



# NU-CALGON CATALOG



*Our Name on the Outside  
Means Quality on the Inside*

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# Coil Cleaners

Increase the efficiency of air conditioning and heating systems with the industry's highest quality coil cleaning products.

**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.

<b>18 ounce can</b>	<b>4291-18</b>
<b>1 gallon bottle</b>	<b>4291-08</b>
<b>2.5 gallon pail</b>	<b>4291-05</b>
<b>55 gallon drum</b>	<b>4291-01</b>

## 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.

<b>20 ounce can</b>	<b>4081-75</b>
<b>1 gallon bottle</b>	<b>4135-08</b>
<b>2.5 gallon pail</b>	<b>4135-06</b>
<b>55 gallon drum</b>	<b>4135-01</b>



## 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. Biodegradable. USDA Approved.

## CalClean HD Electronic Cell Cleaner

A ready-to-use formulation, ideal for electronic air cleaners.

<b>HD Elec. Cell quart</b>	<b>4144-24</b>
<b>1 gallon bottle</b>	<b>4143-08</b>
<b>2.5 gallon pail</b>	<b>4143-06</b>
<b>55 gallon drum</b>	<b>4143-01</b>



## 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.

<b>1 gallon bottle</b>	<b>4178-08</b>
<b>2.5 gallon pail</b>	<b>4178-05</b>
<b>55 gallon drum</b>	<b>4178-01</b>



## 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.

<b>1 gallon bottle</b>	<b>4120-08</b>
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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.

<b>1 gallon bottle</b>	<b>4133-08</b>
<b>55 gallon drum</b>	<b>4133-01</b>

# Coil Cleaners



## 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. Evap Pow'r-C is the concentrate while Evap Pow'r-RTU is the ready-to-use formulation. Biodegradable. USDA Approved.

- 1 quart spray bottle Rtu**     **4169-24**
- 1 gallon bottle**             **4168-08**
- 2.5 gallon pail**              **4168-05**



## 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.

- 18 ounce can**                     **4171-75**



## 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**



## 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**



## 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**



## Cal-Shield®

Cal-Shield is a synergistic liquid formulation based upon DuPont's Teflon® fluoro-additives. It is specifically designed for application on air-cooled condensers, evaporator coils, and other finned heating and cooling coils where it forms a micro-thin or molecular film of Teflon. Once applied, Cal-Shield will shield and protect the coil from adverse conditions within the operating environment.

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

# Coil Cleaners

**NEW!**

## 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.

**1 gallon 4190-08**

### 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.

**1 gallon 4191-08**

## Nu-Calgon's Coil Cleaner Selection Guide

	NU-BRITE	FOAM-BRITE	ALKA-BRITE PLUS	CAL-BRITE	CALCLEAN SPECIAL HD	CALCLEAN AEROSOL	CALCLEAN	NU-BLAST	ECO-FRIENDLY CAL-GREEN									
<b>EQUIPMENT USED ON</b>																		
Condenser Coils	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Evaporator Coils	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Permanent Filters	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Electronic Air Filters	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Small Condenser Coils	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Small Evaporator Coils	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Fan Blades, Motors, Etc.	✓	✓	✓	✓	✓	✓	✓	✓	✓									
<b>FORMULATED TO REMOVE</b>																		
Greasy Dirt & Oil	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Cooking Grease	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Dirt & Grime	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Tobacco Tars	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Lint, Dust	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Oxide (Corrosion) Deposits	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Cottonwood/ Bugs	✓	✓	✓	✓	✓	✓	✓	✓	✓									
<b>FEATURES &amp; BENEFITS</b>																		
Product Type	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Acidic	Alkaline	Alkaline	Alkaline	Alkaline	Bacteriostat	Alkaline	Protectant	Solvent	Alkaline	Alkaline
Foaming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Brightening	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Degreasing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Non-Rinsing	✓	✓	✓	✓	✓	✓	✓	✓*	✓*	✓	✓	✓	✓	✓*	✓	✓	✓	✓
Coil Protection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Biodegradable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USDA Authorized	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EPA Registered	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

\* 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**



### 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**



### 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**



### 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**



### 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**



### 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**



### No. 330CP Poly Sprayer

The No. 330CP Poly Sprayer is constructed of high-density translucent polyethylene with a funnel-top that provides easy chemical pouring. This 3 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 4772-1**



### 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**

# IAQ Assurance Program

Cleaning, protecting, disinfecting, and preventing are four ways to assure a clean and healthy environment in an HVAC system. With Nu-Calgon's complete IAQ product line, you can provide a cleaner and safer environment for everyone.



