



TRANE[®] Supply

Nu-Calgon



- Coil Cleaners •
- Indoor Air Quality •
- Total System Protection •
- Refrigeration Oils •
- Water Treatment •
- Glycols •
- Specialty Aerosols •
- Insulation Products •
- Specialty Products •
- Plumbing Products •
- Water Filtration •

Quality Products for
**Air Conditioning,
 Refrigeration & Heating**

Coil Cleaners and Sprayers	1-6	Water Treatment	14-17	Gas Leak Detectors	25
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Nu-Calgon's Coil Cleaner Selection Guide		Cal-Blast®		Sediment Cartridge	
Indoor Air Quality	7	Nu-Blast®		6R Micromet® Cartridge	
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CompleteCare Mini-Split Kit		Break-n-Lube™		NP Series Brackets	
Bio-Fresh® cd		Food-Grade Silicone		Water Filtration - Nu-Plus® by Everpure®	30-35
Bio-Fresh® Fogger		V-Belt Dressing		Heads:	
PanPads		Pan-Spray®		QL3B Head	
Pan-Treat®		Nu-Shield™		QC71 Heads	
Gel Tabs		Pipe-Dri®		Systems:	
Total System Protection	8-11	Nu-Kill® II Wasp and Hornet Killer		MRS-20 Reverse Osmosis System	
Rx11-flush®		Pump Protector		Kleensteam CT and Kleensteam II	
Rx11-flush® Liquid		Zinc Rich Cold Galvanizing		Highflow CSR Manifold with Prefilter	
Rx11-flush® Accessories		Spray-n-Bond™		Coldrink/Insurice Systems	
Rx-Acid Scavenger®		Spray Adhesive		Cartridges:	
Phase III® Refrigeration Oil Acid Test		Electrical Contact Cleaner		nu-i2000 ² and nu-i4000 ²	
A/C Re-New		Degreasing Solvent EF		nu-MC ² and nu-XC ²	
A/C EasySeal, A/C ES-SS, A/C ES-XL		Insulation Products	22-23	BH ² and OCS ² Cartridge	
A/C EasyDry		Perma-Wrap™		OW200L and OW4 ^{Plus} Cartridge	
Refrigeration Oil & Vacuum Pump Oil	12-13	Foam-Tite®		7CB5 and nu-7CB5-S	
C-3s, C-4s, C-5s Refrigeration Oil		Cork Tape		4CB5 and 4CB5-S Cartridge	
Emkarate® RL Lubricant (POE)		Cork-Tite®		7SO Softening Cartridge	
Polyvinyl Ether Lubricant (PVE)		Foam Tape PE		Nu-Plus CU and Nu-Plus CU-S	
Zerol® Alkylbenzene Refrigeration Oil		Sealing and Caulking Cords		Other Filtration Products:	
Refrigeration Oil Charging Pump		Thumb-Tite®		Nu-Plus 10" and 20" Coarse Prefilters	
Total Lube Refrigeration Oil Test Kit		Nu-Foam®		Nu-Plus EC110 and EC210	
Oil Refractometer		Specialty Products	23-24	SRX Scale Inhibitor Feeder	
CanVerter®		Visible Defects Kit		Nu-Plus IMF-7 and IMF-10	
Cal-Vac™ Vacuum Pump Oil		Quick Seal™ Repair Tapes		4JT Flushing/Sanitizing Cartridge	
Water Treatment	14-17	Great Wipes		ScaleKleen™ Scale Remover	
Liquid Scale Dissolver		Scrubs-In-A-Bucket® HVAC80		New Filtration Technology:	
Eco-Lyme		Quick Seal™ Pipe Repair		7S1, 4SI, 4FC, 7FC, 4FC-S, 7FC-S,	
Season Start®		Degreasing Solvent EF		and 7CLM Cartridges	
Vital-Flo®		Pneu-flush®		Claris Cartridges and Head	
No. 31-TX1 Acid Pump		Thermo-Trap®		Nu-Calgon Training Seminars	36
HK-31 Hose Kit		Gas Leak Detectors	25		
Season Treat		Cal-Blue® Plus Gas Leak Detector			
Ty-Ion® C70		Cal-Blue® LT Gas Leak Detector			
No. 340 Liquid Scale Inhibitor					

Same Quality Products, Brand New Look.

Look for the new package labels on your favorite Nu-Calgon products.



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. The liquid versions are USDA approved and NSF registered.

	NuCalgon #	Mnemonic	
18 ounce can	4291-18	CHM00589	
1 gallon bottle	4291-08	CHM00393	NSF
2.5 gallon pail	4291-05	CHM01095 (pallet)	
55 gallon drum	4291-01	CHM00395	



