

NU-CALGON PRODUCT CATALOG

Our Name on the Outside Means Quality on the Inside



Coil Cleaners ♦ Sprayers ♦ Indoor Air Quality
Refrigeration Oil ♦ Vacuum Pump Oil ♦ Total System
Protection ♦ Scale Remover ♦ Descaling ♦ Water
Treatment ♦ Closed System ♦ Glycol Water Treatment
Insulation Products ♦ Gas Leak Detectors ♦ Specialty
Products ♦ Aerosols ♦ Plumbing Products ♦ Water
Test Kits ♦ Water Filtration Maintenance ♦ Nu-Plus
E Series by Everpure ♦ Coil Cleaners ♦ Sprayers
Indoor Air Quality ♦ Vacuum Pump Oil
Total System Protection ♦ Scale Remover
Descaling ♦ Water Treatment ♦ Closed System



Nu-Calgon

Quality Products for the HVACR Industry

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No. 90 Bromicide Tablets		Pan-Spray®			
		Pump Protector			
		Zinc Rich Galvanizing			
		Nu-Foam®			

Industry's #1 Selling Coil Cleaner!



Nu-Brite®

Nu-Brite is the most effective coil cleaner available today. It foams, brightens, and is an equally effective yet safer alternative to HF acid-based products. It produces a high volume of foam that cleans more effectively than acids, particularly in removing grease. Biodegradable. USDA approved.

18 ounce can	4291-18
1 gallon bottle	4291-08
2.5 gallon pail	4291-05
55 gallon drum	4291-01



Foam-Brite®

The ultimate in foaming alkaline cleaners. It provides for excellent cleaning and brightening, and at the same time provides tremendous foaming to push dirt and grime out of the coil. Can easily be used in place of the more dangerous HF acid-based products. Biodegradable.

1 gallon bottle	4178-08
2.5 gallon pail	4178-05
55 gallon drum	4178-01



Alka-Brite® Plus

A non-acid, alkaline based product for brightening and cleaning air cooled condensers. It contains the best available detergents to quickly penetrate and remove oxidation, and its foaming action helps to lift greasy soils out of the coil. Biodegradable.

1 gallon bottle	4120-08
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Cal-Brite®

Cal-Brite is a low pH cleaner developed for cleaning evaporator coils, air-cooled condensers and other finned cooling and heating coils. It is based upon glycolic acid and other ingredients, including the unique surfactant, Merspol®. It provides moderate foaming and brightening and is safe for use indoors as well as outdoors.

1 gallon bottle	4133-08
55 gallon drum	4133-01



CalClean®

An alkaline detergent formulated for cleaning evaporator coils, air-cooled condenser coils, metal filters, fan blades, and other surfaces soiled with grease, dust and dirt. Biodegradable. USDA approved.

20 ounce can - NSF Certified	4081-75
1 gallon bottle	4135-08
2.5 gallon pail	4135-06
55 gallon drum	4135-01



Special HD CalClean®

The best cleaner available. Specifically formulated to remove tobacco tars from electronic air cleaners as well as the most stubborn deposits from finned coils. USDA approved.

1 gallon bottle	4143-08
2.5 gallon pail	4143-06
55 gallon drum	4143-01



Evap Pow'r®

A no rinse product formulated for cleaning evaporator coils. It is metal-safe, and it cleans and emulsifies even the most stubborn soils and deposits. Biodegradable. USDA approved.

1 gallon bottle	4168-08
2.5 gallon pail	4168-05



Evap-Fresh® Evaporator Coil Cleaner & Disinfectant

Evap-Fresh is a ready-to-use, no rinse cleaner and disinfectant for evaporator coils. It effectively cleans as well as kills mold and bacteria. This one-step no rinse disinfectant cleaner is perfect for air conditioners, commercial air handling units, HVAC cooling coils, refrigeration equipment, and evaporator coils. EPA registered specifically for use on HVAC equipment.

18 ounce can	4166-75
1 gallon bottle	4166-08



Tri-Pow'r® HD

An outstanding general purpose coil cleaner, providing detergency and degreasing as well as deodorizing capability. Its positive emulsion technology is very effective against oily grime as it converts the deposits into a more fluid or liquid form that can be easily rinsed away. It is non-acid, non-toxic, and biodegradable.

1 gallon bottle	4371-88
55 gallon drum	4371-81



Green Clean

A pleasantly scented, all-purpose cleaner designed for the rapid removal of grease and other heavy soils. It can be used right out of the bottle or diluted for milder jobs. Biodegradable.

1 quart spray bottle	4186-24
1 gallon bottle	4186-08



Evap Foam No Rinse®

Evap Foam No Rinse is a high performing, heavy duty detergent. It is formulated with special surfactants and alkaline cleaners that have been developed into a foaming, no-rinse product. Evap Foam is ideal for use on most coils, but it is particularly suited for use on cooling or evaporator coils. The aerosol can be sprayed either right side up or upside down. NSF certified.

18 ounce can	4171-75
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Nu-Blast® Condenser Coil Cleaner

A no-rinse condenser coil cleaner in a convenient aerosol package. Double action of high pressure blast and solvent cleaning restores design efficiency of condenser coils. It is non-flammable and non-conductive. No rinse required - cleaning solvent evaporates completely. Use with adequate ventilation.

18 ounce can	4290-75
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Cal-Shield®

Cal-Shield is a synergistic liquid formulation based upon DuPont's Teflon® fluoro-additives. It's designed for application on air-cooled condensers, evaporator coils, and other finned heating and cooling coils. Cal-Shield will shield and protect the coil from adverse conditions.

1 quart spray bottle	4148-32
1 gallon bottle	4148-08
55 gallon drum	4148-01

Green Select™



Cal-Green™

Cal-Green has been recognized by the EPA's Design for the Environment program, which tests and identifies products that are safer for the environment. Cal-Green is a plant-based, natural condenser cleaner that is powerful enough to remove dirt, grease, and grime but environmentally safe for use around people, plants, animals, and aquatic life. This non-foaming, non-toxic concentrate is perfect for cleaning residential or commercial systems and restores their efficiency while being environmentally responsible.

Evap-Green™

Evap-Green is also part of the EPA's Design for the Environment program which tests and identifies products that are safer for the environment. This no rinse product is perfect for numerous heating and air conditioning applications such as evaporator coils, roof top units, window units, metal filters, fan blades, and more. By using Evap-Green, a natural plant based formulation, the coil is being cleaned with the most environmentally friendly product available. It is also safe to be used around people, plants, animals, and aquatic life.

Cal-Green	1 gallon bottle	4190-08
Evap-Green	1 gallon bottle	4191-08

Nu-Calgon's Coil Cleaner Selection Guide

	NU-BRITE	FOAM-BRITE	ALKA-BRITE PLUS	CAL-BRITE	CALCLEAN SPECIAL HD	AEROSOL CALCLEAN	CALCLEAN	NU-BLAST	ECO-FRIENDLY CAL-GREEN									
EQUIPMENT USED ON																		
Condenser Coils	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Evaporator Coils	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Permanent Filters		✓	✓	✓	✓	✓	✓	✓	✓									
Electronic Air Filters					✓	✓												
Small Condenser Coils	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Small Evaporator Coils	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Fan Blades, Motors, Etc.		✓	✓	✓	✓	✓	✓	✓	✓									
FORMULATED TO REMOVE																		
Greasy Dirt & Oil	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Cooking Grease	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Dirt & Grime	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Tobacco Tars					✓	✓												
Lint, Dust	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Oxide (Corrosion) Deposits	✓	✓	✓	✓	✓													
Cottonwood/ Bugs	✓	✓		✓	✓	✓	✓											
FEATURES & BENEFITS																		
Product Type	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Acidic	Alkaline	Alkaline	Alkaline	Alkaline	Bacteriostat	Alkaline	Protectant	Solvent	Alkaline	Alkaline
Foaming		✓	✓	✓	✓	✓	✓	✓			✓							
Brightening		✓		✓	✓	✓	✓	✓										
Degreasing		✓		✓	✓	✓	✓	✓	✓	✓	✓		✓			✓		
Disinfectant					✓		✓											
Non-Rinsing	✓		✓		✓	✓	✓	* ✓	* ✓				✓	* ✓	✓	✓	✓	
Coil Protection															✓			
Biodegradable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
USDA Authorized	✓	✓								✓		✓	✓					✓
EPA Registered					✓	✓							✓					
	EVAP POW'R	EVAP FOAM NO RINSE	AEROSOL EVAP-FRESH	EVAP-FRESH	TRI-POW'R HD	GREEN CLEAN	BIO-FRESH CD	CAL-SHIELD	ECO-FRIENDLY EVAP-GREEN									

* Dilution ratios for no rinse applications: Tri-Pow'r HD= 10:1, CalClean Special HD= 40:1, CalClean= 10:1



Coil Gun®

A different approach to coil cleaning - a "hose-end" sprayer that features 5 different mix ratio settings designed for coil cleaners. Utilizes a 2 quart capacity bottle and includes a foam wand as well as "quick disconnect" capability.

1 each	4774-0
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No. 50P Poly Sprayer

The No. 50P is constructed of high-density translucent polyethylene. It has a half gallon (3 pint) capacity. The nozzle is adjustable and the flow rate is controlled by a thumb lever. It comes with a 7" polyethylene pump.

1 each	4770-0
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No. 220CP Poly Sprayer

The No. 220CP Poly Sprayer is constructed of high-density translucent polyethylene with a funnel-top that provides easy chemical pouring. This 2 gallon capacity sprayer features an easy fill level indicator and comes with an 8" pump and a high resin plastic adjustable nozzle with three feet of hose.