## 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 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



## 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



## 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. Lasts up to 3 months.

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



## 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.

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



## Oxine®

Oxine is EPA registered and recognized internationally as the premier chlorine dioxide sanitizer for HVAC applications. It has low toxicity and high efficacy against pathogenic bacteria, and it is effective against Legionella and a wide variety of pathogens, including stachybotrys (black mold). Can be fogged. Makes 1 gallon.

**3.25 ounce bottle** 4295-12



## 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 or Oxine in large areas.

**1 each** 4693-0

# Refrigeration Oil & Vacuum Pump Oil

## Polyol Ester (POE) Lubricants



### 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.

**Part Numbers for Emkarate RL Lubricant**

Emkarate RL	Viscosity	1 Quart	1 Gallon	5 Gallon	53 Gallon
32-3MAF	150 SUS	4314-64	4314-66	4314-65	
22H	100 SUS		4313-46		
32H	150 SUS	4314-44	4314-46	4314-45	4314-41
46H	200 SUS		4315-46		
68H	300 SUS	4316-44	4316-46	4316-45	4316-41
68HB	300 SUS		4316-86		
68HP	300 SUS		4316-76		
100E	500 SUS		4317-66		
170H	850 SUS		4318-26	4318-25	
220H+	1100 SUS		4318-66	4318-65	
220XL	1100 SUS			4318-75	

## Mineral



### 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 modern 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.

**Part Numbers for C-3s, C-4s and C-5s Refrigeration Oil**

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



# Refrigeration Oil & Vacuum Pump Oil

## Alkylbenzene



### 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.

### Part Numbers for Zerol® Refrigeration Oil

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	

### 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**

### 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**

### 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**

### 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**

# Total System Protection

Whether it is cleanup after a burnout, flushing line sets, regular maintenance, component changeout or retrofitting, Nu-Calgon's Total System Protection offers the tools and procedures to successfully maintain air conditioning and refrigeration systems.

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



## R<sub>x</sub>11-flush®

R<sub>x</sub>11-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. R<sub>x</sub>11-flush is ideal for flushing line sets on R-410A conversions, works fast, and is easy to use.

<b>R<sub>x</sub>11-flush (1 lb. canister)</b>	<b>4300-09</b>
<b>R<sub>x</sub>11-flush (2 lb. canister)</b>	<b>4300-11</b>
<b>Start-up Kit (2+1)</b>	<b>4300-10</b>
<b>R<sub>x</sub>11-flush (13 lb. canister)</b>	<b>4300-15</b>

## R<sub>x</sub>11-flush® Accessories

The R<sub>x</sub>11-flush product family also includes various support tools. This includes the Injection Valve for hooking up to a charging hose for flushing and the Flushing Tool for facilitating line set flushing. In addition, the R<sub>x</sub>11-flush Gun with a built-in flushing attachment and the R<sub>x</sub>11-flush Hose (24") are available.

<b>Flushing Tool</b>	<b>4300-50</b>
<b>R<sub>x</sub>11-flush Gun</b>	<b>4300-51</b>
<b>R<sub>x</sub>11-flush Hose (24")</b>	<b>4300-52</b>
<b>Injection Valve</b>	<b>4300-99</b>

(Injection Valve Fits Pneu-flush®, Zerol®Ice, and A/C Re-New as well)



Flushing Tool    R<sub>x</sub>11-flush Gun    R<sub>x</sub>11-flush Hose    Injection Valve

# Total System Protection

**NEW!**



## A/C EasySeal

A/C EasySeal was developed from technology used to protect air conditioning systems on nuclear submarines and satellites. It was critical in these applications that any leaks that developed be sealed immediately to avoid repairs while on missions.

