Visigard	Scale and corrosion inhibitor and biocontrol		HA		AO	CT		HM	
GCO-10 LM	Scale and corrosion inhibitor and biocontrol			LA	AO		LM		
GCO-10 LM-Visigard	Scale and corrosion inhibitor and biocontrol			LA	AO	CT	LM		
GCO-30 LM	Scale and corrosion inhibitor and biocontrol			LA	AO			HM	
GCO-30 LM-Visigard	Scale and corrosion inhibitor and biocontrol			LA	AO	CT		HM	
Supertrex	Scale and corrosion inhibitor		HA				LM		
Supertrex Blue	Scale and corrosion inhibitor		HA			CT	LM		
Omnitrex	Concentrated scale and corrosion inhibitor		HA					HM	
Omnitrex Blue	Concentrated scale and corrosion inhibitor		HA			CT		HM	
Monitrex Plus	Scale and extra corrosion inhibitor			LA			LM		WR
Hi Cycle 126	High Silica control		HA					HM	
Hi Cycle 127	Concentrated scale and corrosion inhibitor			LA				HM	
Hi Cycle 147	Scale and corrosion inhibitor			LA			LM		
Dicatrete	Alkalinity/pH control; scale and corrosion inhibitor		HA						
Dica 66	Concentrated alkalinity & pH control		HA						

US/Canada
 Higher Alkalinity
 Lower Alkalinity
 All in One
 Color Tracer
 Low Volume Makeup < 4,000 gpd
 High Volume Makeup > 4,000 gpd
 White Rust

Hot and Chill Water Loops

Isogard	Corrosion inhibitor		H	CH	N			
Isogard Plus NT	Concentrated corrosion inhibitor		H	CH	N			
IWT-4B	Corrosion inhibitor		H	CH	N			
Thorogard	Corrosion inhibitor			CH			M	
Omni-Gard	Concentrated corrosion inhibitor			CH			M	
Thermogard	Corrosion inhibitor		H					D

US/Canada
 Hot
 Chill
 Nitrite
 Molybdate
 DEHA

Classifications reflect primary uses for products.

Biocide Selection Guide

Deep Crystal	Algaecide						P		O	
GAX-16	Broad spectrum biocide		L							NO
GAX-20	Antimicrobial		L							NO
GAX-26	Microbiocide		L							NO
SHS-900	Chlorinated sanitizer		L						O	
Trexcide 380	Broad spectrum biocide		L						O	
Trexcide 390 (Gel)	Microbiocide								O	
Trexcide 435	Microbiocide		L						O	
Trexcide 450	Dual microbiocides						P			NO
Trexcide 452	Microbiocide							S		NO
Trexcide 499	Algaecide		L							NO
Wax-7	Broad spectrum biocide							S	O	

US/Canada
 Liquid
 Powder
 Solid
 Oxidizer
 Nonoxidizer

Cleanup Product Selection Guide

D-Sludge	Sludge conditioner and dispersant		B	CT	ON			NA			CH
D-Sperse-X	Sludge conditioner		B	CT	ON			NA			CH
Deep Crystal	Algaecide			CT		OFF			CHL		
Elim Iron	Multidescalant		B		ON	OFF		NA			CH
Liquid 422	Precleaner for boiler and tower system		B	CT		OFF					CH
Liquid Dica	Inhibited acid descaler		B			OFF	A				
Penetrex	Dispersant/antifoulant			CT	ON	OFF		NA		BD	C
Safe D Scale	Galvanized safe acidic descaler and cleaner		B	CT		OFF	A				
Super Dica	Galvanized safe acidic descaler and cleaner		B	CT		OFF	A				
Zeo Kleen	Softening unit/resin cleaner										

US/Canada
 Boiler
 Cooling Tower
 Online Descale
 Offline Descale
 Acid
 Nonacid
 Chlorine (powder)
 Biodispersant
 Chill & Hot Water loops

Boiler Auxiliary Products

Fuel N Rich Supreme	Multipurpose fuel oil additive	
GWT-16	Liquid sulfite for scavenging oxygen	
Hytherm 150	Noncarbonate alkalinity builder	
Hytherm 225	Powdered catalyzed sulfite for scavenging oxygen	
Hytherm 240	Liquid catalyzed sulfite for scavenging oxygen	
Hytherm 500	Scale control for boiler water treatment	
Isoplus	Concentrated oxygen control/scale control	

Classifications reflect primary uses for products.