Foam-Brite®

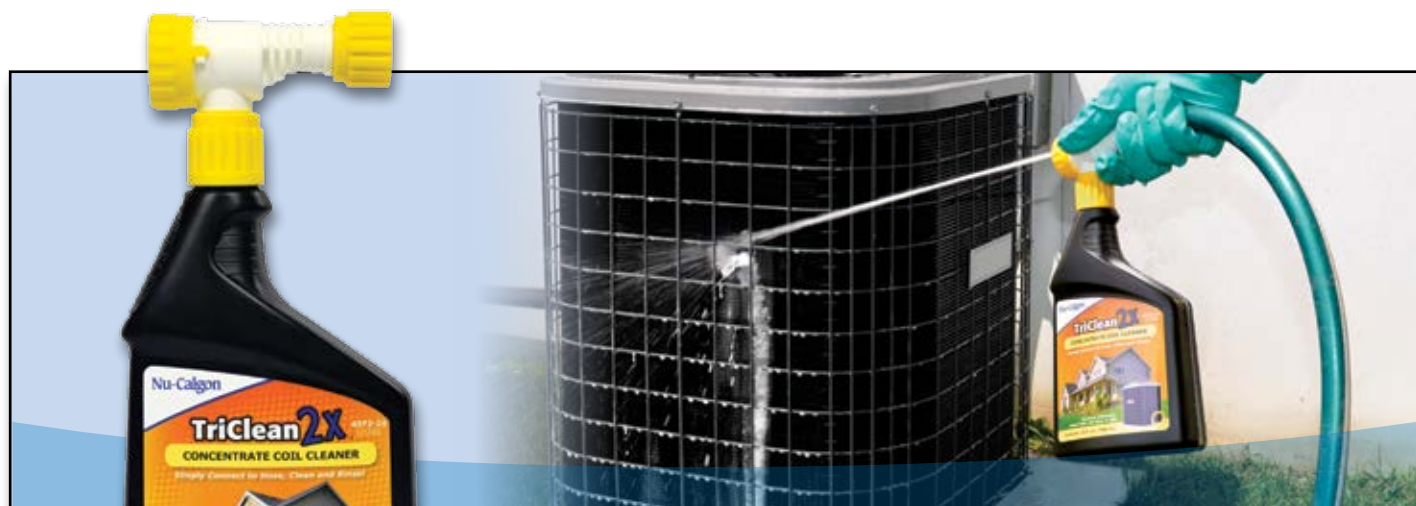
The ultimate in foaming alkaline cleaners. It provides for excellent cleaning and brightening, and at the same time provides tremendous foaming to push dirt and grime out of the coil. Can easily be used in place of the more dangerous HF acid-based products. Biodegradable. NSF registered.

	NuCalgon #	Mnemonic	
1 gallon bottle	4178-08	CHM00355	NSF
2.5 gallon pail	4178-05	CHM00356	
55 gallon drum	4178-01	CHM00357	

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. NSF registered.

	NuCalgon #	Mnemonic	
1 gallon bottle	4120-08	CHM00332	NSF
55 gallon drum	4120-01	CHM00334	



TriClean 2x™

The new way to clean a condenser coil. Simply connect to hose, clean, and rinse. TriClean 2x is metal-safe, designed for rapid emulsion of soils from the coil. Restores efficiency and is ideal for painted fin and microchannel coils.

	NuCalgon #	Mnemonic	NSF
1 quart sprayer with hose connector	4372-24	CHM01010	NSF



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's versatility is based upon glycolic acid and other unique ingredients. It provides moderate foaming and brightening and is safe for use indoors as well as outdoors. It's particularly suitable when lime scale must be removed from outdoor coils.

	NuCalgon #	Mnemonic
1 gallon bottle	4133-08	CHM00521 (Canada)
55 gallon drum	4133-01	CHM00440



CalClean®

CHM00342

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 Aerosol is NSF registered. Also great for microchannel coils.

	NuCalgon #	Mnemonic	NSF
20 ounce can	4081-75	CHM00324	NSF
1 gallon bottle	4135-08	CHM00341	
2.5 gallon pail	4135-06	CHM00342	
55 gallon drum	4135-01	CHM00343	



Special HD CalClean®

The best non-foaming cleaner available. Specifically formulated to remove tobacco tars from electronic air cleaners as well as the most stubborn deposits from finned coils. USDA approved. Also great for microchannel coils.

	NuCalgon #	Mnemonic
1 gallon bottle	4143-08	CHM00344
2.5 gallon pail	4143-06	CHM00345
55 gallon drum	4143-01	CHM00346



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. NSF registered. Also great for microchannel coils.

	NuCalgon #	Mnemonic
1 gallon bottle	4371-88	CHM00525 (Canada)
55 gallon drum	4371-81	CHM00443



Evap-Fresh® No Rinse 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.

	NuCalgon #	Mnemonic
18 ounce can	4166-75	CHM00708
1 gallon bottle	4166-08	CHM00707

The following products are part of Nu-Calgon's Environmentally Friendly Green Select line. They have been recognized by the EPA's Design for the Environment program, which tests and identifies products that are safer for the environment.



Cal-Green™ Condenser Cleaner

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. Also great for microchannel coils.

	NuCalgon #	Mnemonic
1 gallon bottle	4190-08	CHM00764
55 gallon drum	4190-01	CHM00831



Evap-Green™ Evaporator Cleaner

Evap-Green is a 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. Also great for microchannel coils.

	NuCalgon #	Mnemonic
1 gallon bottle	4191-08	CHM00765
55 gallon drum	4191-01	CHM00820



Green Clean

A pleasantly scented, all-purpose, environmental friendly 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. Also great for microchannel coils.

	NuCalgon #	Mnemonic
1 quart spray bottle	4186-24	CHM00367
1 gallon bottle	4186-08	CHM00368
55 gallon drum	4186-01	CHM01096

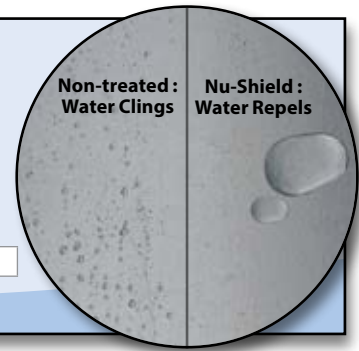
NEW



Nu-Shield™

Nu-Shield, the newest generation of chemistry for protecting coils and other surfaces, is a super-hydrophobic (water repelling) product. The non-conductive formula has numerous applications in the management of water on non-food, non-potable water surfaces for the HVAC/R trade. Simply spray it on and watch the water bead up and roll right off.