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). Each can will treat up to a 5 ton system and is easily installed with the reusable piercing valve and hose.

- Prevents refrigerant leaks and seals existing leaks in air conditioning and refrigeration systems
- Eliminates expensive leak search and repair
- Travels with refrigerant to find leaks fast
- One can treats up to 5 ton systems
- Reusable A/C Piercing Valve and Hose

**3 ounce pressurized can** **4050-06**

**"2 + 1" Display Pack** **4050-02**

**A/C Piercing Valve and Hose** **4051-99**

**NEW!**



## 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.

- Eliminates moisture in the system
- Compatible with all oils and refrigerants
- Use as preventive maintenance

**3 ounce pressurized can** **4051-06**

**A/C Piercing Valve and Hose** **4051-99**

## 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. This means only one product in the tool box or on the truck.

**1 each**

**4301-02**



## Phase III® Refrigeration Oil Acid Test Kit

Formulated for use on 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**



# Total System Protection



**Quiets noisy air conditioning systems and reduces energy consumption.**

**Zerol® Ice:** Highly recognized brand for air conditioning and refrigeration applications.

**A/C Re-New:** Exciting, new branding of Zerol Ice for residential air conditioning systems.

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

Zerol Ice has established an outstanding track record enhancing the performance of air conditioning and refrigeration systems. Now we have the same formula re-branded as A/C Re-New for residential air conditioning systems.

Both brands are available in a variety of packages, including the pressurized can for R-22 systems.

## Zerol Ice

Pressurized can	<b>4312-50</b>
"2 + 1" start-up kit	<b>4312-52</b>
4 fluid ounce can	<b>4312-55</b>
1 quart	<b>4312-54</b>
Injection Valve	<b>4300-99</b>

## A/C Re-New

Pressurized can	<b>4057-50</b>
"2 + 1" start-up kit	<b>4057-52</b>
4 fluid ounce can	<b>4057-55</b>
Injection Valve	<b>4300-99</b>

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



**A/C Re-New is a re-branding of Zerol Ice for residential air conditioning systems.**

**Both great brands are available! Visit [www.acrenew.com](http://www.acrenew.com).**

## A tremendous 1-2 punch for every system...

**Prevent leaks and revitalize the air conditioning system with A/C EasySeal and A/C Re-New.**



# Scale Removal/Descaling

Removing scale from cooling towers is easy with Nu-Calgon products.



## 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. pH test paper is also included. USDA Approved.

**1 gallon bottle 4330-08      5 gallon pail 4330-05**



## 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 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 Start have a pH color indicator and are low-foaming

**Neutralized**

**Working Strength**



### 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.

**Competitive Product with Dangerous Foam**

**Nu-Calgon Low-Foaming Liquid Scale Dissolver**



### 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.

### Initial Dosage

Tons of Horsepower	Liquid Scale Dissolver	Season Start
10	2 gals.	10 lbs.
30	5 gals.	30 lbs.
50	10 gals.	50 lbs.
90	15 gals.	75 lbs.

NOTE: The figures shown in the chart are for the average amount of scale. For light scale use 1/2 the recommended dosage and for heavy scale use twice the dosage shown. Also, equal additional dosages may be required to completely dissolve all scale; the pH color indicator built into each product will be the guide in the cleaning operation.



### 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**



### 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**

# Water Treatment

## Scale Prevention



### 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

### 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** 4364-88 (Season Treat)  
**50 lb. pail** 4275-84 (Micromet Plates)

### 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	Ty-Ion C70 Required per Month	# 340 Liquid Scale Inhibitor Required per Month	Bleed-off For Most Scale-forming Waters
10	1	1/4 gal.	1/4 gal.	1/8 gpm
30	3	2/3 gal.	1/2 gal.	1/3 gpm
50	5	1 gal.	3/4 gal.	1/2 gpm
100	—	2 gal.	1 1/2 gal.	1 gpm
120	—	2 1/2 gal.	2 gal.	1 1/4 gpm
150	—	3 gal.	2 1/2 gal.	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