US/Canada

Confidence PBB Products (Powders)

Confidence PBB products are powdered all-in-one treatments for steam boilers. They incorporate online scale removal, metal passivation, oxygen scavengers, sludge conditioners, and dispersants. The use of premeasured pouches and the makedown system allows for controlled mixing with minimal personnel contact. These products are approved for food plants.

Confidence 10 PBB



Confidence 10-C PBB



Confidence 10-C PBB is for nonsoftened makeup water for steam boilers up to approx. 200 psig. The Confidence 10 PBB version contains no condensate treatment, while the Confidence 10-C PBB product contains a neutralizing amine for condensate protection.

Confidence 40 PBB



Confidence 40 PBB is for high alkalinity softened makeup water for steam boilers.

Confidence 60-C PBB



Confidence 60-C PBB all-in-one product is designed to provide total system protection when using softened makeup waters that do not require an alkalinity builder or when unsoftened makeup alkalinity significantly exceeds hardness. Contains

a blend of three amines designed to volatilize with steam and neutralize carbonic acid upon condensation. Designed to protect condensation points which are both short and long distances.

Confidence 41 PBB



Confidence 41-C PBB



Confidence 41-C PBB is for low alkalinity softened makeup water for steam boilers. Also incorporates noncarbonate alkalinity builders. The Confidence 41 PBB product contains no condensate treatment while the Confidence 41-C PBB version contains a triple neutralizing amine blend for condensate corrosion protection.

Confidence Products (Liquids)

Confidence products use patented technology to provide effective protection from oxygen attack, scale formation, and return condensate corrosion. Several variations are available for a variety of water conditions.

Confidence 10



Confidence 10-C



Confidence 10-C all-in-one products provide total system protection when using nonsoftened makeup waters. The Confidence 10 version contains no condensate treatment, while the Confidence 10-C product contains a neutralizing amine for condensate protection.

Confidence 40



Confidence 40 all-in-one product is designed to provide boiler system protection when using softened makeup waters that do not require an alkalinity builder, or when unsoftened, makeup alkalinity significantly exceeds hardness.

Confidence 60-C



Confidence 60-C all-in-one product designed to provide total system protection when using softened makeup waters that do not require an alkalinity builder or when unsoftened makeup alkalinity significantly exceeds hardness. Contains a blend of three amines designed to volatilize with steam and neutralize carbonic acid upon condensation. Designed to protect condensation points, which are both short and long distances.

Confidence 41



Confidence 41-C



Confidence 41-C all-in-one products are designed to provide total system protection when using softened, low alkalinity makeup water. The Confidence 41 product contains no condensate treatment while the Confidence 41-C version contains a neutralizing amine for condensate corrosion protection.

Condensate Line Treatment

Conden-Saf 1100



Conden-Saf 1100 is a primary filming amine. Corrosion protection is provided in condensate return systems by forming a nonwetable, monomolecular film on all surfaces, which are in contact with the treated condensate. This film protects against both oxygen and carbon dioxide attack.

Conden-Saf 2500



Conden-Saf 2500 is a low distribution, neutralizing amine for the control of carbonic acid grooving in condensate systems. Normally used in smaller systems or where condensation occurs near the boiler system (pressure > 35 psig).

Conden-Saf 2600



Conden-Saf 2600 condensate line treatment is a concentrated neutralizing amine for the prevention of grooving and other corrosive deterioration of condensate lines.

Conden-Saf 2800



Conden-Saf 2800 is for condensate line protection in food or dairy plants where amines cannot be used.

Conden-Saf 3300



Conden-Saf 3300 is a catalyzed liquid oxygen scavenger and metal passivator designed to protect the boiler, boiler feed equipment, and condensate system.

Conden-Saf 4675



Conden-Saf 4675 is a blend of three amines designed to volatilize with the steam and neutralizes carbonic acid upon condensation. Since it is a blend it is designed to protect condensation points that are both long and short distances. It is concentrated for use in larger systems.