9 ounce can	4294-75	CHM01116
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Evap Pow'r®-C

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. Also great for microchannel coils.

	NuCalgon #	Mnemonic
1 gallon bottle	4168-08	CHM00351
2.5 gallon pail	4168-05	CHM00352
55 gallon drum	4168-01	CHM00747



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 registered.

	NuCalgon #	Mnemonic
18 ounce can	4171-75	CHM00354



Nu-Blast®

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.

	NuCalgon #	Mnemonic
18 ounce can	4290-75	CHM00392



Cal-Blast®

Cal-Blast is a no rinse condenser cleaner that will powerfully separate undesirable materials from the surface, offering maximum cleaning of finned coils. It's a high performance aerosol with excellent solvency and blasting spray.

	NuCalgon #	Mnemonic
20 ounce can	4132-20	CHM00988



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.

	NuCalgon #	Mnemonic
1 quart spray bottle	4148-32	CHM00348
1 gallon bottle	4148-08	CHM00349





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	DST00857
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Coil Gun® Probe

The Coil Gun Probe is a time saving accessory for use with the Coil Gun. Its 90° direction of spray allows cleaning from inside the coil. It also provides easy access in tough to reach locations to discharge debris and emulsified grime in an outwardly direction from the coil.

1 each	4774-1	TOL03931
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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	DST00852
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No. 100P 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.

1 each	4770-2	DST00853
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No. 200P HiPressure Poly Sprayer

The No. 200P HiPressure 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	DST00854
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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	DST00855
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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	DST00856
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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	DST00851
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	NU-BRITE®	NU-BRITE®	FOAM-BRITE®	ALKA-BRITE® PLUS	CAL-BRITE®	SPECIAL HD CALCLEAN®	CALCLEAN®	CALCLEAN®	NU-BLAST®	TRICLEAN 2X	NU-SHIELD							
EQUIPMENT USED ON																		
Condenser Coils	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
Evaporator Coils	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
Permanent Filters	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
Electronic Air Filters	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
Small Condenser Coils	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
Small Evaporator Coils	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
Fan Blades, Motors, Etc.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
Microchannel Coils	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
FORMULATED TO REMOVE																		
Greasy Dirt & Oil	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
Cooking Grease	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
Lint, Dust, Dirt & Grime	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
Tobacco Tars	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
Oxide (Corrosion) Deposits	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
Cottonwood/ Bugs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
FEATURES & BENEFITS																		
Product Type	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Solvent	Alkaline	Solvent	Alkaline	Protectant	Protectant
Foaming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Brightening	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Degreasing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Disinfectant	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Non-Rinsing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Coil Protection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Biodegradable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USDA Authorized	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EPA Registered	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NSF Registered	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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



Evap-Fresh® No Rinse 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 and other viruses such as Norwalk, Rhoto, Hepatitis, Rabies MRSA, and more.

	NuCalgon #	Mnemonic
18 ounce can	4166-75	CHM00708
1 gallon bottle	4166-08	CHM00707



CompleteCare Mini-Split Kit

The CompleteCare Mini-Split Kit cleans, disinfects, and deodorizes mini-splits, as well as controls mold and mildew. It also protects condensate pans and lines from plugging. Each kit treats 2-3 mini-splits.

	NuCalgon #	Mnemonic
1 each	4151-08	KIT16785



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.

	NuCalgon #	Mnemonic
1 quart spray bottle	4126-34	CHM00335
1 gallon bottle	4126-38	CHM00336



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. The product is EPA registered for this application. NSF registered.

	NuCalgon #	Mnemonic
5 (up to 5 tons)	4295-34	CHM00464
5 Slim (up to 5 tons)	4295-36	CHM00711
15 (up to 15 tons)	4296-24	CHM00465
45 (up to 45 tons)	4296-45	CHM00466



Pan-Treat®

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

	NuCalgon #	Mnemonic
1 bottle (200 tablets)	4296-60	CHM00469



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.

	NuCalgon #	Mnemonic
3 ton tab (12 in tube)	4185-03	CHM00749
3 ton tab BULK (200)	4185-04	CHM01112
5 ton tab (6 in tube)	4185-05	CHM00750
15 ton tab (1 each)	4185-15	CHM00751
20 ton tab (1 each)	4185-20	CHM00752

Rx11-flush®

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



Rx11-flush®

Rx11-flush is a unique solvent engineered specifically for flushing refrigeration and air conditioning systems. Rx11-flush is ozone-safe, non-toxic, and non-flammable. Used exactly like the old R-11 flushing process, its patented HFC based solvent formulation is powerful enough to flush away sludge, carbon residues, oils, acids, water and other particulate. Rx11-flush is ideal for system flushing after burnouts, during retrofits and for flushing line sets for R-410A conversions. Rx11-flush has been the industry's standard for over a decade and contractors agree, it's the best flush for R-410A retrofits and after compressor burnouts.