1 each	4771-3
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No. 100P Cal-Shield® Poly Sprayer

This sprayer is constructed of high-density translucent polyethylene. It has a funnel top for easy chemical pouring and a 1 gallon working capacity. It comes with a 8" polypropylene pump, brass handle and extension tube with adjustable nozzle, a wear-resistant hose, and a pressure relief valve. It is highly recommended that this sprayer be dedicated to Cal-Shield applications.

1 each	4770-2
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No. 200P Poly Sprayer, Water Pressurizing

The No. 200P Poly Sprayer is constructed of high-density translucent polyethylene. It has a 2 gallon working capacity, funnel top, pump handle, and equipped with all-brass hardware. No pumping is required. Pressurize the sprayer with water through a "quick disconnect" fitting.

1 each	4771-2
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No. 300P Poly Sprayer

The No. 300P Poly Sprayer is constructed of high-density translucent polyethylene. It has a funnel-top and a 3.5 gallon capacity (3 gallon working capacity). It comes with a 10" Celcon pump, brass extension tube with adjustable nozzle, and five feet of vinyl hose.

1 each	4772-0
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Multi-Purpose Sprayer

A 24 ounce capacity sprayer. It is ideal for small cleaning jobs, such as window units and water coolers.

1 each	4768-W3
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Evap-Fresh® Evaporator Coil Cleaner & Disinfectant

Evap-Fresh is a ready-to-use, no rinse cleaner and disinfectant for evaporator coils. It effectively cleans as well as kills mold and bacteria. This one-step no rinse disinfectant cleaner is perfect for air conditioners, commercial air handling units, HVAC cooling coils, refrigeration equipment, and evaporator coils. EPA registered specifically for use on HVAC equipment to kill H1N1 viruses such as Norwalk, Rhot, and more.

18 ounce can	4166-75
1 gallon bottle	4166-08



Bio-Fresh® cd

A ready-to-use bacteriostatic, fungistatic, and deodorizer based upon chlorine dioxide technology. Inhibits the growth of bacteria, mold, mildew, fungi, and yeasts in IAQ applications, and is safe for fogging and may be applied to occupied space. It's EPA registration includes application to HVACR ventilating equipment, including coils, condensate pans, filters, and duct-work. Applies easily by spraying, brushing, sponging, wiping, or fogging. EPA registered.

1 quart spray bottle	4126-34
1 gallon bottle	4126-38



Bio-Fresh® Fogger

The Bio-Fresh Fogger is made of a one-piece, seamless heavy-duty copolymer. It uses a 48" flexible hose and is adjustable from 0-18 ounces per minute with the respective particle size at 20 to 80 microns. It's ideal for fogging Bio-Fresh cd in duct work and large areas.

1 each	4693-0
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PanPads

A product formulated to eliminate the build-up of bacteria and slime growths in air conditioning and refrigeration condensate drain pans. In laboratory tests, it has been proven effective against a wide spectrum of harmful bacteria, including Legionella. All sizes will provide adequate treatment for up to 6 months and the product is EPA-registered for this application.

5 (up to 5 tons)	4295-34	15 (up to 15 tons)	4296-24
5 Slim (up to 5 tons)	4295-36	45 (up to 45 tons)	4296-45



Pan-Treat®

Pan-Treat condensate tablets control odors and prevent overflows caused by plugged condensate drain lines. They can also be used in humidifiers. They are very easy to use, as well as safe, non-corrosive, non-toxic, and biodegradable.

1 bottle (200 tablets)	4296-60
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Gel Tabs - Condensate Drain Pan Treatment

Formulated with a breakthrough technology for treating air conditioning drain pans and lines. Keeps the drain pan from clogging and eliminates foul and musty odors. When activated by condensation, the tablet will turn to gel and lock into place. Dissolves continuously and completely with nothing left to remove for up to 3 months. Stack together to increase duration.

3 ton tab (12 in tube)	4185-03	15 ton tab each	4185-15
5 ton tab (6 in tube)	4185-05	20 ton tab each	4185-20



C-3s, C-4s, C-5s Refrigeration Oil

These are mineral naphthenic lubricants manufactured by Calumet Lubricant Company and available in three viscosities.

They are specifically designed for today's high performance air conditioning and refrigeration compressors using CFC and HCFC refrigerants. These compressors run at higher speeds and generate higher temperatures, and as a result, they require better lubrication. Use of these oils will insure continued efficient operation, providing the important properties required from an efficient refrigeration oil:

- Good lubrication
- Good stability
- Good low temperature performance

OEM Approvals: Copeland, Dunham Bush, Tecumseh, Carlyle (Carrier), Bristol, and many others.

Nu-Calgon	Viscosity	1 Gallon	5 Gallon	55 Gallon
C-3s	150 SUS	4303-07	4303-05	4303-01
C-4s	300 SUS	4304-07	4304-05	4304-01
C-5s	500 SUS	4305-07		4305-01

Polyol Ester (POE) Lubricant



Emkarate® RL Lubricant

The Emkarate family includes a range of polyol ester refrigeration lubricants designed specifically for use with HFC refrigerants. They meet the performance demands of the refrigeration industry by means of base fluids that have been formulated for optimum performance and minimal additive levels.

Available in a range of viscosities to suit most air conditioning and refrigeration applications. They have excellent thermal and chemical stability, and are compatible with a wide range of elastomers, polymeric materials, and other materials of construction. Fully miscible and compatible with mineral oils and alkylbenzene lubricants as well as with CFCs, HCFCs and HFCs. As a result, they are excellent choices for retrofitting existing equipment.

OEM Approvals: Copeland, Carlyle (Carrier), Bitzer, Tecumseh, McQuay, and many others.

Emkarate RL	Viscosity	1 Quart	1 Gallon	5 Gallon	55 Gallon
22H	100 SUS		4313-46		
32H	150 SUS	4314-44	4314-46	4314-45	4314-41
32HB	150 SUS			4314-62	
32-3MAF	150 SUS	4314-64	4314-66	4314-65	4314-67
46H	200 SUS		4315-46		4315-41
68H	300 SUS	4316-44	4316-46	4316-45	4316-41
68HB	300 SUS		4316-86	4316-85	
68HP	300 SUS		4316-76		
100E	500 SUS		4317-66		4317-61
170H	850 SUS		4318-26	4318-25	
220H+	1100 SUS		4318-66	4318-65	
220XL	1100 SUS			4318-75	

Polyvinyl Ether (PVE) Lubricant



Idemitsu Polyvinyl Ether Lubricant

PVE lubricants provide for increased stability and lubrication. They do not hydrolyze in the presence of moisture, a very important feature in HVAC/R applications. Additionally, they are compatible with other refrigeration oils and process fluids. PVE lubricants also exhibit compatibility and performance with frequently used anti-wear additives.

Idemitsu	Viscosity	6x1 quart case	4x1 gallon case
FVC32D	32 SUS	4319-14	4319-16
FVC68D	68 SUS	4319-24	4319-26



Zerol® Alkylbenzene Refrigeration Oil

The original alkylbenzene, Zerol is a high quality, synthetic alkylbenzene refrigeration oil. It is similar in many ways to natural mineral oils but has superior properties that make it especially valuable in refrigeration and air conditioning applications, particularly those using HCFC refrigerants.

Zerol Refrigeration Oil is recommended for use in all refrigeration and air conditioning applications using CFC and HCFC refrigerants. It is highly recommended by refrigerant and compressor manufacturers for use with the HCFC blends such as R-401A and R-409A as it provides many distinct advantages: excellent miscibility, excellent thermal stability, low temperature performance compatibility with mineral oils. It is the oil of choice for R-22 and R-502. It is also an excellent clean-up/flushing oil.

OEM Approvals: Copeland (Zerol 200TD), Danfoss, Tecumseh, Carlyle (Carrier), Bristol and many others.

Zerol	Viscosity	1 Gallon	5 Gallon	55 Gallon
150	150 SUS	4310-07	4310-05	4310-01
200TD	200 SUS	4308-07	4308-05	4308-01
300	300 SUS	4311-07	4311-05	4311-01
400CA	400 SUS		4311-65	
500	500 SUS		4312-05	

Refrigeration Oil Products



Total Lube Refrigeration Oil Test Kit

Have a professional lab analyze the oil to help detect potential problems such as metal wear or burnouts. The analysis will provide information on the oil's moisture, total acid number, viscosity, color, and spectrochemical analysis on 20 plus metals and compounds. Help prevent potential downtime, burnouts, and costly oil changes by incorporating regular testing of the refrigeration oil.

1 each	4996-0
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Oil Refractometer

A precision optical instrument that allows for the rapid and accurate determination of the refractive index of oil solutions. It will specifically assist in determining the percent residual of oil remaining in a refrigeration system when converting it to a new refrigeration oil. Such retrofits require converting the mineral oil to a polyol ester (POE) or polyalkylene glycol (PAG), an alkylbenzene lubricant (Zerol®) to a POE, or a mineral oil to an alkylbenzene.

1 each	4815-0
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CanVerter®

A hand-held pump used to remove or add oil to hermetic compressors. Easy to use; each stroke pumps 1 ounce of oil.

1 each	4814-0
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Vacuum Pump Oil



Cal-Vac™ Vacuum Pump Oil

Nu-Calgon's Vacuum Pump Oil is a quality, high-grade lubricant that performs at the deepest vacuum. It has a very low vapor pressure and it has excellent lubricity for complete surface protection. It contains no additives or detergents.