### 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 gal.	1/10 gpm	10
1 gal.	1/4 gpm	30
2 gal.	3/8 gpm	50
3 gal.	1/2 gpm	90

## Algae Prevention



### 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

### No. 90 Bromicide Tablets



A chlorine-bromine donating organic compound in tablet form. It slowly releases powerful oxidizing hypochlorous 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

### To Kill Algae or Slime Growths

Tons of Refrigeration or HP	Number of No. 90 Algaecide Pellets for an Average System	Gallons of No. 85 Algaecide per month
10 tons	5	1/6 gal.
30 tons	15	1/3 gal.
50 tons	25	1/2 gal.
90 tons	45	2/3 gal.

# Water Treatment

## 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**

## Conductivity Meter



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

**1 each 4812-0**

## 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**

## 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**

## 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**

## 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**

## No. 4 Feeder



Designed to introduce Micromet treatment for controlling lime scale formation, corrosion or red iron staining in well-water systems. Holds up to four pounds of Micromet and can treat up to 400 gallons of water per day for corrosion and red iron water and up to 800 gallons per day when treating lime scale.

**1 each 4624-0**

## 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**

## 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.

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

## Water Sample Bottles



The proper way to treat a cooling tower or a closed loop system is to have the 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**

# Closed System & Glycol Water Treatment

## Glycol



### 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. Safe to use where contact with potable water is possible.

<b>1 gallon bottle</b>	<b>4188-07</b>
<b>5 gallon pail</b>	<b>4188-05</b>
<b>55 gallon drum</b>	<b>4188-01</b>



### 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.

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



### Burst-Kontr'I® AP

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

<b>5 gallon pail</b>	<b>4187-05</b>
<b>55 gallon drum</b>	<b>4187-01</b>



### Glycol Refractometer

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

<b>1 each</b>	<b>4816-0</b>
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## Closed Systems & Steam Boilers



### 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.

<b>5 gallon pail</b>	<b>7537-05</b>
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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.

<b>5 gallon pail</b>	<b>7519-05</b>
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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.

<b>5 gallon pail</b>	<b>4370-08</b>
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### 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.

<b>1 quart bottle</b>	<b>4390-32</b>
<b>1 gallon bottle</b>	<b>4390-08</b>



# Insulation Products

A complete line of quality insulation products for the air conditioning, refrigeration and heating industries.



## 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**

## Perma-Wrap™ Foam Insulation Tape Dispenser Package

Same product is also available in an easy-to-use dispenser package.

**2'x 1/8'x 30' Roll 4218-12**

## Cork Insulation Tape

This tape has been formulated and manufactured specifically for the air conditioning and refrigeration industry. This tape meets and exceeds specifications as an insulating material for preventing sweating and condensation on refrigerant lines, cold pipes, and other commercial refrigeration and air conditioning 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. Can be applied at temperatures as low as -30°F.

**2'x 1/8'x 30' Roll 4217-W3**

## Cork-Tite™ Insulation Tape

Specially designed for all types of climates insulating cold pipes for all kinds of air conditioners used 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**



## 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**

## 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**



## 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 lb. boxes, each box contains two one pound bars.

**2 lb. Box 4216-92**



## 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**



# Specialty Products - Gas Leak Detectors

A complete family of gas leak detectors from the leaders in gas leak detection technology.



## 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, thereby 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 w/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**



## Cal-Blue® Gas Leak Detector

Cal-Blue was developed with today's technician in mind. The advanced formula ensures long lasting bubbles, and the product will remain in contact with the applied surface for an extended period of time. It is also non-corrosive to metal, which is significant as it helps to maintain the integrity of piping, tubing, and fittings. Cal-Blue does not affect ultraviolet or "black lights."