Conden-Saf 4750

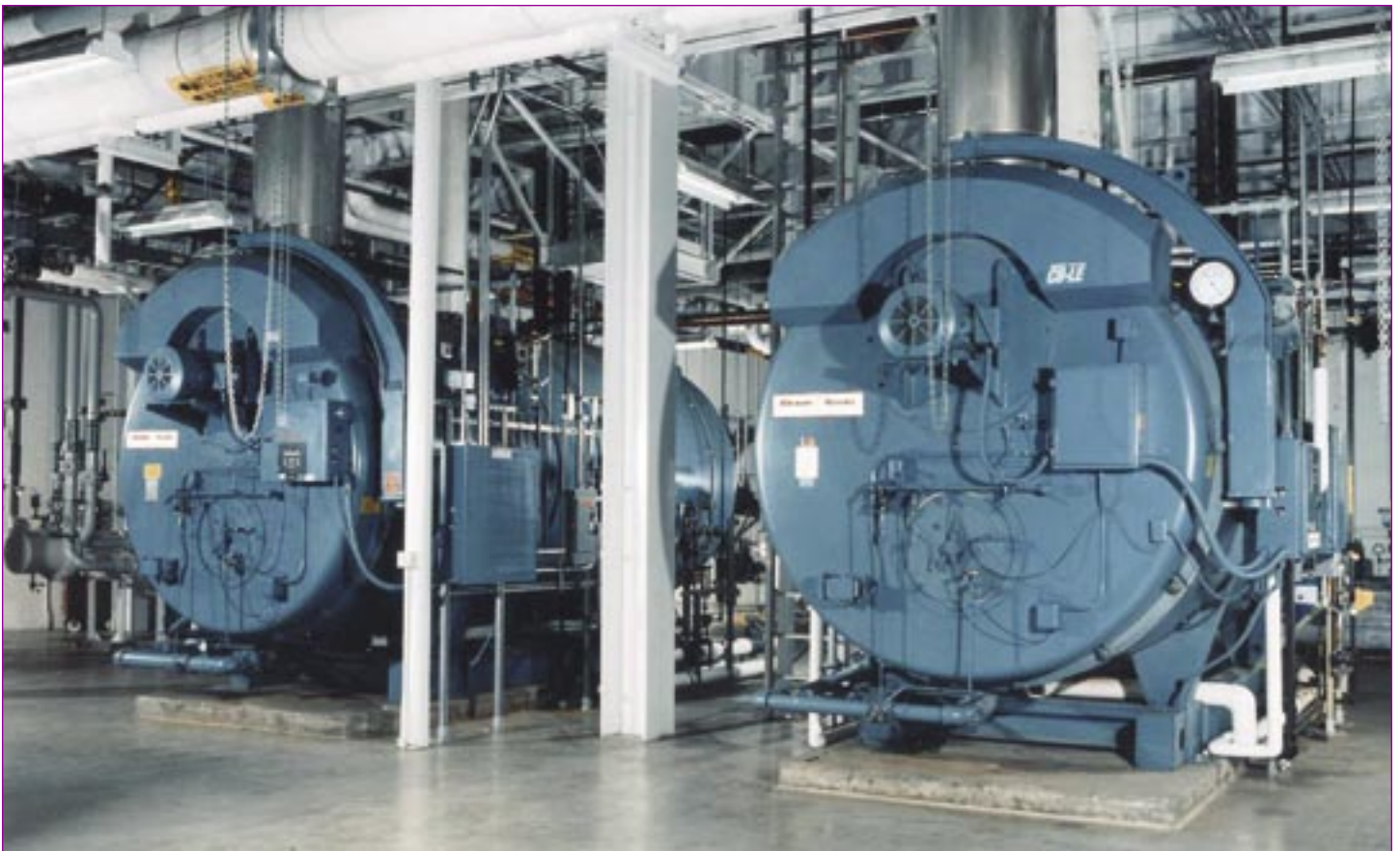


Conden-Saf 4750 is a blend of low and high distribution neutralizing amines for the control of carbonic acid grooving. It provides protection over a broad range of system sizes and conditions.