Benefits of Rx11-flush

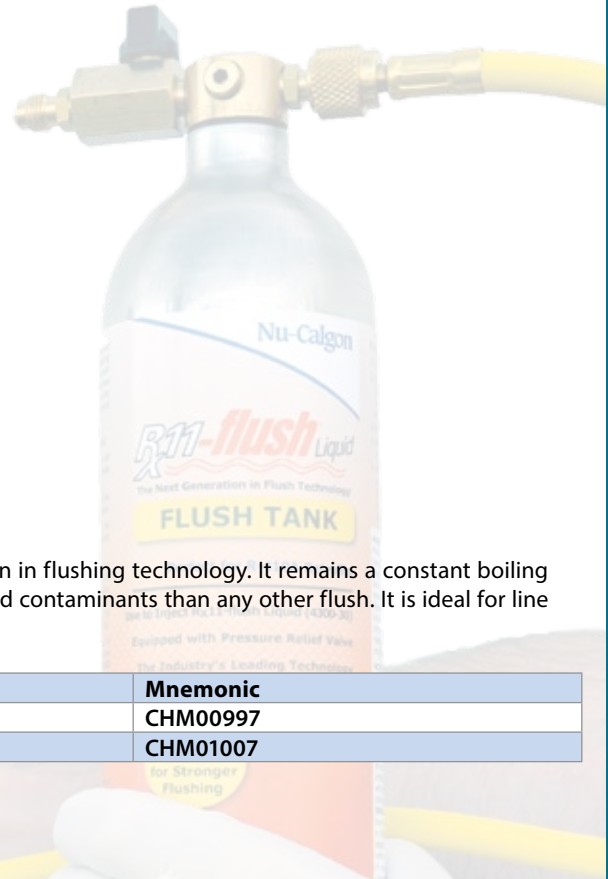
- Optimal boiling point enhances complete evacuation of flush
- No oily residue left behind
- Safe, nontoxic, and nonflammable
- Formulated with patented solvent technology
- Approved as part of the U.S. EPA's Significant New Alternatives Policy (SNAP) Program
- Over a decade of proven success
- Convenient pressurized package size

Amount of Rx11-flush Needed

- **Up to 1/2" tubing:** Use a 20-30 second burst of Rx11-flush through each line for every 50 feet. For the 13 and 26 pound cylinders, use a 7-10 second burst.
 - **Up to 7/8" tubing:** Use a 60-90 second burst of Rx11-flush through each line for every 50 feet. For the 13 and 26 pound cylinders, use a 20-30 second burst.
- Oil load, line configuration, etc. will impact how much flush is needed.

		NuCalgon #	Mnemonic
Rx11-flush Starter Kit	Contains a 1 lb. canister, Rx11-flush Gun and Hose, and Injection Valve	4300-08	CHM00826
1 lb. canister	Recommended for a 3-4 ton system	4300-09	CHM00510
2+1 Display Pack	Contains one Injection Valve and two 2 lb. canisters	4300-10	CHM00409
2 lb. canister	Recommended for a 5-7 ton system	4300-11	CHM00410
13 lb. canister	Recommended for up to 50 ton system	4300-15	CHM00411
26 lb. canister	Recommended for systems over 50 tons	4300-26	CHM00858

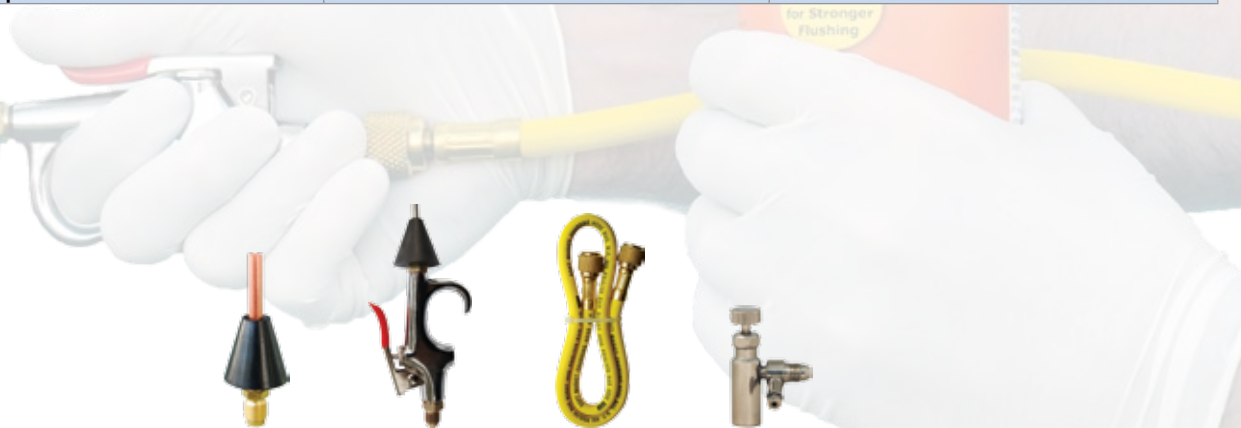
Rx11-flush[®] Liquid



Rx11-flush[®] Liquid

Rx11-flush Liquid is a new and improved chemistry that is the next generation in flushing technology. It remains a constant boiling solvent and is now stronger, faster acting and dissolves more oil, moisture and contaminants than any other flush. It is ideal for line sets, burnouts and other flushing requirements.

	NuCalgon #	Mnemonic
19.5 ounce can	4300-30	CHM00997
Rx11-flush Liquid Starter Kit	4300-38	CHM01007



Rx11-flush[®] Accessories

The Rx11-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 Rx11-flush Gun with a built-in flushing attachment and the Rx11-flush Hose (24") are available.

	NuCalgon #	Mnemonic
Flushing Tool	4300-50	TOL02895
Rx11-flush Gun	4300-51	TOL03326
Rx11-flush Hose (24")	4300-52	HSE01611
Injection Valve	4300-89	TOL03481

(Injection Valve fits Pneu-flush[®], A/C Re-New, and pressurized Rx-Acid Scavenger as well)



R_x-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. In addition, the Rx-Acid Scavenger can be used with all lubricants: mineral, alkylbenzene and polyol ester. Now available in a pressurized can for easy injection into charged systems or hermetically sealed systems.