- 1 quart spray bottle**      **4181-24**



## 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 w/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 w/dauber**      **4184-53**
- 1 quart spray bottle**      **4184-24**
- 1 gallon bottle**      **4184-08**

# Specialty Products



## Scrubs-In-A-Bucket® HVAC80™

The original Scrubs. Disposable, pumice-performance waterless hand cleaner towels that effectively and quickly clean hands of 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



## 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



## Thermo-Trap® Paste

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



## 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.

**Pneu-flush Canister** 4298-01  
**Access Valve Assembly** 4298-88  
**Injection Tool** 4300-99

(Injection Valve Fits Rx11-flush®, Zerol® Ice, and A/C Re-New as well)



## 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



## 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\*

\*(Low VOC for California)

# Cal-Spray® Aerosol Products

Nu-Calgon's Cal-Spray family of products is an extensive line of aerosols for all HVAC industrial needs.

## Lubricants



### 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**



### Penetrating Lubricant

Penetrating Lubricant frees rusted parts, displaces moisture and prevents new rust from forming. Has superior penetrating and lubricating properties that provide an ultra-thin, molecular film with high dielectric and corrosion-resistant qualities. This film seals out water and oxygen as well as dirt and abrasive particles. Meets Military Specifications MIL-C-23411 and MIL-C-81309.

**11.75 ounce can 4085-83**



### 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**



### 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**

## Coil Cleaners



### 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.

**18 ounce can 4171-75**



### Evap-Fresh™ Evaporator Coil Cleaner & Disinfectant

Evap-Fresh is a ready-to-use, no rinse cleaner and disinfectant. It effectively cleans as well as kills mold and bacteria. This one step 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**



### 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.

**20 ounce can 4081-75**



### 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**



### 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**

# Cal-Spray® Aerosol Products

## Specialty Products



### Nu-Kill® II Wasp and Hornet Killer

A "quick-kill" spray formulation based upon a synergistic formulation of both tetramethrin and permethrin. It 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**



### 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 4296-50 White  
4296-51 Black**



### 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**



### 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**



### 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.

**16 ounce can 4087-03**

## 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**



### 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**

## 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\***

\*(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.

**16 ounce can 4082-03  
16 ounce can LV 4082-04\***

\*(Low VOC for California)

## Insulating Product



### 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**

# Plumbing Products & Test Kits



## 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**



## 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**



## 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**

## Nitrite Test Kit

Used for testing treatment residual of Ty-Ion B20 and Ty-Ion B14A. It is a ferric 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**

## 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**



## Weltone®

A complete chemical preparation for developing, restoring, and cleaning water well deposits. USDA Approved.

**100 lb. keg**                      **4388-82**

## 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**

# Ice Machine Maintenance & Water and Beverage Filtration



By **NU-PLUS**  
**EVERPURE**



# Ice Machine Maintenance



## 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. Formulated for general use in ice machines, ice cream dispensing equipment, and other food processing equipment.

**16 fluid ounce bottle** 4211-34



## 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



## 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



## 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



## 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



# Ice Machine Filtration - Nu-Plus® E Series by Everpure®



## nu-MC<sup>2</sup> and nu-XC<sup>2</sup>

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-MC<sup>2</sup>

9,000 gallon capacity  
**1 each 4621-20**

### nu-XC<sup>2</sup>

12,000 gallon capacity  
**1 each 4621-21**



## nu-i2000<sup>2</sup> and nu-i4000<sup>2</sup>

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-i2000<sup>2</sup>

Capacity: 9,000 gallons  
 750 lbs. for most cubers  
 1,500 lbs. for most flakers  
**1 each 4621-10**

### nu-i4000<sup>2</sup>

Capacity: 12,000 gallons  
 1,000 lbs. for most cubers  
 2,000 lbs. for most flakers  
**1 each 4621-11**



## 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 odor, and 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
- 10,000 gallon capacity

### 7CB5

**1 each 9618-16**

### nu-7CB5-S

**1 each 4621-30**



## BH<sup>2</sup> and OCS<sup>2</sup> Cartridge

- Delivers premium quality water for ice and coffee applications
- Designed for applications where the i-2000<sup>2</sup> is too long
- Precoat submicron particulate reduction
- Inhibits scale formation
- Taste and odor reduction
- NSF Certified under NSF/ANSI Standard 42 and 53.