Conden-Saf 6700



Conden-Saf 6700 condensate line treatment is designed to provide corrosion protection by neutralizing carbonic acid upon condensation. Should be used in more difficult situations of steam line protection particularly where a high distribution ratio is required such as remote areas of the plant.



Approved for Food Contact (FC) Filming Amine (FA) Single Blend (S) Dual Blend (D) Triple Blend (T)
Dairy Approved (DA) Long Steam Lines (L) Oxygen Protection in Steam Lines (O)

Cooling Tower PBB Products (Powders)

This patented family of cooling tower treatment products provides superior scale and corrosion protection by using a blend of antiscalants, dispersants, and corrosion inhibitors. PBB can be used in systems using either high or low alkalinity makeup water.

EZ Cool PBB

 HA LA AO LM

EZ Cool PBB provides superior scale and corrosion control to an extremely wide range of hardness and alkalinity waters. It is a multifunctional blend of corrosion inhibitors, dispersants, and antiscalants for maintaining efficiency of the cooling system, through wide swings in makeup water quality. Can be activated to make an all-in-one with GAX-16.

Passivate Plus PBB

 LA LM HM WR

Passivate Plus PBB is a drum-free cooling water treatment blend of corrosion inhibitors and scale agents which provide superior scale and corrosion control in systems using low alkalinity makeup water. Also excellent for white rust passivation.

Supertrex PBB

 HA LM

Supertrex PBB used in systems with high alkalinity makeup water. Supertrex PBB is delivered in premeasured pouches for addition of the product to the PBB makedown system.

Ultrex PBB

 HA HM

Ultrex PBB used in systems with high alkalinity makeup water. Ultrex PBB is a free flowing powder typically used in larger open recirculating systems.

Ultrex LM PBB

 LA HM

Ultrex LM PBB used in systems with low alkalinity makeup water. Ultrex LM PBB is a free flowing powder typically used in larger open recirculating systems.

Tear yourself away from drums with PBB (Powder in a Bag in a Box)

One case of PBB, Powder in a Bag in a Box, replaces 20–30 gallons or 200–300 pounds of liquid. Just empty the pouch into the compact “makedown” system, and toss the bag in the trash. Recycle the cardboard box. It’s that easy!



With PBB we eliminated:

- Drum handling costs
- Drum handling labor
- Drum handling hazards
- Drum disposal costs
- Excessive freight costs
- Storage space concerns



Higher Alkalinity (HA) Lower Alkalinity (LA) All in One (AO) Color Tracer (CT)
Low Volume Makeup <14,000 gpd (LM) High Volume Makeup >14,000 gpd (HM) White Rust (WR)

Cooling Tower Liquid Products

Our patented all-in-one cooling water treatment leads the way with corrosion, scale, and biofouling control in one drum. This EPA registered family of products consists of several blends designed to cover large and small systems, high and low alkalinity. The Visigard versions are unique in that product level in the system can be determined at a glance.

GCO-10 HA AO LM

GCO-10 is for use in higher alkalinity water. Can control up to 500 ppm M alkalinity and 1000 ppm total hardness.

GCO-10 w/Visigard HA AO CT LM

GCO-10 w/Visigard is for use in higher alkalinity water. Can control up to 500 ppm M alkalinity and 1000 ppm total hardness.

GCO-30 HA AO HM

GCO-30 is designed for larger systems using higher alkalinity water. Can control up to 500 ppm M alkalinity and 1000 ppm total hardness.

GCO-30 w/Visigard HA AO CT HM

GCO-30 w/Visigard is designed for larger systems using higher alkalinity water. Can control up to 500 ppm M alkalinity and 1000 ppm total hardness.

GCO-10 LM LA AO LM

GCO-10 LM is for use in lower alkalinity water. Excellent corrosion protection in aggressive water. Can control up to 200 ppm M alkalinity and 500 ppm total hardness.

GCO-10 LM w/Visigard LA AO CT LM

GCO-10 LM w/Visigard is for use in lower alkalinity water. Excellent corrosion protection in aggressive water. Can control up to 200 ppm M alkalinity and 500 ppm total hardness.