1 pint bottle	4383-34
1 quart bottle	4383-24
1 gallon bottle	4383-07



Endorsed by
York®, Goodman®,
Nordyne®, Coleman®,
and Daikin®



Rx11-flush®

Rx11-flush is an ozone-safe solvent engineered specifically for flushing refrigeration and air conditioning systems and line sets. It is strong enough to rinse away particulates, sludge, carbon residues, acids, oils, and water after burnouts. Rx11-flush is ideal for flushing line sets on R-410A conversions, works fast, and is easy to use.

Rx11-flush Starter Kit	4300-08 NEW
1 lb. canister	4300-09
2+1 Display Pack	4300-10
2 lb. canister	4300-11
13 lb. canister	4300-15
26 lb. canister	4300-26 NEW



Rx11-flush® Accessories

The Rx11-flush product family also includes various support tools. This includes the new and improved Injection Valve for hooking up to a charging hose for flushing and the Flushing Tool for facilitating line set flushing. In addition, the Rx11-flush Gun with a built-in flushing attachment and the Rx11-flush Hose (24") are available.

Flushing Tool	4300-50
Rx11-flush Gun	4300-51
Rx11-flush Hose (24")	4300-52
Injection Valve	4300-89 NEW

(Injection Valve fits Pneu-flush® and A/C Re-New as well)



Rx-Acid Scavenger®

The most effective way to neutralize or "scavenge" acid in refrigeration, air conditioning systems. It is perfect for use after burnouts or during normal on-going system maintenance. Normal dosage rate is 2 fluid ounces for every one gallon of system oil, which is 50% less than other acid neutralizing products. This "low treat" feature means far less material has to be added to the system. In addition, the Rx-Acid Scavenger can be used with all lubricants: mineral, alkylbenzene and polyol ester.

1 each	4301-02
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Phase III® Refrigeration Oil Acid Test Kit

Formulated for use with POEs as well as mineral oils and alkylbenzene. An inexpensive, disposable test kit that provides proof-positive that acid level in refrigeration oil is safe or unsafe. Phase separation makes it easy to see change in color of acid indicator (even if a leak detection dye has been added to the oil). Just two bottles to work with, it is simple, safe, accurate, and small enough that you can carry several in your tool box.

1 each	4320-W8
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A/C **EasySeal**

Treats 1.5 to 5 ton systems

Treats fractional to 1.5 ton systems

A/C EasySeal

A/C EasySeal circulates with the system's refrigerant, and if a leak should occur, it will quickly seal the leak and prevent the system from losing refrigerant and shutting down. A/C EasySeal represents an excellent opportunity to utilize such technology in preventing and sealing refrigerant leaks in residential and light commercial ACR systems. It is perfect for those hard-to-find and expensive-to-fix leaks and works with all refrigerants (except ammonia). It is easily installed with the reusable piercing valve and hose.

3 ounce pressurized can	4050-06
1.25 ounce pressurized can	4050-01
"2+1" Display Pack	4050-02
A/C Piercing Valve and Hose	4051-99



A/C EasyDry

This product is a quick and simple way to prevent and eliminate moisture in a system. A/C EasyDry contains a dehydrating agent that converts system moisture into a natural organic material that is compatible with and mixes with the lubricant. It is great for preventing acid formation which is caused by moisture in a system and works with all refrigerants (except ammonia). Each can will treat up to a 5 ton system and is easily installed with the reusable piercing valve and hose.

3 ounce pressurized can	4051-06
A/C Piercing Valve and Hose	4051-99

A/C **Re~New**

A/C Re-New

A/C Re-New, formerly called Zerol® Ice, is a highly recognized brand of lubricating oil that has established an outstanding track record enhancing the performance of air conditioning and refrigeration systems.

- Quiets noisy compressors
- Reduces energy consumption - lowers starting and running amps
- Improves heat transfer in the evaporator and condenser
- Great for new and old systems

Visit www.acrenew.com for more information.



6 ounce pressurized can	4057-50
"2+1" Display Pack	4057-52
1 quart can	4057-54 NEW
4 fluid ounce can	4057-55
A/C Re-New Injector Tool - for 4 ounce can	4057-99 NEW
Injection Valve	4300-89 NEW

(Injection Valve fits Pneu-flush® and Rx11-flush® as well)



Liquid Scale Dissolver

A hydrochloric (muriatic) acid formulated to remove calcium scales from cooling towers and other water-cooled equipment. It contains low-foaming corrosion inhibitors and a built-in pH color indicator to let you know when the acid has been neutralized. pH test paper is also included. USDA approved.

1 gallon bottle	4330-08
5 gallon pail	4330-05
2.5 gallon pail	4330-03 NEW



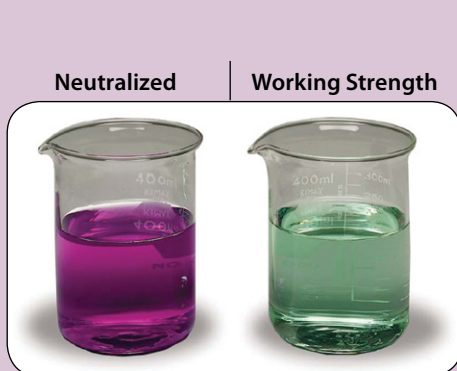
Season Start® “Imperial Grade” Scale Remover

A powdered sulfamic acid formulation that contains the best inhibitors available for protecting all metals including galvanized metal. It is the best and the safest dry acid cleaner available. It contains a built-in pH color indicator to let you know when the acid solution has been neutralized as well as wetting and anti-foaming agents. USDA approved.

10 lb. container	4360-88
50 lb. pail	4360-84

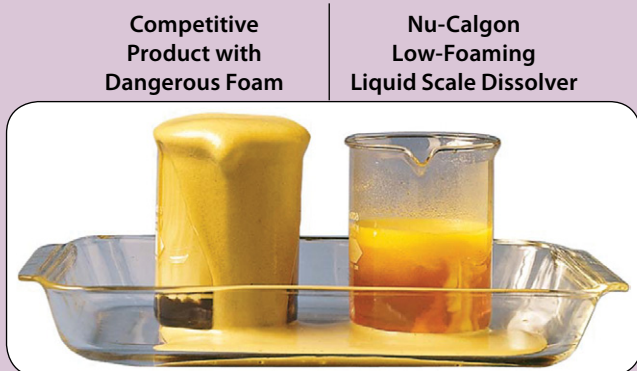
Liquid Scale Dissolver and Season Treat Initial Dosage Recommendation		
Tons of Horsepower	Liquid Scale Dissolver	Season Start
10	2 gallons	10 lbs.
30	5 gallons	30 lbs.
50	10 gallons	50 lbs.
90	15 gallons	75 lbs.

Liquid Scale Dissolver and Season Start have a pH color indicator and are low-foaming



pH Color Indicator

Nu-Calgon’s exclusive “built-in” pH color indicator tells you when to add more acid, and it lets you see when the system is clean. At working strength, the acid cleaning solution is green or light blue. When the acid solution is neutralized and is no longer working, the solution turns purple and more acid must then be added. The system is clean when the green color is retained for 20-45 minutes.



Low-Foaming Performance

To demonstrate its greater low-foam property, Liquid Scale Dissolver was added to a beaker containing lime scale. A leading competitive liquid product was added to another beaker containing an equal amount of lime scale. See the difference! When cleaning towers and evaporator condensers, low-foam is the preferred approach as high foam is dangerous to both personnel and surroundings.



Season Treat (Micromet® Plates)

This patented Micromet® Plate product is contained in a unique flow-through package. The package design makes it simple to treat small cooling towers and evaporative condensers. Simply unwrap the package and place it in the sump. One canister treats up to 10 tons for scale (5 tons for corrosion) for 5 to 6 months.

1 canister (Season Treat)	4364-88
50 lb. pail (Micromet Plates)	4275-84



Ty-Ion® C70

An all-organic liquid scale, deposit, and corrosion inhibitor for use in open recirculating cooling water systems, evaporative condensers, and air washer systems. This treatment program is particularly effective in preventing scale deposits in systems which utilize make-up water with high scaling potentials.

5 gallon pail	7597-05
15 gallon pail	7597-P3



No. 340 Liquid Scale Inhibitor

An extremely concentrated scale inhibitor that is effective in hard, highly alkaline water. It is very stable and does not form any sludge. It is most effective at treatment levels between 10 and 15 parts per million. A constant, accurate feed is accomplished with a Drip Feeder or CMS Feed Pump. USDA approved.

1 gallon bottle	4340-08
5 gallon pail	4340-05
55 gallon drum	4340-01

To Inhibit Scale Formation				
Tons of Refrigeration or Horsepower	Containers of Season Treat	Tylon C70 Required per Month	No. 340 Liquid Scale Inhibitor Required per Month	Bleed-off for Most Scale-forming Waters
10	1	1/4 gallon	1/4 gallon	1/8 gpm
30	3	2/3 gallon	1/2 gallon	1/3 gpm
50	5	1 gallon	3/4 gallon	1/2 gpm
100	---	2 gallons	1 1/2 gallons	1 gpm
120	---	2 1/2 gallons	2 gallons	1 1/4 gpm
150	---	3 gallons	2 1/2 gallons	1 1/2 gpm

Corrosion Prevention



Cal-Treat® No. 233

A liquid formulation that is used for controlling severe corrosion in evaporative condensers and cooling tower systems. It is based upon a synergistic formulation of zinc, molybdate, and organic phosphonate. Provides superior corrosion control and inhibits scale accumulation.