### BH<sup>2</sup>

3,000 gallon capacity or 6,000 pots of coffee  
**1 each 4621-12**

### OCS<sup>2</sup>

1,500 gallon capacity or 3,000 pots of coffee  
**1 each 9618-07**



# Ice Machine Filtration - Nu-Plus® E Series by Everpure®



## 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, odor, and chlorine reduction
- Scale control (4CB5-S only)
- Particulate reduction to 5 micron
- 6,000 gallon capacity

**4CB5**  
1 each 4621-32

**4CB5-S**  
1 each 4621-31



## OW200L and OW4Plus 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**  
480 gallon capacity  
1 each 9619-06

**OW4Plus**  
2,000 gallon capacity  
1 each 9635-06



## 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.

Capacity: 10,000 gallons (37,850 liters)  
Flow: 1.5 gpm

**Nu-Plus CU**  
Replaces CFS-8112, CFS-8720 & CFS-8812  
1 each 4622-20

**Nu-Plus CU-S**  
Replaces CFS-8112S, CFS-8720S  
& CFS-8812S  
1 each 4622-10



## QC71 Heads

Designed for all Nu-Plus E Series by Everpure filters. All sizes come with a built-in shut off flushing valve and an outlet pressure gauge which is included on the mounting bracket. (3/8 NPT)

<b>Single</b>	<b>4621-01</b>	<b>Triple Parallel</b>	<b>4621-03</b>
<b>Twin Parallel</b>	<b>4621-02</b>	<b>Quad Parallel</b>	<b>4621-04</b>

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

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

# Ice Machine Filtration - OEM Replacements

## 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**

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 4621-13**

**IMF-10 4621-14**

## 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 down to 10 microns in size thereby extending the life of submicron and carbon block filters.



**10" 4621-42**

**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 4621-41 (10")**

**EC210 4621-43 (20")**

## 4JT Flushing/Sanitizing Cartridge

The preferred way to introduce ScaleKleen™ Scale Remover or other sanitizing solutions such as IMS-II into all water-using equipment and vending machines. Fits into existing Everpure filter 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**

## ScaleKleen™ Scale Remover

Restores equipment to peak operating efficiency by removing scale build-up. Quickly removes limescale from coffee brewers. Ideal for de-liming steam and warewashing equipment. Great for office coffee system (OCS) applications. It is non-toxic and won't burn clothing. Sewer system disposable, can be poured down the drain. Use with 4JT Flushing/Sanitizing Cartridge or SRX bowl with dip tube.