	NuCalgon #	Mnemonic
2 fluid ounce unpressurized bottle	4301-02	CHM00413
3.8 ounce pressurized can	4301-05	CHM00995
Injection Valve	4300-89	TOL03481

(Injection Valve fits R_x11-flush, Pneu-flush®, and A/C Re-New as well)



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	CHM00414
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How to Test Oil with Phase III

1. Pour the solution from the small bottle into the large bottle. The bottom layer of this mixture will be purple.
2. Completely fill the small bottle with oil from the unit being tested. Do this immediately after the oil is removed from the crankcase since exposure to air will contaminate the oil and give a false test result.
3. Pour the oil into the large bottle and shake well.
4. Wait two to three minutes. A phase separation will develop as the oil rises to the top of the mixture and an aqueous layer forms on the bottom.
5. If the bottom layer:
 - Stays purple**- the oil is satisfactory.
 - Turns light pink or loses color completely**- the oil is contaminated.



Good Oil Bad Oil



A/C Re-New

A/C Re-New is a highly formulated product that has established an outstanding track record enhancing the performance of air conditioning and refrigeration systems. A/C Re-New quiets noisy compressors, reduces energy consumption by lowering starting and running amps, and improves heat transfer in the evaporator and condenser. It's great for new and old systems.

	NuCalgon #	Mnemonic
1 quart can	4057-54	CHM01313
4 fluid ounce can	4057-55	CHM00834
A/C Re-New Injector Tool - for 4 ounce can	4057-99	TOL03769

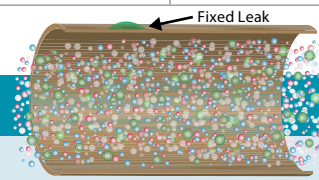
A/C EasySeal



A/C EasySeal

A/C EasySeal prevents and seals 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. 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.

		NuCalgon #	Mnemonic
A/C EasySeal	3 ounce pressurized can - treats 1.5 to 5 ton systems	4050-06	CHM00814
A/C EasySeal-SS	1.25 ounce pressurized can - treats fractional to 1.5 ton systems	4050-01	CHM00825
"2+1" Display Pack	2 cans of A/C EasySeal and an A/C Piercing Valve and Hose	4050-02	CHM00813
A/C EasySeal-XL	Treats systems with refrigerant charge of 125 lbs. – 250 lbs.	4050-10	CHM01117
A/C Piercing Valve and Hose		4051-99	HSE01610



Frequently Asked Questions

Once in the system, how does A/C EasySeal behave?

It travels with the refrigerant, behaving much like a vapor or mist.

How long will A/C EasySeal remain in a system?

Indefinitely or until the system's refrigerant is removed.

How much A/C EasySeal should I use?

Generally, one can of A/C EasySeal should be used in 1.5 to 5 ton systems. A/C EasySeal-SS should be used in small fractional horsepower systems under 1.5 tons or 18,000 Btu/h and can also be used to seal leaks in automotive A/C systems. Ultimately, the size of the leak, not the system's tonnage, will determine how much sealant is needed.

How large of a refrigerant leak will A/C EasySeal repair?

Generally, if the system doesn't leak its entire charge in 7 days, A/C EasySeal will repair it.

How does A/C EasySeal work?

It is activated by moisture or air, both of which will exist at a leak. Once activated, it forms a permanent epoxy-like seal at the site of the leak. Its behavior is similar to blood clotting to form a scab.

What if there is moisture in the system?

At industry accepted levels of moisture*, A/C EasySeal will not react within the system due to the very low amount of moisture in circulation. A/C EasySeal is designed to react at higher levels of moisture saturation (relative humidity) found at a leak site, not at sparse moisture levels found in most systems. If moisture is suspected or determined to be above these accepted levels, use A/C EasyDry 20 minutes prior to addressing the leak with A/C EasySeal.

* For POE lubricant systems: <100 ppm
For mineral/alkylbenzene lubricant systems: <50 ppm



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.

	NuCalgon #	Mnemonic
3 ounce pressurized can	4051-06	CHM00815
A/C Piercing Valve and Hose	4051-99	HSE01610



Emkarate® RL Lubricant

The Emkarate family of polyol ester refrigeration lubricants are designed specifically for use with HFC refrigerants. They are available in a range of viscosities. 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.

Emkarate RL	Viscosity	1 Quart		1 Gallon		5 Gallon		53 Gallon	
22H	100 SUS			4313-46	OIL00182				
32H	150 SUS	4314-44	OIL00192	4314-46	OIL00323	4314-45	OIL00191	4314-41	OIL00189
32HB	150 SUS					4314-62	Call for quote		
32-3MAF	150 SUS	4314-64	OIL00194	4314-66	OIL00196	4314-65	OIL00195	4314-67	Call for quote
46H	200 SUS			4315-46	OIL00152			4315-41	Call for quote
68H	300 SUS	4316-44	OIL00187	4316-46	OIL00188	4316-45	OIL00197	4316-41	OIL00172
68HB	300 SUS			4316-86	OIL00200	4316-85	Call for quote		
68HP	300 SUS			4316-76	OIL00177			4316-71	Call for quote
100E	500 SUS			4317-66	OIL00199			4317-61	OIL00304
170H	850 SUS			4318-26	OIL00201	4318-25	Call for quote	4318-21	Call for quote
220H+	1100 SUS			4318-66	OIL00180	4318-65	OIL00183	4318-61	OIL00316
220XL	1100 SUS					4318-75	Call for quote		

Mineral Oil



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 ensure continued efficient operation, providing the important properties required from an efficient refrigeration oil.