5 gallon pail	4149-05
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To Control Corrosion		
Cal-Treat No. 233 Required per Month	Bleed-off for Most Corrosive Waters	Capacity of System in Tons of Horsepower
1/3 gallon	1/10 gpm	10
1 gallon	1/4 gpm	30
2 gallons	3/8 gpm	50
3 gallons	1/2 gpm	90



No. 85 Algaecide

No. 85 Algaecide is a polymeric, cationic biocide that has been developed for controlling biological growth in equipment. It is an EPA-registered product to kill algae, bacteria, and fungi in recirculating water systems, industrial air washing systems, and closed systems.

1 gallon bottle	4108-08
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No. 90 Bromicide Tablets

A chlorine-bromine donating organic compound in tablet form. It slowly releases powerful oxidizing hypohalous acids which prevent algae and slime bacteria fouling in open recirculating cooling water systems and evaporative coolers. It also has the capability of breaking up and removing existing biological mass from system surfaces. USDA Approved and EPA-registered.

50 lb. pail	4109-M9
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To Kill Algae or Slime Growth		
Tons of Refrigeration or Horsepower	Gallons of No. 85 Algaecide per Month	Number of No. 90 Bromicide Tablets for an Average System
10	1/6 gallon	5
30	1/3 gallon	15
50	1/2 gallon	25
90	2/3 gallon	45

Other Water Treatment Products



Humidi-Treat

Humidi-Treat is designed for humidifiers using up to 25 gallons per day and will inhibit scale for one season. Install Humidi-Treat on the water line that supplies water directly to the humidifier.

1 each	4190-02
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pH-Treat

pH-Treat is an in-line treatment product specific for the treatment of the acidic nature of the condensate water produced by today's high efficiency furnaces. Includes fitting kit for easy installation.

1 each	4720-06 NEW
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Evap-Treat®

Used in evaporative coolers or "swamp coolers" to prevent scale and corrosion. Place it in the cooler sump and it will last all season long, thereby increasing pad life. Utilizes 6R Micromet®, a food-grade NSF-certified polyphosphate.

1 each (coolers up to 6,500 cfm)	4173-04
1 each (coolers up to 10,000 cfm)	4173-06



Water Sample Bottles

The proper way to treat a cooling tower, closed loop system, or ice machine is to have the supply or makeup water tested. Nu-Calgon provides this valuable service for free and will return a full analysis of how to effectively treat the water in the system. These bottles can also be used to send in glycol samples to test its freeze point.

1 each (3 bottles)	4995-0
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No. 31-TX1 Acid Pump

Compact submersible pump designed for circulating strong acids and cleaning solutions. All parts are constructed of acid-resistant materials.

1 each	4603-0
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HK-31 Hose Kit

An accessory item available for use with the No. 31-TX Acid Pump. Kit includes two 1/2 inch tubing adapters, two 10 foot sections of 1/2 inch clear plastic tubing and three hose clamps.

1 each	4604-0
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No. 215 and No. 1075 Drip Feeders

Used for feeding No. 340 Liquid Scale Inhibitor, Cal-Treat 233, Ty-Ion C70 and No. 85 Algaecide. Calibrated at the factory to ensure accurate feeding. Provides the benefits of continuous treatment for small systems without the high cost usually associated with automatic feeding equipment.

No. 215 Drip Feeder	4669-W3
No. 1075 Drip Feeder	4670-W3



No. 20L and No. 100L Feeders

Steel tanks suitable for pressures up to 150 psi and temperatures up to 212°F. Uses 3/4 inch FNPT connections for installing on bypass to any size line. Use No. 20L Feeder for initial charges up to 20 pounds (or 2 gallons). Use No. 100L Feeder for initial charges up to 100 pounds (or 10 gallons). Inlet/outlet strainers not included.

No. 20L Feeder	4628-0
No. 100L Feeder	4650-0



Conductivity Meter

A hand held conductivity meter with built-in cell and automatic temperature compensation. It has an easy to read digital meter (in micromhos, 0-10,000) and dual point calibrations.

1 each	4812-0
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CMS-IV Cooling Tower Monitor System

For monitoring conditions in cooling towers and evaporative condensers. Provides subsequent bleed-off and chemical feed. It features a combination monitor and pump engineered into one-piece digital equipment. Complete system includes a solenoid valve.

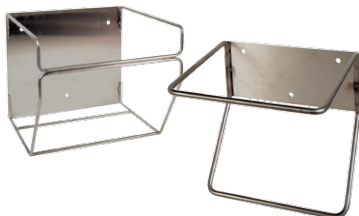
1 each	4608-4
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CMS III

CMS III is a conductivity based bleed-off and feed controller for a cooling tower. The system includes an analog monitor, feed pump and a solenoid valve.

1 each	4608-0
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Jug Holders

These should be used when drip feeding any of Nu-Calgon's liquid water treatment products. Once secured to the cooling tower or evaporative condenser, they will hold the 1 or 5 gallon containers in the proper position.

1 gallon holder	4606-0
5 gallon holder	4607-0



Freez-Kontr'I®

A complete heat transfer fluid and anti-freeze based upon non-toxic propylene glycol. It is formulated to provide corrosion protection and freeze protection for chilled water, hydronic, and other closed systems. Available in 70% and 95% propylene glycol concentrations. Safe to use where contact with potable water is possible. GRAS certified.

1 gallon bottle	4188-07	55 gallon drum - plastic	4188-02 NEW
5 gallon pail	4188-05	95/5 - 5 gallon pail	4188-06 NEW
55 gallon drum - steel	4188-01	95/5 - 55 gallon drum - steel	4188-03 NEW



Burst-Kontr'I® AP-100

An extremely versatile propylene glycol heat transfer solution specifically formulated for aluminum heat exchangers. It has corrosion inhibitors to protect copper, solder, brass, and steel as well. Premixed and ready-to-use where freeze protection to -10°F or burst protection to -60°F. It can also be further diluted for lower freeze/burst protection points.

5 gallon pail	4187-15 NEW
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Freez-Therm®

An inhibited heat transfer fluid and anti-freeze based upon ethylene glycol. It can be used in chilled water, hydronic, and other closed systems for both freeze point suppression and corrosion inhibition. An uninhibited version is also available in drums on special order.

1 gallon bottle	4189-07
5 gallon pail	4189-05
55 gallon drum	4189-01
55 gallon drum (uninhibited)	4189-02



Glycol Refractometer

An instrument to determine the freeze protection level of ethylene or propylene glycol solutions.

1 each	4816-0
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Closed Systems & Steam Boilers



Winter Treat®

Multi-treatment product for hot water and steam heating boilers and other closed water systems. It emulsifies and cleans away rust, corrosion deposits sludge, as well as inhibits system corrosion, foaming, surging, and lime scale. Typical use is one quart per 25 gallons of water.

1 quart bottle	4390-32
1 gallon bottle	4390-08



Ty-Ion® B20

A liquid nitrite-borax corrosion inhibitor and dispersant for closed recirculating systems. It combines corrosion inhibitors, a unique copolymer dispersant, and a color indicator to facilitate leak detection, into a complete treatment for hot and chilled water closed systems containing ferrous and non-ferrous metal components.

5 gallon pail	7537-05
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Ty-Ion® B14A

An all-in-one boiler treatment product that controls scale, corrosion, and condensate line corrosion in low pressure, low make-up steam heating boilers where 90% or more of the condensate is returned. It is chromate-free and contains a color indicator for visual determination of treatment residual. Its balanced formulation provides an energy efficient way of heating.

5 gallon pail	7519-05
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System Cleaner

A liquid, heavy-duty industrial alkaline cleaner specifically formulated to emulsify and clean equipment surfaces and pipe fouled by cutting oils, grease, lubricants, corrosion products, and other debris.

5 gallon pail	4370-08
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Perma-Wrap™ Foam Insulation Tape

Perma-Wrap Foam Insulation Tape is formulated from the highest quality elastomeric thermal insulation material. It is manufactured to meet the needs of today's air conditioning and refrigeration applications. Its closed cell construction seals out air and moisture, slowing down heat transfer and providing complete insulation. It can be used on hot or cold water pipes, chilled water, and refrigerant lines to prevent sweating and condensation. Keeps cold lines cold and hot lines hot. Can be overlapped or edges can be butted together.

2" x 1/8" x 30' roll	4218-W3
2" x 1/8" x 30' roll - Dispenser Package	4218-12



Foam-Tite™ Insulation Tape

This economically priced tape is formulated from quality thermal insulation material. It utilizes closed-cell construction and can be used on cold water pipes, chilled water lines and refrigerant lines to prevent sweating and condensation. It can also be used on hot water lines, for better insulation against heat loss. Can be overlapped or edges can be butted together.

2" x 1/8" x 30' roll	4219-12
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Cork Insulation Tape

This tape has been formulated and manufactured for the air conditioning and refrigeration industry. It meets and exceeds specifications as an insulating material for preventing sweating and condensation on refrigerant lines, cold pipes, and other commercial refrigeration and a/c systems. It also serves as an excellent insulator on hot pipes, a gasketing material, a sound-deadening material, and may be used for wrapping valves, tees, and fittings.

2" x 1/8" x 30' roll	4217-W3
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Cork-Tite™ Insulation Tape

Designed for all types of climates insulating cold pipes for all kinds of air conditioners in cars, homes, freezers, and refrigerators. Helps stop condensation problems and is ideal for retarding heat gain in cold pipes and preventing heat loss in hot pipes. An effective sound dampening material, it can also be used for gasketing purposes. It sticks to all kinds of dry metals and seals tightly without drying. It is flexible and does not shrink or melt within the service temperature of -20°F (-29°C) to +200°F (+93°C).