GCO-30 LM LA AO HM

GCO-30 LM is for use in larger systems using lower alkalinity water. Excellent corrosion protection in aggressive water. Can control up to 200 ppm M alkalinity and 500 ppm total hardness.

GCO-30 LM w/Visigard LA AO CT HM

GCO-30 LM w/Visigard is for use in larger systems using lower alkalinity water. Excellent corrosion protection in aggressive water. Can control up to 200 ppm M alkalinity and 500 ppm total hardness.

Supertrex HA LM

Supertrex cooling tower treatment is an exclusive blend of corrosion inhibitors and scale control agents which provide superior scale and corrosion control to systems using high hardness, high alkalinity makeup waters. This multifunctional blend of antiscalants, dispersants, and corrosion inhibitors is outstanding for maintaining the efficiency of open recirculating cooling systems.

Supertrex Blue HA CT LM

Supertrex Blue cooling tower treatment is an exclusive blend of corrosion inhibitors and scale control agents which provide superior scale and corrosion control to systems using high hardness, high alkalinity makeup waters. This multifunctional blend of antiscalants, dispersants, and corrosion inhibitors is outstanding for maintaining the efficiency of open recirculating cooling systems. A blue dye/tracer aids product tracing, reducing the need for frequent chemical testing with reagents.

Omnitrex HA HM

Omnitrex cooling water treatment is a highly concentrated, nonchromated, alkaline treatment primarily for large cooling tower systems. Omnitrex treatment provides superior scale control and corrosion control in systems using high hardness and alkalinity makeup waters. It is synergistic blend of antiscalants, dispersants, and corrosion inhibitors for maintaining efficiency of cooling systems.



Higher Alkalinity (HA) Lower Alkalinity (LA) All in One (AO) Color Tracer (CT)
Low Volume Makeup <14,000 gpd (LM) High Volume Makeup >14,000 gpd (HM) White Rust (WR)

Omnitrex Blue

 HA CT HM

Omnitrex Blue cooling tower treatment is a concentrated, nonchromated alkaline treatment primarily for large cooling tower systems. Omnitrex Blue treatment provides superior scale and corrosion control to systems using high hardness, high alkalinity makeup waters. It is a synergistic blend of antiscalants, dispersants, and corrosion inhibitors for maintaining the efficiency of cooling systems. A blue dye/tracer aids products tracing and reduces the need for frequent chemical testing with reagents.

Monitrex Plus

  LA LM WR

Monitrex Plus cooling water treatment is a multifunctional synergistic blend of polymers, organic and inorganic phosphates, and sludge dispersants that provide excellent corrosion protection and heat exchange efficiency. It also provides superior antiscaling properties. It is particularly effective for use with corrosive, low hardness makeup water that contains less than 40 ppm M-alkalinity.

Hi Cycle 126

 HA HM

Hi Cycle 126 cooling water treatment is a highly concentrated, nonchromated, alkaline treatment primarily for large cooling tower systems. HiCycle 126 treatment provides superior scale control and corrosion control to systems using high hardness, high silica, and higher alkalinity makeup waters.

Hi Cycle 127

 LA HM

HiCycle 127 cooling water treatment is a highly concentrated alkaline treatment for cooling tower systems. Hi Cycle 127 provides superior corrosion inhibition and dispersancy to systems using low hardness/low alkalinity makeup waters. It is a multifunctional blend of corrosion inhibitors, dispersants, and antiscalants for maintaining efficiency of the cooling system.

Hi Cycle 147

 LA LM

Hi Cycle 147 cooling water treatment is a highly concentrated alkaline treatment for cooling tower systems. It provides superior corrosion inhibition and dispersancy to systems using low hardness/low alkalinity makeup waters. It is a multifunctional blend of corrosion inhibitors, dispersants, and antiscalants for maintaining efficiency of the cooling system.

Dicatrete

  HA

Dicatrete cooling water corrosion inhibitor and alkalinity control acts to control/prevent scaling in systems using makeup water where the total alkalinity is 250 ppm or more.

Dica 66

 HA

Dica 66 is a sulfuric acid product designed to lower pH/alkalinity in cooling towers and other systems.