**7 oz. packets per case 4621-17**

## Cross Reference to Everpure Part Numbers

EV3112-39	3112-39	Bowl (Sump) for E-10, E-20, & SRX Feeder
EV3112-40	3112-40	3112-40 O-Ring (for E-10, E-20, & SRX Feeder)
EV3114-34	4621-45	Nu-Plus Prefilter Wing Bracket (left side mount)
EV3114-35	4621-06	SRX Wing Bracket Post Filter Kit
EV9108-27	9108-27	CG5-20S
EV9108-67	9108-67	CG53-20S
EV9109-71	EPM-20	EPM 20" Carbon Block
EV9259-24	4621-07	QL3B w/ shut off
EV9272-22	4621-02	QC7I Twin Parallel Head
EV9272-23	4621-03	QC7I Triple Parallel Head
EV9272-41	4621-01	QC7I Single Head
EV9336-11	4621-04	QC7I Quad Parallel Head
EV9534-12, EV9534-40	4621-41	EC-110 Prefilter (10")
EV9534-20, EV9534-26	4621-43	EC-210 Prefilter (20")
EV9608-00, EV9655-00	4621-00	JT Flushing/Sanitizing Cartridge
EV9612-00, EV9612-51, EV9612-50, EV9624-01	4621-12	BH <sup>2</sup> Ice/Coffee Cartridge
EV9612-06, EV9612-55, EV9612-56	4621-20	nu-MC <sup>2</sup>
EV9612-22, EV9612-27, EV9324-01, EV9324-02, EV9324-21, EV9324-22	4621-10	nu-i2000 <sup>2</sup> (Replaces Scotsman SSM cartridges)
EV9612-31, EV9612-32, EV9612-37, EV9325-03, EV9325-04, EV9325-23	4621-11	nu-i4000 <sup>2</sup>
EV9613-10, EV9613-97	4621-21	nu-XC <sup>2</sup>
EV9613-21, EV9613-26	4621-10	nu-i2000 <sup>2</sup> (use in place of MH <sup>2</sup> filter)
EV9617-11, EV9617-16	4621-32	4CB5 (CB=carbon block, 5 Micron)
EV9617-21, EV9617-26	4621-31	4CB5-S
EV9618-07, EV9618-02	9618-07	OCS <sup>2</sup> filter
EV9618-11, EV9618-16	9618-16	7CB5
EV9618-21, EV9618-26	4621-30	nu-7CB5-S
EV9619-01, EV9619-06	9619-06	OW200L (Replaces H-300 residential filter)
EV9635-01, EV9635-06	9635-06	OW4 <sup>plus</sup> (Replaces H-104 residential filter)
EV9781-10, EFS8002	4622-20	Nu-Plus CU Cartridge
EV9781-12, EFS8002-S	4622-10	Nu-Plus CU-S Cartridge
EV9795-80	4621-42	E-10 Prefilter Housing w/Cart. (10")
EV9795-90	4621-44	E-20 Prefilter Housing w/Cart. (20")
EV9796-20, EV9798-20, EV9798-31, EV9798-33, EV9798-35	4621-17	ScaleKleen
EV9798-33	4621-13	IMF-7 (for IMF Housing 7")
EV9798-45	4621-05	SRX Housing
EV9799-02	4621-14	IMF-10 (for 10" Housing SRX or E-10)

# Ice Machine Filtration - NP Series



## NP Series Housings

These housings are designed to hold one of the NP Cartridges used in treating 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 Housing**                      **4704-24**  
**NP48DD Housing**                      **4714-24**



## 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**



## 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**



## 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**

Problem to Solve				Daily Capacities	
Cartridge Type	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	✓		✓	250 lbs. (27 gal.)	550 lbs. (60 gal.)

# Ice Machine Filtration



## Micro-Plus®

The complete all-in-one treatment for ice machines, coffee urns and brewers, beverage machines, 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.

<b>Micro-Plus 2</b>	<b>4615-W3</b>
<b>Micro-Plus 4</b>	<b>4612-W3</b>
<b>Micro-Plus 8</b>	<b>4613-Y8</b>
<b>Micro-Plus 16</b>	<b>4614-Y8</b>

### Micro-Plus Applications

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



## Krystal Guard® Modular Filtration Systems

A modular filtration system which is easy to use, modify, and install. Its rotational and patented head design makes the Krystal Guard the most flexible system available. The reusable stainless steel canister ensures a high quality appearance, and the disposable polypropylene cartridge makes this unit environmentally friendly. The Krystal Guard offers four different systems that can treat from 21,000-84,000 gallons of water.

<b>Single System (TOP)</b>	<b>4611-10</b>	<b>Triple System</b>	<b>4611-30</b>
<b>Single System (STOP)</b>	<b>4611-11</b>	<b>Quad System</b>	<b>4611-40</b>
<b>Double System (TOP)</b>	<b>4611-20</b>		
<b>Double System (STOP)</b>	<b>4611-21</b>		

### Replacement Cartridges

<b>Taste, Odor, &amp; Particulate Reduction Cartridge</b>	<b>4611-00 (TOP)</b>
<b>Scale, Taste, Odor, &amp; Particulate Reduction Cartridge</b>	<b>4611-01 (STOP)</b>



## 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 K0070 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.

<b>C0070 Primary Cartridge</b>	<b>4610-26</b>
<b>CTL-10</b>	<b>4610-21</b>
<b>CTL-20</b>	<b>4610-23</b>
<b>CTL 220</b>	<b>4610-30</b>