2" x 1/8" x 30' roll	4217-12
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Insulation Sealing Cords

Insulation Sealing Cords are nonstaining sealers formulated from the highest quality raw materials. They are water-resistant, dust-resistant and white in color. In addition, they securely adhere to most surfaces and provide excellent insulation value. They are available in 3/8" pre-shaped extruded cords, with serrated release paper.

3/8" x 25' roll	4216-27
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Thumb-Tite®

This compound is formulated and manufactured for use in many sealing, insulating, and general maintenance applications. It has excellent adhesion capability and is non-staining, non-hardening, and unaffected by wide variations in temperature - an excellent thumbing grade. It is packaged in 2 pound boxes, each box contains two one pound bars.

2 lb. box	4216-92
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Nu-Foam®

Nu-Foam is an expanding polyurethane prepolymer foam. It is used as a sealant and insulating product on openings created for refrigeration, air conditioning and heating tubes or pipes, duct joints, and other areas where unwanted air penetration might occur. Contains no CFCs nor any HCFCs.

9 ounce can	4293-04
20 ounce can	4293-75



Cal-Blue® Plus Gas Leak Detector

Cal-Blue Plus is a complete gas leak detector, freeze protected to 5°F. Its high viscosity formula enables it to remain in contact with the applied surface for an extended period of time, allowing it to detect the smallest of leaks. It is also non-corrosive to metal, and it will not affect ultraviolet or black lights.

6 ounce bottle with dauber	4182-53
1 quart spray bottle	4182-24
1 gallon bottle	4182-08



Cal-Blue® LT Gas Leak Detector

The same high quality formulation as regular Cal-Blue Plus, but has added freeze-protection to -20°F. It is the ideal detector for geographical areas that may experience very cold temperatures.

1 quart spray bottle	4183-24
1 gallon bottle	4183-08



Gas Leak Detector

A high viscosity liquid that forms bubbles when daubed on a gas leak. Non-corrosive, non-staining, harmless to skin. Detects any type of gas leak such as air, compressed air, carbon dioxide, nitrogen, natural gas, and refrigerant gases. Freeze-protection to -20°F. Six ounce plastic bottles have dauber in cap. USDA approved.

6 ounce bottle with dauber	4180-53
1 gallon bottle	4180-08



Fluorescent Gas Leak Detector

A fluorescent formulation that provides improved visibility and long lasting bubbles. It is non-corrosive to metals and is freeze protected to 5°F. Suitable for high and low temperature applications. Can be used for most refrigerants, natural gas and oxygen systems. USDA approved.

8 ounce bottle with dauber	4184-53
1 quart spray bottle	4184-24
1 gallon bottle	4184-08



Scrubs-In-A-Bucket® HVAC80

The original Scrubs. Disposable, pumice-performance waterless hand cleaner towels that effectively and quickly clean hands on a wide variety of industrial soils and greases. Each self-dispensing portable canister contains 80 perforated disposable heavy-duty towels and are pre-moistened with the famous Scrubs cleaning formulation. Effective yet gentle to the skin. Use anywhere, anyplace, anytime.

30 count canister	4366-24
80 count canister HVAC80	4366-87



Degreasing Solvent ef

A degreasing solvent that is ozone-safe and environmentally friendly. It is a volatile solvent that provides effective degreasing and cleaning as well as controlled drying with absolutely no residue. It has a dielectric strength in excess of 26,000 volts.

1 gallon	4162-07
1 gallon - LV*	4162-17

* LV = Low VOC for California



Seal-Loc™

A high performance thread sealant for plastic and metal pipe and fittings. It sets soft and no cure time is required. Never hardens, cracks, or separates, and it is non-hazardous and non-flammable. Does not affect electronic leak detectors. Certified to NSF Standard 61 and is safe for drinking water lines.

1.1 fluid ounce tube	4350-01
4 fluid ounce can	4350-04
16 fluid ounce can	4350-16



Pneu-flush®

A flushing and cleaning system specifically designed for pneumatic control air lines. It utilizes DuPont® Vertrel® XM, a premier ozone-safe HFC cleaning solvent. Pneu-Flush works quickly and easily to clean and purge the compressed air lines in HVAC control and other pneumatic systems.

2 lb. canister	4298-01
Injection Valve	4300-89 NEW

(Injection Valve fits Rx11-flush® and A/C Re-New as well)



Thermo-Trap®

The industry's original heat absorbing paste designed to isolate heat encountered in soldering, welding, and brazing, thereby preventing damage to nearby heat sensitive controls, fittings, or other material. USDA approved. Biodegradable.

11 ounce tube	4371-36
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Thermo-Trap® Gel

Thermo-Trap Gel is a heat sink that has an extremely high capacity for absorbing heat. Applied to the metal working surface between the area to be heated and the material to be protected, Thermo-Trap Gel absorbs the heat, preventing heat transfer. This keeps heat from spreading beyond the work area, protecting components, installed fittings, and other sensitive parts from damage.

1 quart spray bottle	4371-32
4 fluid ounce spray bottle	4371-53



Quick Seal™ Pipe Repair

A permanent knitted fiberglass impregnated tape that is designed for quick, in-the-field repair of leaks for all types of pipes. It can be used on both cold or hot water as well as refrigeration, plumbing, industrial, commercial, and residential applications. It is safe for potable water and is UL listed. ANSI/NSF Standard 61.

2" x 3' wrap	4299-10
4" x 12' wrap	4299-11



Evap Foam No Rinse®

Evap Foam No Rinse is a high performing, heavy duty detergent. It is formulated with special surfactants and alkaline cleaners that have been developed into a foaming, no-rinse product. Evap Foam is ideal for use on most coils, but it is particularly suited for use on cooling or evaporator coils. The aerosol can be sprayed either right side up or upside down. NSF certified.

18 ounce can	4171-75
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Evap-Fresh® Evaporator Coil Cleaner & Disinfectant

Evap-Fresh is a ready-to-use, no rinse cleaner and disinfectant for evaporator coils. It effectively cleans as well as kills mold and bacteria. This one-step no rinse disinfectant cleaner is perfect for air conditioners, commercial air handling units, HVAC cooling coils, refrigeration equipment, and evaporator coils. EPA registered specifically for use on HVAC equipment.

18 ounce can	4166-75
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Nu-Blast® Condenser Coil Cleaner

A no-rinse condenser coil cleaner in a convenient aerosol package. Double action of high pressure blast and solvent cleaning restores design efficiency of condenser coils. It is non-flammable and non-conductive. No rinse required - cleaning solvent evaporates completely. Use with adequate ventilation.

18 ounce can	4290-75
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Nu-Brite®

Nu-Brite is a very effective degreaser and cleaner on condenser coils. Its high foaming characteristic will help push soil deposits out of the coil, leaving it clean and bright. With proper ventilation, it can also be used as a kitchen degreaser by emulsifying stubborn, resistive grease deposits found on coils located in kitchens. Product should be used where adequate rinsing is possible.

18 ounce can	4291-18
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CalClean®

CalClean is a heavy duty detergent formulation of surfactants, grease solvents, alkaline cleaners, corrosion inhibitors, and water conditioners. Ideal for cleaning window units as well as small evaporator coils, air cooled condenser coils, metal filters, fan blades and other surfaces soiled with greasy dust and dirt. NSF certified.

20 ounce can	4081-75
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Adhesives



Spray-n-Bond™

A wide web spray adhesive formulated specifically for insulation and duct liner applications. Ideal for porous surfaces, it is waterproof, flexible, transparent, non-staining, and it can be used for both temporary or permanent bonds. Formulated with the environment in mind, it contains no chlorinated solvents or ozone depleters, and it is voc-compliant in states such as California.

12 ounce can	4369-75
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Spray Adhesive

Spray Adhesive is a fast-drying, all-purpose product that provides a strong, water-resistant, flexible bond. It is translucent and does not penetrate or soak material causing bleed-through. Spray Adhesive is excellent for labeling, bonding, splicing and sealing paper, cardboard, cloth, rubber, styrofoam, canvas, leather, wood, and most plastics.

14 ounce can	4080-04
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Industrial Products



Degreasing Solvent ef

A degreasing solvent, specially formulated for cleaning and degreasing equipment where washing or flushing is not possible. Simply spray on and wipe off. Penetrates quick and deep, loosening and liquefying heavy greases and tar. Non-corrosive and non-staining with a dielectric strength over 26,000 volts.

17 ounce can	4083-75
17 ounce can - LV*	4083-83

* LV = Low VOC for California



Electrical Contact Cleaner

Cleans, lubricates, and protects electrical contacts from corrosion, and is safe on most plastics. Cleaning action quickly removes greases, dust, and oxidation, restores and maintains precision and efficiency to the instrument and component. Includes extension tube for pinpointing application. USDA approved.

11 ounce can	4082-03
11 ounce can - LV*	4082-04

* LV = Low VOC for California



Break-n-Lube™

This advanced technology 4-in-1 product is made with CERFLON® for high performance in a non-drying penetrating lubricant. It's highly versatile with the ability to penetrate, lubricate, displace moisture, and provide superior resistance to corrosion. It's especially formulated to help free rusted parts and assemblies.

12 ounce can	4128-03
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Food-Grade Silicone

Food Grade Silicone sprays a perfect non-stick surface on ice machine surfaces, vending machines, coin slots, slicing machines, dairy machinery, and other food processing and packaging equipment. An excellent lubricant that prevents binding and sticking. Contains ingredients approved by the FDA for food contact use. USDA approved.

12 ounce can	4084-03
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V-Belt Dressing

V-Belt Dressing is specially formulated to penetrate and extend modern V-Belt life. It is particularly effective in maintaining V-Belt efficiency and performance under today's increasing performance requirements. It keeps belts pliable, prevents slippage, and does away with squealing and chattering. USDA approved.