Nu-Calgon	Viscosity	1 Gallon (NuCalgon #, Mnemonic)		5 Gallon (NuCalgon #, Mnemonic)		55 Gallon (NuCalgon #, Mnemonic)	
C-3s	150 SUS	4303-07	OIL00153	4303-05	OIL00109	4303-01	OIL00110
C-4s	300 SUS	4304-07	OIL00111	4304-05	OIL00112	4304-01	OIL00113
C-5s	500 SUS	4305-07	OIL00114			4305-01	OIL00115

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	1 Quart (NuCalgon #, Mnemonic)	
FVC32D	32 SUS	4319-14	OIL00305
FVC68D	68 SUS	4319-24	OIL00307



Zerol® Alkylbenzene Refrigeration Oil

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 R-22 and other HCFC blends such as 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.

Zerol	Viscosity	1 Gallon (NuCalgon #, Mnemonic)		5 Gallon (NuCalgon #, Mnemonic)		55 Gallon (NuCalgon #, Mnemonic)	
150	150 SUS	4310-07	OIL00119			4310-01	OIL00121
200TD	200 SUS	4308-07	OIL00198			4308-01	OIL00118
300	300 SUS	4311-07	OIL00122	4311-05	OIL00123	4311-01	OIL00124
400CA	400 SUS			4311-65	OIL00125		
500	500 SUS			4312-05	OIL00126		

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.

	NuCalgon #	Mnemonic
1 pint bottle	4383-34	OIL00137
1 quart bottle	4383-24	OIL00138
1 gallon bottle	4383-07	OIL00139

Refrigeration Oil Products



Refrigeration Oil Charging Pump

An oil pump for charging refrigeration oil into a system, even while it's running. This pump can be used for 1 gallon, 2.5 gallon, and 5 gallon containers. Incorporates an automatic bleed valve that keeps pressure equalized inside the container, and includes a tapered rubber adapter that fits all container openings without the need for additional adaptors.

1 each	4814-40	TOL03960
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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	KIT15618
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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	MTR00896
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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	PMP01624
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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.

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.

	NuCalgon #	Mnemonic
1 gallon bottle	4330-08	CHM00415
2.5 gallon pail	4330-03	CHM00986
5 gallon pail	4330-05	CHM00416
55 gallon drum	4330-01	CHM01312



Eco-Lyme®

Eco-Lyme is a new chemistry for the HVAC/R market that provides a unique blend of performance with a desired eco-profile. The product is specially formulated to achieve descaling behavior of competing hydrochloric acid based chemistry descalers. However, the active ingredient is substantially safer on equipment metals. Eco-Lyme is ideal for stainless steel construction to eliminate potential issues of localized corrosion/pitting caused by repeated use of hydrochloric acid. Eco-Lyme is odorless; making it safer to use in the field. NSF registered.

	NuCalgon #	Mnemonic
1 gallon bottle	4167-08	CHM01001
5 gallon pail	4167-05	CHM01003
55 gallon drum	4167-01	CHM01004



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.

	NuCalgon #	Mnemonic
10 lb. container	4360-88	CHM00421
50 lb. pail	4360-84	CHM00420

Initial Dosage Recommendation			
Tons of Horsepower	Liquid Scale Dissolver	Eco-Lyme	Season Start
10	2 gallons	4 gallons	10 lbs.
30	5 gallons	10 gallons	30 lbs.
50	10 gallons	20 gallons	50 lbs.
90	15 gallons	30 gallons	75 lbs.



Vital-Flo® Tankless Water Heater Descaler Kit

The Vital-Flo Tankless Water Heater Descaler Kit is a complete service tool for descaling tankless water heaters. It consists of a submersible descaler pump, a set of five foot 3/4" female hose threaded assemblies, formulated descaler solution packaged in a lidded four gallon chemical resistant container. The solution is also available separately. NSF registered.

	NuCalgon #	Mnemonic
Vital-Flo Kit	4387-01	CHM00991
Vital-Flo Descaler Solution	4387-02	CHM00992



Feeding Equipment



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	PMP01622
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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	KIT08258
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Scale Prevention



Season Treat (6R Micromet®)

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	CHM00422
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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.

	NuCalgon #	Mnemonic
5 gallon pail	7597-05	CHM00430
15 gallon pail	7597-P3	CHM00431



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.

	NuCalgon #	Mnemonic
1 gallon bottle	4340-08	CHM00417
5 gallon pail	4340-05	CHM00418
55 gallon drum	4340-01	CHM00419

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



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	CHM00350
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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

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	CHM00328
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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	CHM00331
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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-Pro™

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

1 each	4190-02	FLR07023
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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	CHM00842
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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.

	NuCalgon #	Mnemonic
1 each (coolers up to 6,500 cfm)	4173-04	CHM00709
1 each (coolers up to 10,000 cfm)	4173-06	CHM00710



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	BOT00013
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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.

	NuCalgon #	Mnemonic
No. 215 Drip Feeder	4669-W3	DST00846
No. 1075 Drip Feeder	4670-W3	DST00847



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.

	NuCalgon #	Mnemonic
1 gallon holder	4606-0	BRK03277
5 gallon holder	4607-0	BRK03278



CMS III and 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.

	NuCalgon #	Mnemonic
CMS III	4608-0	PMP01901
CMS IV	4608-4	MON00016



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.