**Nu-Calgon has a 60+ year history of leadership and innovation in the air conditioning, refrigeration, plumbing, heating and food service market. Over this span of time, we have introduced:**

- **Micromet®:** the first food-grade scale and corrosion inhibitor.
- **CalClean®:** the industry's first coil cleaner.
- **Gas Leak Detector:** the industry's first comprehensive chemical leak detector.
- **Thermo-Trap®:** one of the oldest and widest sold heat absorbing paste products.
- **Zerol®:** the industry's first alkylbenzene lubricant.
- **Nickel-Safe Ice Machine Cleaner:** the industry's first cleaner for nickel-plated evaporators.
- **Alka-Brite®:** the industry's first alkaline foaming coil cleaner.
- **Coil Gun®:** the industry's first hose-end sprayer designed specifically for coil cleaners.
- **Nu-Brite®:** the industry's #1 selling coil cleaner.
- **Rx11-flush®:** the industry's most effective solution for system and line set flushing.
- **Zerol® Ice:** a revolutionary energy-saving product.

## **Nu-Calgon 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. (1 hour)  
NATE Recognition Classes: 1 hour Continuing Education Accreditation  
 NATE-Recognized Training Provider
- **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. (1 hour)

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. (1.5 hours)

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. (1 hour)

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. (1.5-3 hours)

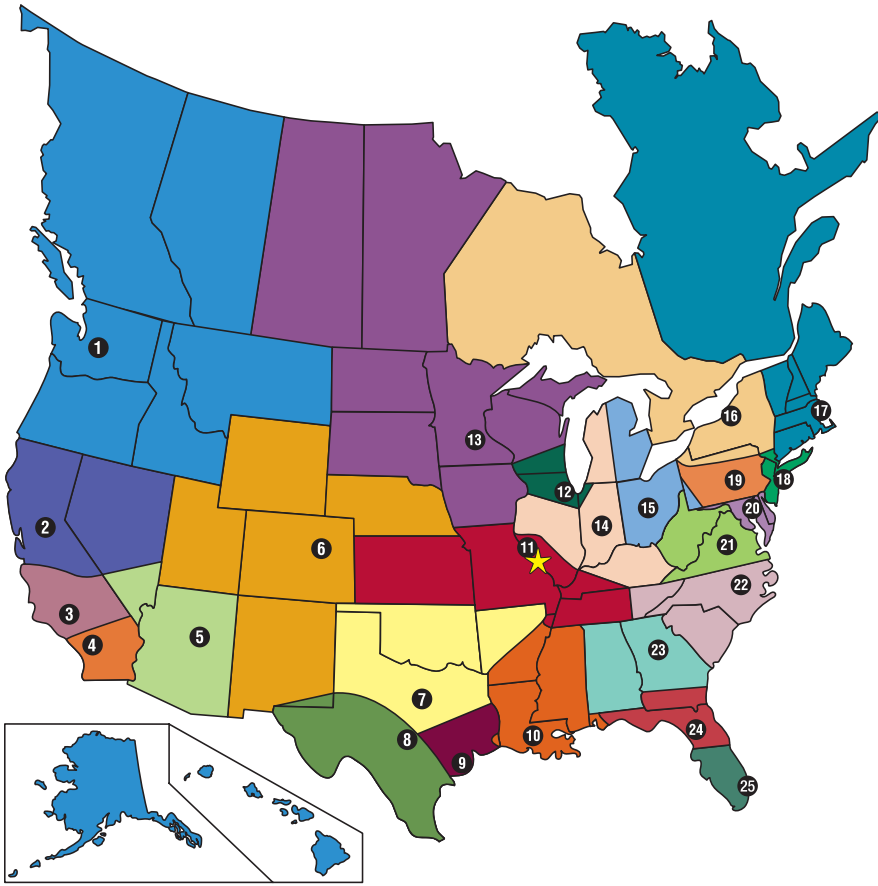
NATE Recognition Classes: 1.5 hours Continuing Education Accreditation



- **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)

**Take advantage of one of Nu-Calgon's free seminars and training classes.**



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