16 ounce can	4086-03
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Speciality Products



Pipe-Dri®

Aerosol insulation which provides a moisture barrier to stop sweating and dripping on refrigeration lines, air conditioning lines, and other cold surfaces. Quickly adheres and dries to a hard water proof coating. Pipe-Dri makes it possible to insulate hard to reach areas.

18 ounce can	4297-75
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Nu-Kill® II Wasp and Hornet Killer

A "quick-kill" spray formulation EPA registered to instantly and effectively kills wasps, hornets, and yellow jackets, from distances up to 20 feet. Nu-Kill II kills with residual action as wasps and hornets return to their nest. The formula is safe in and around electrical equipment, having a dielectric strength of 47,000 volts.

13.5 ounce can	4292-75
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Pan-Spray®

Pan-Spray is an effective, easy-to-use water proof rubberized coating that won't chip, flake, or peel. It's ideal for sealing out rust and corrosion as well as repairing leaky condensate pans, cooling towers, swamp coolers, roofing, gutters, and down spouts. Pan Spray is the perfect solution for emergency and permanent repair.

16 ounce can - White	4296-50
16 ounce can - Black	4296-51



Pump Protector

When corrosion occurs in close-tolerance areas, it can cause the impeller to stick or bind. Pump Protector protects seasonally operated pumps against corrosion during shutdowns by winterizing them. It is safe for all types of water pumps and requires no special rinsing at start-up.

10 ounce can	4299-T8
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Insulating Product



Zinc Rich Cold Galvanizing

Highly resistant to nearly all forms of corrosion. Perfect for repairing factory galvanized material damaged in shipment, welding, assembly, etc. Its 95% pure zinc film fuses itself to iron, steel, or aluminum. Blends well with hot-dip coating. Meets or exceeds Military Specifications MIL-P-26915A, MIL-T- 26433, MIL-P- 21035, MIL-P-46105 and the Preece Test.

14 ounce can	4087-03
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Nu-Foam®

Nu-Foam is an expanding polyurethane prepolymer foam. It is used as a sealant and insulating product on openings created for refrigeration, air conditioning and heating tubes or pipes, duct joints, and other areas where unwanted air penetration might occur. Contains no CFCs nor any HCFCs.

9 ounce can	4293-04
20 ounce can	4293-75



Calci-Solve

Remove scale from lines and clear clogged drains easily and effectively with Calci-Solve. The product includes a special inhibitor that coats the inside of the pipes with a protective film, allowing the acid in Calci-Solve to quickly dissolve calcium, magnesium, sodium, lime, rust, and other elements without harming pipes.

1 quart	4134-24
1 gallon	4134-08



Drain Solve

Drain Solve saves time and money. It makes maintenance easy and eliminates the time consuming caution and care associated with the use of highly reactive, fuming drain openers. Simply pour it down the drain and let it work without fear of noxious fumes or reactions that may squirt corrosive chemicals into the face and eyes. Does not contain sulfuric acid.

1 quart	4165-24
1 gallon	4165-08



UrinaKleen

Keep urinals free flowing with UrinaKleen. Use it to dissolve urinary salts, mineral scale, and rust deposits which are found in urinals. It also attacks the primary source of odors.

1 quart	4590-24
1 gallon	4590-08

Water Test Kits



Complete Test Kit

The complete test kit for cooling water and boiler water application testing. In addition to pH, this kit also provides tests for obtaining alkalinity, nitrite, hardness, and sulfite, and chloride levels.

1 each	W017-0
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Nitrite Test Kit

Used for testing treatment residual of Ty-Ion B20 and Ty-Ion B14A. It is a ceric ammonium nitrate (can) titration method, and it can be used in systems containing glycol. Each drop equals 40 ppm of nitrite.

1 each	4797-0
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No. 89A Test Kit

No. 89A Test Kit contains tests for determining hardness, pH, chloride and alkalinity, as well as treatment residual tests for Ty-Ion C70, Cal-Treat 233, No. 340 Liquid Scale Inhibitor, and Ty-Ion B20.

1 each	4798-2
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Organic Phosphonate Test Kit

Used to determine the treatment residual of No. 340 Liquid Scale Inhibitor, Ty-Ion C70, and Cal-Treat 233.

1 each	4804-0
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Nickel-Safe Ice Machine Cleaner

The original Nickel-Safe Ice Machine Cleaner. It is a food-grade citric-phosphoric acid product for removing scale deposits from ice machines having nickel-plated or tin-plated evaporators, and it is acceptable for use in all ice machines containing nickel. It mixes to form a green solution which makes rinsing easier. USDA approved.

16 fluid ounce bottle	4287-34
1 gallon bottle	4287-08



Liquid Ice Machine Cleaner

Liquid Ice Machine Cleaner is a food-grade phosphoric acid that is fast acting, yet safe to use. It has been formulated to remove scale deposits from ice machines and coffee urns. It does not give off any harsh fumes or contain chlorine or chlorides that would attack stainless steel. USDA approved.

8 fluid ounce bottle	4207-47
1 gallon bottle	4207-08



IMS-II Sanitizing Concentrate

IMS-II is an EPA-registered sanitizing concentrate formulated to sanitize hard, non-porous surfaces and to eliminate odors and slime growths. No rinsing is required when diluted to 1.6 ounces per gallon. Formulated for general use in ice machines, ice cream dispensing equipment, and other food processing equipment.

16 fluid ounce bottle	4211-34
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Ice Guard® AP

Ice Guard AP contains advanced nano-titanium technology formulated to inhibit the growth of a wide variety of slime-forming bacteria and algae found in ice machines. The technology is incorporated into a drop-in device, which is placed directly into the recirculating water sump, providing treatment to the machine in one easy step. Provides 3-6 months protection for machines up to 1200 lbs. of ice per day.

1 each	4209-06
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Mini Ice Guard® AP

Smaller version of Ice Guard AP that is designed to fit in machines with smaller sumps. Provides 3-4 months protection in machines up to 400 lbs. of ice per day.

1 each	4209-05
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Micromet® Crystals

This treatment has been used for more than 60 years to prevent scale formation in commercial and residential water systems. A typical initial charge for ice makers is 1 ounce for every 100 pounds of ice per day. Each month 25% of the initial charge should be added. USDA approved. NSF Listed.

5 lb. container	4243-97
50 lb. pail	4243-84



6R Micromet®

Food-grade phosphate specifically formulated for inhibiting scale in ice machines and other equipment using low volumes of water. It is used in Nu-Calgon scale controlling cartridges and requires replacement once every 6 months. Typical dosage is 8 ounces per 500 pounds of ice (50 gallons of water) a day. USDA approved. NSF Listed.

50 lb. pail	4265-84
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NP Series Housings

These housings are designed to hold one of the NP Cartridges used to filter water for ice machines, coffee urns, and other beverage equipment. The NP24DD and NP48DD Housings can be charged with specific "NP24" or "NP48" cartridges for controlling scale, sediment, or objectionable tastes and odors. The NP24DD is equipped with 3/8" FPT connections and handles up to 4.0 gpm. The NP48DD is equipped with 1/2" FPT connections and can handle flow rates up to 5.0 gpm.

NP24DD	4704-24
NP48DD	4714-24



6R Micromet®/Carbon Cartridge

A custom cartridge, combining 6R Micromet for scale-control and a carbon block for sediment (10 microns), taste and odor control.

NP24PC	4706-87
NP48PC	4716-87



Carbon Block Cartridge

The NP24C Cartridge fits the NP24DD Housing while the NP48C fits the NP48DD. These carbon blocks will remove most objectionable tastes and odors and are rated to remove particulate to 10 microns.

NP24C	4701-87
NP48C	4711-87



Sediment Cartridge

The NP24S (5") and the NP48S (10") are made from FDA-approved polypropylene construction and filter to 5 microns. In addition, the 10" as well as a 20" version are available in bulk packaging.

NP24S	4702-87
NP48S	4712-87
20" Bulk	4621-43



6R Micromet® Cartridge

The NP246R Micromet Cartridge contains 1 pound of 6R Micromet, and it fits the NP24DD Housing. The NP486R Cartridge contains 2 pounds of 6R and fits the NP48DD Housing, with 10 micron filtration.

NP246R	4705-87
NP486R	4715-87



6R Micromet®/Sediment Cartridge

Another custom cartridge within the NP Series, consisting of polypropylene for filtration (5 microns) and phosphate for scale-control.

NP48PS	4717-87
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NP Series Brackets

Some installations may require two or three NP Series housings to meet more than one specific water-related condition. This custom installation can be accomplished through the use of one of the NP Series multi-housing brackets.

Two housing brackets	NP2BR
Three housing brackets	NP3BR

Cartridge Type	Problem to Solve			Daily Capacities	
	Sediment	Taste & Odor	Scale	"24's"	"48's"
"S" Cartridges	✓			1800 lbs. (200 gal.)	3600 lbs. (400 gal.)
"C" Cartridges	✓	✓		1800 lbs. (200 gal.)	3600 lbs. (400 gal.)
"6R" Cartridges	✓		✓	900 lbs. (100 gal.)	1800 lbs. (200 gal.)
"PC" Cartridges	✓	✓	✓	600 lbs. (65 gal.)	1200 lbs. (135 gal.)
"PS" Cartridges	✓		✓		550 lbs. (60 gal.)



Micro-Plus®

The complete all-in-one treatment for ice machines, coffee urns and brewers, humidifiers, steamers, etc. The Micro-Plus “in-line” filters contain 6R Micromet® to control scale, high-grade activated carbon for eliminating objectionable tastes and odors, and filter discs to remove silt and sediment down to 20 microns. Available in four sizes and have 1/4” FPT connections. When properly sized, each filter will last up to 6 months.