	NuCalgon #	Mnemonic
No. 20L Feeder	4628-0	TNK00873
No. 100L Feeder	4650-0	TNK00874



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	MTR00895
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Freez-Kontr'l®

An expanded family of heat transfer fluids (anti-freeze) based upon non-toxic propylene glycol. All products are fully formulated to provide optimum freeze protection as well as corrosion protection in chilled water, hydronic and other closed systems. Safe to use where contact with potable water is possible. (GRAS certified- generally regarded as safe.)

- Freez-Kontr'l - provides greater than -60°F freeze protection and greater than -100°F burst protection
- Freez-Kontr'l 95/5 - a fully concentrated (~100%), inhibited propylene glycol product
- Freez-Kontr'l 35 - formulated with 35% propylene glycol for use as a secondary coolant in supermarket rack applications
- Freez-Kontr'l FG - a certified USP, food grade propylene glycol product at ~100% concentration. Inhibited. NSF registered.

		NuCalgon #	Mnemonic
Freez-Kontr'l	1 gallon bottle	4188-07	CHM00370
	5 gallon pail	4188-05	CHM00371
	55 gallon drum	4188-02	CHM00372
Freez-Kontr'l 95/5	5 gallon pail	4188-06	CHM00996
	55 gallon drum	4188-03	CHM00998
Freez-Kontr'l 35	55 gallon drum	4188-35	CHM01025
Freez-Kontr'l FG	55 gallon drum	4188-04	CHM00994



Burst-Kontr'l® AP-100

A specially formulated propylene glycol heat transfer solution for use in boilers having aluminum heat exchangers. It has corrosion inhibitors to protect aluminum, copper, solder, brass, and steel as well. Provides burst protection to -100°F and freeze protection to -60°F.

	NuCalgon #	Mnemonic
5 gallon pail	4187-15	CHM00857
55 gallon drum	4187-01	Call for quote

Ethylene Glycol



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.

	NuCalgon #	Mnemonic
1 gallon bottle	4189-07	CHM00373
5 gallon pail	4189-05	CHM00374
55 gallon drum	4189-01	CHM00375



Glycol Refractometer

An accurate and economical tool for ensuring proper levels of glycol treatment in HVAC fluid systems. Removes guess work and prevents wasteful over-treatment. It has metal body with cushioned eyepiece, focus adjustment, and a rubber hand grip. A calibration screwdriver, calibration fluid, a plastic pipette, optical cleaning cloth, and a rugged carrying case are included.

1 each	61301	MTR01429
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Glycol/ Oil Transfer Pump

Heavy-duty pump designed to transfer Freez-Kontr'l®, Freez-Therm®, or oil products (up to 1000 sus) from Nu-Calgon supplied 55 gallon drums to their application.

1 each	4817-0	PMP02077
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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.

	NuCalgon #	Mnemonic
1 quart bottle	4390-32	CHM00590
1 gallon bottle	4390-08	CHM00591



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	CHM00428
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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	CHM00427
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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	CHM00470
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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 registered.

18 ounce can

4171-75

CHM00354



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

CHM00589



Evap-Fresh® No Rinse

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

CHM00708



Cal-Blast®

Cal-Blast is a no rinse condenser cleaner that will powerfully separate undesirable materials from the surface, offering maximum cleaning of finned coils. It's a high performance aerosol with excellent solvency and blasting spray.

20 ounce can

4132-20

CHM00988



Nu-Blast®

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

CHM00392

Aerosol Lubricants



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 registered.

20 ounce can

4081-75

CHM00324



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

CHM00706



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.

11 ounce can

4084-03

LUB00055



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

CHM00326



Pan-Spray®

Pan-Spray is an effective, easy-to-use waterproof 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.

	NuCalgon #	Mnemonic
16 ounce can - White	4296-50	CHM00492
16 ounce can - Black	4296-51	CHM00632



Nu-Shield™

Nu-Shield, the newest generation of chemistry for protecting coils and other surfaces, is a super-hydrophobic (water repelling) product. The non-conductive formula has numerous applications in the management of water on non-food, non-potable water surfaces for the HVAC/R trade. Simply spray it on and watch the water bead up and roll right off.

9 ounce can	4294-75	CHM01116
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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 waterproof coating. Pipe-Dri makes it possible to insulate hard to reach areas.

18 ounce can	4297-75	CHM00401
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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	CHM00463
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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	CHM00406
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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.

13 ounce can	4087-03	CHM00327
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Aerosol 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	ADH00030
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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.

12 ounce can	4080-04	ADH00028
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Aerosol Industrial Products



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.

	NuCalgon #	Mnemonic
11 ounce can	4082-03	CHM00325
14 ounce can - LV *	4082-04	CHM00730