Higher Alkalinity (HA) Lower Alkalinity (LA) All in One (AO) Color Tracer (CT)
Low Volume Makeup <14,000 gpd (LM) High Volume Makeup >14,000 gpd (HM) White Rust (WR)

Hot and Chill Water Loops

Isogard

  H CH N

Isogard is a nitrite based corrosion inhibitor for closed hot and cold water systems that protects both ferrous and nonferrous metals.

Isogard Plus NT

  H CH N

Isogard Plus NT provides corrosion protection to multimetal systems (except aluminum) operating at high or low temperatures. Intended for systems requiring minimal makeup.

IWT-4B

  H CH N

IWT-4B is a nonchromated corrosion inhibitor that provides protection to multimetal systems operating at high or low temperatures. It is recommended for hot water heating systems (max. 250°F), chilled water circuits, and other closed systems containing ferrous and nonferrous metals. The IWT-4B inhibitor is intended for systems requiring minimal makeup.

Thorogard

  CH M

Thorogard is a molybdate based blend of special inhibitors that are far more cost effective to use than traditional nitrite programs since they contain excellent deposit control as well as protection for copper alloys.

Omni-Gard

  CH M

Omni-Gard is a molybdate based blend of special inhibitors that are far more cost effective to use than traditional nitrite programs since they contain excellent deposit control as well as protection for copper alloys.

Thermogard

 H D

Thermogard provides multimetal protection in closed systems requiring minimal conductivity.

Hot (H) Chill (CH) Nitrite (N) Molybdate (M) DEHA (D)

Cleanup Product Selection Guide

D-Sludge

 **B CT ON NA CH**

D-Sludge, online descalant, when fed with a boiler or cooling water treatment can remove certain scales in as little as 90 days. Through tight control of cycles and proper chemical levels, a D-Sludge addition can provide outstanding results without the need for shutdown.

D-Sperse-X

 **B CT ON NA CH**

D-Sperse-X is a sludge conditioner/synthetic polymer blend and sequestering agent is specially formulated to prevent the buildup of foulant deposits on the water side surfaces of boilers, heat exchangers, coolers, condensers, compressors, holding tanks, valves, and pipelines.

Deep Crystal

 **CT OFF CHL**

Deep Crystal, algaecide, is a dry source of chlorine to eliminate visible algae and slime stringers.

Elim-Iron

 **B ON OFF NA CH**

Elim-Iron, nonacid descaler and cleaning agent, has been shown to be effective on iron oxides and hardness scales in both gradual, long term cleanups and out of service, rapid cleanups. Safety and effectiveness have made this the product of choice in boiler cleanups.

Liquid 422

 **B CT OFF CH**

Liquid 422 cleaner is a low viscosity, general purpose, phosphate free, alkaline cleaner. It is recommended for any new system that needs to be precleaned of oils, dirt, and other materials present in piping, boiler, and cooling towers. The high solids content in Liquid 422 make it economical.

Liquid Dica

 **B OFF A**

Liquid Dica, inhibited muriatic acid, is designed for rapid offline descaling of boilers and certain types of equipment.

Penetrex

 **CT ON OFF NA BD C**

Penetrex, dispersant, is a liquid, surface active agent that penetrates and disperses algae and slime masses, making them easier to kill and remove. It also emulsifies oil which enters the system so it may be removed by bleed.

Safe D Scale

 **B CT OFF A**

Safe D Scale is a liquid product that is superior descaler and is galvanized metal safe. It effectively removes carbonate scale from boilers, heat exchangers, evaporators, cooling jackets, refrigeration, and air conditioning equipment.

Super Dica

 **B CT OFF A**

Super Dica is a galvanized safe acid descaler and cleaner that derusts and removes proteinaceous deposits from boilers, heat exchangers, evaporators, cooling jackets, refrigerating, and air conditioning equipment. This powdered product is safer to use and less corrosive than liquid mineral acids.

Zeo-Kleen



Zeo-Kleen resin cleaner is a specially formulated product for the quick and complete removal of insoluble iron deposits and other contaminants from inorganic zeolites and cationic resin-type ion exchange beds. Iron fouling will greatly decrease the efficiency of resins to soften water. When Zeo-Kleen resin cleaner is used periodically or with each regeneration, it helps to assure that zeolite and cationic resins are softening water efficiently. Zeo-Kleen is not to be used in unlined, hot dipped galvanized vessels.