Micro-Plus 2	4615-W3
Micro-Plus 4	4612-W3
Micro-Plus 8	4613-Y8
Micro-Plus 16	4614-Y8

Micro-Plus Applications				
Application	Micro-Plus 2	Micro-Plus 4	Micro-Plus 8	Micro-Plus 16
Gallons of Water per Day	12.5	25	50	100
Ice Makers	Up to 125 lbs. of Ice/Day	Up to 250 lbs. of Ice/Day	Up to 500 lbs. of Ice/Day	Up to 1000 lbs. of Ice/Day
Coffee	25 lbs. of Coffee (1,250 cups) per week	50 lbs. of Coffee (2,500 cups) per week	100 lbs. of Coffee (5,000 cups) per week	200 lbs. of Coffee (10,000 cups) per week



Micro-Carbon 4

The Micro-Carbon 4 is designed to remove sediment and objectionable tastes and odors from water supplying beverage, water and ice making equipment and rated at a nominal 20 micron filter capacity. Will last 5-6 months, and can handle flow rates up to 1.0 gpm. Each unit has 1/4” FPT connections..

1 each	4617-24
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The CTL Series

The CTL Series contains a matching product for each of the Tri-Liminator models with specifications that are nearly identical. For example, the CTL’s primary cartridge (C0070) will replace both the K00070 and K00174 cartridges, and it has more scale control ability than either of the Tri-Liminator cartridges. Part numbers are easily crossed over: CTL10 replaces the Tri-L10.

CTL 220	4610-30
C0070 Primary Cartridge	4610-26
Prefilter	4621-43



Krystal Guard® Modular Filtration System Replacement Cartridges

A modular filtration system designed to accept either of two cartridges: one for particulate, as well as, taste and odor reduction and one for scale, particulate, and taste and odor reduction. The reusable stainless steel canister ensures a high quality appearance, and the disposable polypropylene cartridge makes this unit environmentally friendly.

Taste, Odor, & Particulate Reduction Cartridge	4611-00 (TOP)
Scale, Taste, Odor, & Particulate Reduction Cartridge	4611-01 (STOP)



NU-PLUS

By

EVERPURE®



Heads



QL3B Single System Head

Used with any Nu-Plus® E Series filters. Head includes a water shut-off valve with mounting bracket and screws. (3/8" NPT)

1 each	4621-07
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QC7I Single Head

Ideal for all Nu-Plus® E Series filters. Head includes a shut off, flushing valve, and outlet pressure gauge on a box bracket design. (3/8" NPT)

1 each	4621-01
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QC7I Twin Parallel Head

A dual filter head that is parallel plumbed for two Nu-Plus® E Series filters, either mix or match. Head includes a shut off, flushing valve, and outlet pressure gauge on a box bracket design. (3/4" NPT)

1 each	4621-02
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QC7I Triple Parallel Head

Triple filter head parallel plumbed for three Nu-Plus® E Series filters. Head includes a shut off, flushing valve, and outlet pressure gauge on a box bracket design. (3/4" NPT)

1 each	4621-03
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QC7I Quad Parallel Head

Quad filter head parallel plumbed for four Nu-Plus® E Series filters. Head includes a shut off, flushing valve, and outlet pressure gauge on a box bracket design. (3/4" NPT)

1 each	4621-04
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*Everpure® is a trademark of Everpure, Inc., Westmont, IL.



MRS-20 Reverse Osmosis System

- Complete Mineral Reduction Water Processing System, removing at least 90%+ of all dissolved solids that cause scale build-up
- Protects against taste and odor causing contaminants while removing dirt, particles and dissolved minerals
- Sanitary cartridge replacement is simple, quick and clean
- Two-part design makes installation flexible, easily fits in any kitchen, has no moving parts and requires no electrical power.
- System includes mineral reduction processor, carbon filter cartridge, reverse osmosis cartridge, and storage tank
- No monitoring of grains per gallons is necessary. System removes scale reducing minerals regardless of the grams per gallon (GPG)

MRS-20	9797-91
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Kleensteam CT and Kleensteam II

Everpure's second generation of total water treatment system for steam applications.

- A total system delivering high quality filtered water with scale inhibition and deliming capabilities
- New dual cartridge design provides enhanced performance for low and high flow capacity steamers and flexibility for expanding to meet future needs
- Fine filter incoming water to improve the performance, maximize energy efficiency and increase the life of the steam equipment
- Reduces chlorine-induced corrosion
- System is simple to install, operate, and maintain
- Easy deliming with ScaleKleen, which is fed into the boiler through the SR-X bowl without use of hazardous chemicals or special piping
- Long lasting IMF-10 (SS-10) cartridge is more effective in higher alkalinity/hardness/TDS/temperature installations

Kleensteam CT	1.67 gpm max. flow	9797-50
Kleensteam II	2.5 gpm max. flow	9797-21



High Flow CSR Triple-MC² and High Flow CSR Quad-MC²

- One system provides premium quality water to high flow fountain dispensers, coffee makers and ice machines
- New and improved Micro-Pure II media inhibits the growth of bacteria
- Reduces chlorine taste and odor and other offensive contaminants that can adversely affect the taste of beverages
- Precoat submicron technology reduces dirt and particles as small as 1/2 micron in size and reduces health contaminants such as cysts
- Increases the overall efficiency of equipment
- 20" prefilter captures larger dirt particles
- SR-X with SS-IMF cartridge inhibits scale buildup in ice machines and coffee brewers
- Sanitary cartridge replacement is simple, quick and clean.
- NSF Certified under NSF/ANSI Standards 42 and 53

Pictured: High Flow CSR Triple-MC²

CSR Triple-MC ²	Capacity: 27,000 gal.	5.0 gpm max. flow	9428-06
CSR Quad-MC ²	Capacity: 36,000 gal.	6.7 gpm max. flow	9437-10



Insurice Systems

- Reduces ice machine problems caused by scale build-up from dirt and dissolved minerals
- New and improved Micro-Pure II media inhibits the growth of bacteria
- Reduces chlorine taste and odor and other offensive contaminants
- Self-contained scale inhibitor feed keeps ice machines functioning at full capacity
- Reduces maintenance and service costs by reducing scale and clogging of distribution lines, evaporator plate and pump
- Precoat submicron technology reduces dirt and particles as small as 1/2 micron in size and reduces health contaminants such as cysts
- 20" prefilter (PF) reduces dirt and particles (9324-21 and 9324-22 only)
- Manifold features water shut off, flushing valve and outlet pressure gauge (9324-02 and 9324-22 only)
- Sanitary cartridge replacement is simple, quick and clean. Internal filter parts are never exposed to handling or contamination
- Scale Reduction/Control as tested by Everpure

Pictured: Insurice Twin PF - i2000²

Insurice Single - i2000 ²	Capacity: 9,000 gal.	1.67 gpm max. flow	9324-01
Insurice Single PF - i2000 ²	Capacity: 9,000 gal.	1.67 gpm max. flow	9324-21
Insurice Twin - i2000 ²	Capacity: 18,000 gal.	3.34 gpm max. flow	9324-02
Insurice Twin PF - i2000 ²	Capacity: 18,000 gal.	3.34 gpm max. flow	9324-22



nu-i2000² and nu-i4000²

Reduce water-related ice machine problems caused by dirt, objectionable tastes and odor and scale build-up. Pre-coat submicron filtration reduces particles as small as 1/2 micron along with chlorine and other offensive contaminants. In addition, both cartridges use 6R Micromet[®], a highly acclaimed scale inhibitor that inhibits scale build-up caused by dissolved minerals. NSF Certified under NSF/ANSI Standards 42 and 53.

- Pre-coat filtration with Micro-Pure[®] II antibacterial protection
- Premier 6R Micromet scale control
- Cyst and asbestos fibers reduction
- Sanitary quick-change cartridge replacement

nu-i2000²	4621-10
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Capacity: 9,000 gallons • 750 lbs. for most cubers • 1,500 lbs. for most flakers

nu-i4000²	4621-11
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Capacity: 12,000 gallons • 1,000 lbs. for most cubers • 2,000 lbs. for most flakers



nu-MC² and nu-XC²

Reduces chlorine taste, odor and other offensive contaminants that can adversely affect the taste of fountain beverages. Pre-coat submicron filtration reduces particles as small as 1/2 micron, and it helps retain carbonation in drinks. NSF Certified under NSF/ANSI Standards 42 and 53.

- Pre-coat filtration with Micro-Pure[®] II antibacterial protection
- Reduces objectionable tastes and odors
- Cyst and asbestos fibers reduction
- Sanitary quick-change cartridge replacement

nu-MC²	4621-20
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Capacity: 9,000 gallons

nu-XC²	4621-21
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Capacity: 12,000 gallons



BH² and OCS² Cartridge

- Delivers premium quality water for ice and coffee applications
- Designed for applications where the i-2000² is too long
- Precoat submicron particulate reduction
- Inhibits Scale formation
- Taste & Odor reduction
- NSF Certified under NSF/ANSI Standard 42 and 53.

BH²	4621-12
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Capacity: 3,000 gallons or 6,000 pots of coffee

OCS²	9618-07
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Capacity: 1,500 gallons or 3,000 pots of coffee



OW200L and OW4^{Plus} Cartridge

- Unique filter blend uses activated carbon to reduce chlorine taste, odor, and other offensive contaminants
- Reduces lead to below the Federal Action Level of 10 ppb
- Precoat submicron technology reduces dirt and particles as small as 1/2 micron in size
- Inhibits scale build-up in water-using appliances
- NSF Certified under NSF/ANSI Standards 42 and 53

OW200L	9619-06
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Capacity: 480 gallons

OW4^{Plus}	9635-06
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Capacity: 2,000 gallons

*Everpure[®] is a trademark of Everpure, Inc., Westmont, IL.



7CB5 and nu-7CB5-S

The carbon block filter finely polishes the water by removing contaminants, allowing for high quality beverages and food applications. NSF Certified under NSF/ANSI Standard 42.

- Taste and odor, chlorine reduction
- Scale Control (nu-7CB5-S only)
- Particulate reduction to 5 micron
- Problem-solving cartridge for high particulate or low flow water pressure areas

7CB5	9618-16
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Capacity: 10,000 gallons

nu-7CB5-S	4621-30
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Capacity: 10,000 gallons



4CB5 and 4CB5-S Cartridge

Carbon Block filter finely polishes water for high quality beverages and food applications. NSF Certified under NSF Standard 42.

- Taste and odor, chlorine reduction
- Scale Control (4CB5-S only)
- Particulate reduction to 5 micron

4CB5	4621-32
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Capacity: 6,000 gallons

4CB5-S	4621-31
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Capacity: 6,000 gallons



7SO Softening Cartridge

A softening cartridge that reduces scale-forming minerals like calcium and magnesium in hard water situations. It may be used on water having up to 30 grains hardness per gallon at flow rates of up to ½ gallons per minute. It is a sanitary quick change cartridge that makes replacement easy. It should be used with an Everpure fine filter cartridge installed in a series plumbed twin head.

7SO	9607-04
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Capacity: 2,000 grains • 0.5 gpm max. flow

Replacement for Cuno® Cartridges



Nu-Plus® CU and Nu-Plus CU-S

The Nu-Plus E Series CU and CU-S cartridges are replacements that are compatible with the CUNO Series CFS 8000 filter cartridges. Both incorporate a carbon block filter that reduces objectionable tastes and odors as well as chlorine and other contaminants, providing high quality beverage and ice. They also reduce extra fine dirt as small as 5 microns. Additionally, the CU-S provides for the reduction of scale formation.

Nu-Plus CU	4622-20
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Capacity: 10,000 gallons (37,850 liters) • 1.5 gpm flow
Replaces CFS-8112, CFS-8720 & CFS-8812

Nu-Plus CU-S	4622-10
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Capacity: 10,000 gallons (37,850 liters) • 1.5 gpm flow
Replaces CFS-8112S, CFS-8720S & CFS-8812S

*Cuno® is a trademark of 3M. This product is not manufactured, sponsored, or affiliated with 3M.



Nu-Plus® 10" and 20" Coarse Prefilters

A 10" and 20" clear housing, each including a 10" and 20" replaceable prefilter cartridge. Filters out larger dirt and rust particles thereby extending the life of submicron and carbon block filters.

E-10	4621-42
E-20	4621-44

Optional: Wing Bracket for all multiple filter head systems manufactured after 2003: 4621-45



Nu-Plus® EC110 and EC210

A 10" and 20", 10 micron nominal filtration cartridge for filtering out larger dirt and rust particles, extending the life of primary filters. For use in the E-10 and E-20 housings as well as other 10" and 20" housings.

EC110 (10")	4621-41
EC210 (20")	4621-43



SRX Scale Inhibitor Feeder

A complete system for the control of scale in ice, coffee, steam, and combination applications. It dispenses a controlled amount of HydroBlend™ compound which provides for a more consistent feed and longer life. The system includes a clear housing, one cartridge, and a spacer.

1 each	4621-05
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Optional: Wing Bracket for all multiple filter head systems manufactured after 2003: 4621-06



Nu-Plus® IMF-7 and IMF-10

Ice Machine Feeder Scale inhibition cartridge. The translucent cartridge allows for easy visual monitoring of the product's usage. The larger IMF-10 will last longer or treat higher volumes of water.

IMF-7	Replacement for AR-X 7" Housing	4621-13
IMF-10	Replacement for SS-10 Scale Sticks	4621-14



4JT Flushing/Sanitizing Cartridge

The preferred way to introduce ScaleKleen™ Scale Remover or other sanitizing solutions (IMS-II) into all water-using equipment and vending machines. Fits into existing Everpure heads. Eliminates the need for difficult component disassembly. Easy and convenient to help you clean and maintain equipment. Approved by NAMA.

1 each	4621-00
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ScaleKleen™ Scale Remover

Restores equipment to peak operating efficiency by removing scale build-up. Quickly removes limescale from coffee brewers. Ideal for deliming steam and warewashing equipment. Great for office coffee system (OCS) applications. Non-toxic, safe to skin and won't burn clothing. Sewer system disposable; can be poured down the drain. Use with 4JT Flushing/Sanitizing Cartridge.

7 ounce packets	4621-17
2.2 lb. canister	9796-02

*Everpure® is a trademark of Everpure, Inc., Westmont, IL.

Free Seminars and Training Classes

Coil Cleaning: The Clean Coil Program is a comprehensive seminar dedicated to the safe and proper procedures to clean evaporator and condenser coils. The program will help determine which cleaning method should be utilized for a particular job based on the type and condition of the unit. NATE Recognition Classes: 1 hour Continuing Education Accreditation



Ice Machine Treatment and Filtration: A complete guide to "Extending the Life of an Ice Machine." The seminar will answer the questions: why use a filter, what filter should be used, and how to keep the system clean, clear, and running properly. It also addresses all of the water-related problems associated with ice machines. (1.5 hours)

Indoor Air Quality Management: The seminar covers the past, present and future of indoor air quality (IAQ). Topics covered in the session: how poor IAQ impacts a business, common causes of poor IAQ, and how to prevent poor IAQ from occurring. NATE Recognition Classes: 1 hour Continuing Education Accreditation



Nu-Calgon Product Line Review: The seminar provides an overview of all the major products that Nu-Calgon offers. The presentation explores when and where to use certain products, as well as explains how using certain products can save time and money. (2 hours)

Refrigeration Oils: An in-depth look at industry refrigeration oils (Mineral, Alkylbenzene, and POE) and when and where to use them. NATE Recognition Classes: 1.5 hours Continuing Education Accreditation



Total System Protection: A thorough look at why burnouts occur, how to prevent them and the proper way to flush a system once a burnout occurs. The training will include acid testing and acid neutralization. NATE Recognition Classes: 1 hour Continuing Education Accreditation



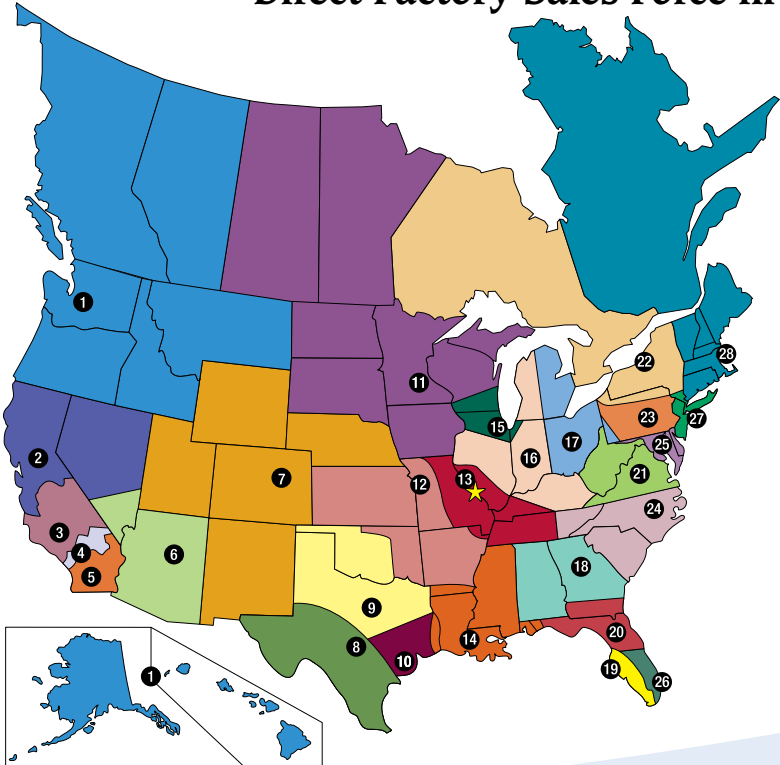
Water Treatment: This seminar will cover the fundamentals of water treatment for cooling towers, evaporative condensers, boilers, and chillers. NATE Recognition Classes: 1.5 hours Continuing Education Accreditation



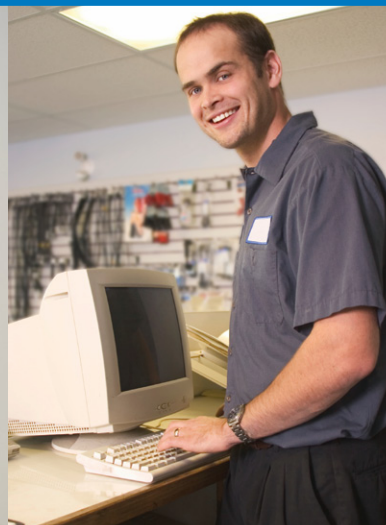
Winter Water Treatment: This program focuses on what a system needs prior to the winter season, including a review of ethylene and propylene glycol, the proper treatments for hot/cold closed systems, and low make-up steam systems. (1 hour)

Energy Savings with A/C Re-New: Learn about a revolutionary product for revitalizing and energizing a/c systems. The seminar will explain how A/C Re-New will help reduce energy costs, improve cooling performance and reduce the system noise. (1 hour)

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