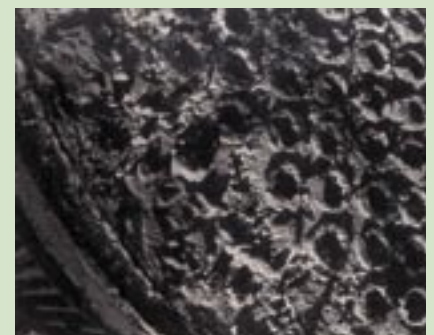
Controlling corrosion, deposition, and biofouling



Control algal and bacterial biofilm. Minimize the risk of disease, and do it with environmental care!



Minimize corrosion through proven, low impact chemistry and mechanical solids control!



Make scale and solids deposition a thing of the past through combined dispersant control technologies!

**Boiler (B) Cooling Tower (CT) On Line Descale (ON) Off Line Descale (OFF) Acid (A)
Non Acid (NA) Chlorine (powder) (CHL) Biodispersant (BD) Chill & Hot Water Loops (CH)**

Cooling Towers (Level 1)

Basic system

- Contact head water meter
- Bleed Solenoid kit
- Pump(s) & PT 35

Upgrade System

- UniVision Controller
- Contact head water meter
- Bleed Solenoid Kit
- Pump(s) (Pulsatron or LMI)

Monitoring Program

24 hour monitoring

- Conductivity
- Water meter - (makeup gpd)

Long term monitoring

- Corrosion coupons
- Microprobe testing
- Iron testing

System benefits

- Continuous readouts
- Reduced operational costs
- Optimized chemical usage
- Quality assurance
- Troubleshooting tool
- Corrosion studies

Boilers

Basic System

- Pt 34 & pump (Pulsatron or LMI)
- Water meter

Upgrade System

- UniVision Controller
- Water meter
- Motorized valve assembly
- Pump(s) (Pulsatron or LMI)

Optional

- UniVision Controller with Ethernet or Modem Controller
- Conductivity
- Water Meter
- Condensate controller (GLI C53 & Conductivity Sensor)
- Conductivity control of condensate water

Cooling Towers (Level 2)

- LiquiVision Controller
 - Water meter
 - Bleed kit
 - Pump(s) (Pulsatron or LMI)
- or
- LiquiVision Controller with Ethernet or Modem Controller
 - pH
 - Conductivity
 - Water meter
 - Temperature (4-20 MA inputs)

Monitoring Program

24 hour monitoring

- Conductivity
- Water meter - (makeup gpd)
- Approach temperatures
- Corrosion rate (as available)
- pH

Long term monitoring

- Corrosion coupons/corrator
- Microprobe testing
- Iron testing

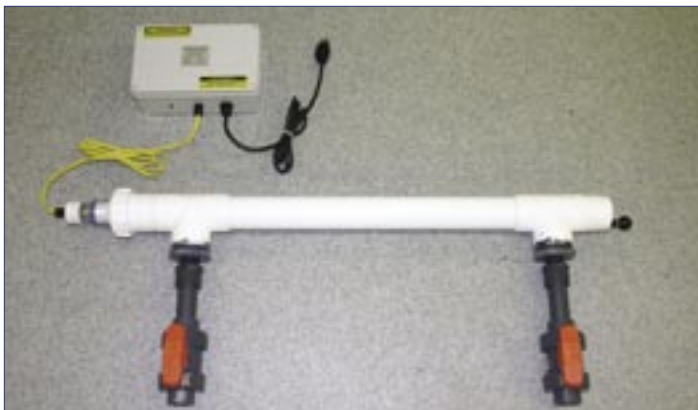
System benefits

- Continuous monitored readouts
- Immediate alarm response
- Reduced operational costs
- Optimized chemical usage
- Quality assurance
- Troubleshooting tool
- Historical data
- Corrosion studies

Pulsafeeder LiquiVision



Modu-Light™ UV Technology- Minimize environmental impact





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