* LV = Low VOC for California

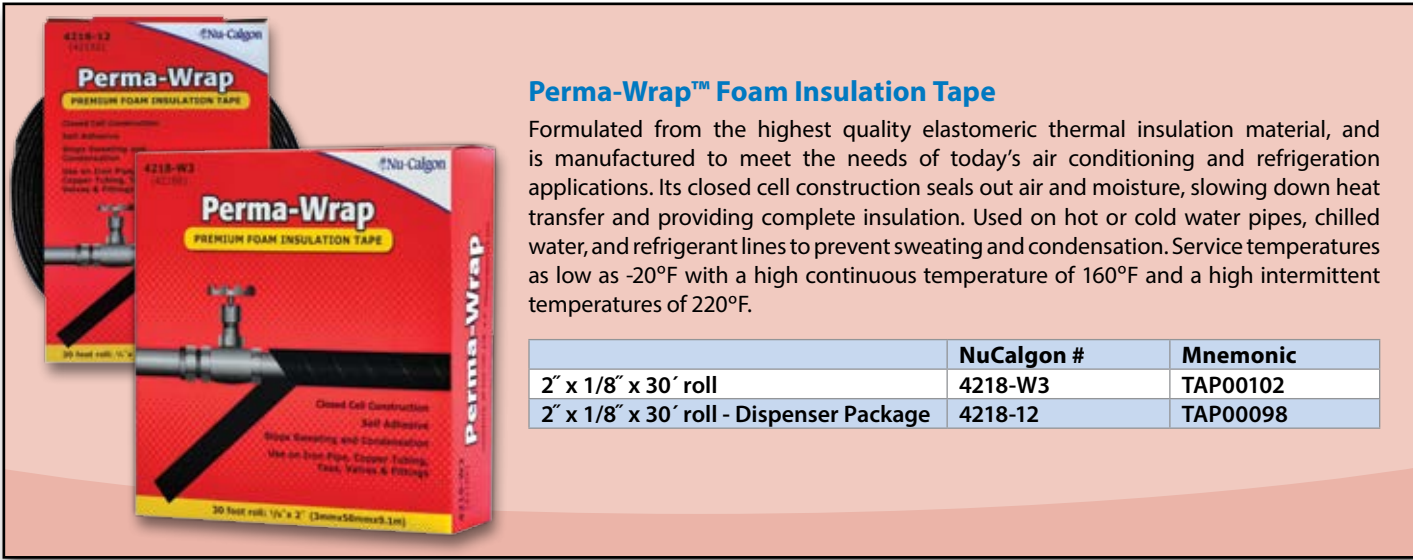


Degreasing Solvent EF

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.

	NuCalgon #	Mnemonic
14 ounce can	4083-75	SOV00045
14 ounce can - LV*	4083-83	SOV00057

* LV = Low VOC for California



Perma-Wrap™ Foam Insulation Tape

Formulated from the highest quality elastomeric thermal insulation material, and 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. Used on hot or cold water pipes, chilled water, and refrigerant lines to prevent sweating and condensation. Service temperatures as low as -20°F with a high continuous temperature of 160°F and a high intermittent temperatures of 220°F.

	NuCalgon #	Mnemonic
2" x 1/8" x 30' roll	4218-W3	TAP00102
2" x 1/8" x 30' roll - Dispenser Package	4218-12	TAP00098



Foam-Tite®

An economically priced tape 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. Service temperatures of -15°F to 160°F.

2" x 1/8" x 30' roll	4219-12	TAP00099
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Cork Tape

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. Also serves as an excellent insulator on hot pipes, and used as a gasketing material, a sound-deadening material, and for wrapping valves, tees, and fittings. Service at temperatures as low as -30°F, as high as 200°F and won't sag up to 350°F.

2" x 1/8" x 30' roll	4217-W3	CHM00383
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Cork-Tite®

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, 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 to +200°F.

2" x 1/8" x 30' roll	4217-12	TAP00113
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Foam Tape PE

Foam-Tape PE insulation tape provides an economical way to prevent sweating or condensation on air conditioning, refrigeration, chilled water or other cold lines. It can also be used on hot water lines for insulation against heat loss and it can be overlapped or the edges can be butted.

2" x 1/8" x 30' roll	4219-20	INS03378
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Sealing and Caulking Cords

Sealing and Caulking 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	CHM00380
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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	CHM00382
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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, and is UL classified and fire retardant.

	NuCalgon #	Mnemonic
12 ounce can	4293-04	CHM00396
20 ounce can	4293-75	CHM00397

Specialty Products



Visible Defects Heat Exchanger Inspection System

The Visible Defects Heat Exchanger Inspection System is a complete kit that enables the technician to better evaluate the integrity of a heat exchanger. If a crack exists, the specially formulated fluorescent penetrant visually enhancing the crack allowing the technician to see the crack easier.

	NuCalgon #	Mnemonic
Visible Defects Kit	4385-00	CHM01108
Visible Defects Replacement Solution	4385-06	CHM01109



Quick Seal™ Repair Tapes

Easy-to-use repair tapes, utilizing Micro Sealant™ Technology that will fuse between any two surfaces (except silicone) Will never harden, crack, peel, or fall off. These tapes can be used in a multitude of applications.

	NuCalgon #	Mnemonic
Double-Sided Putty Tape - 2" x 4' Roll	4299-20	SEL01157
Alumi-Tape - 3" x 25' Roll	4299-21	SEL01158
Black Roof Repair Tape - 3" x 25' Roll	4299-22	SEL01159
White Roof Repair Tape - 3" x 25' Roll	4299-23	SEL01160
Web Tape - 3" x 25' Roll	4299-24	SEL01161



Great Wipes

Great Wipes Industrial Strength Hand Towels are waterless wipes made specifically for the air conditioning, refrigeration, and plumbing service technician. Each premoistened, heavy duty towel has strong pumice scrubbing power that conveniently cleans anywhere and anytime.

75 count canister	4185-75	CHM00989
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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, anytime.

	NuCalgon #	Mnemonic
30 count canister	4366-24	CHM00423
80 count canister HVAC80	4366-87	CHM00424



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.

	NuCalgon #	Mnemonic
2' x 3' wrap	4299-10	CHM00407
4' x 12' wrap	4299-11	CHM00408



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.

	NuCalgon #	Mnemonic
1 gallon	4162-07	SOV00046
1 gallon - LV*	4162-17	SOV00058

* LV = Low VOC for California



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.

	NuCalgon #	Mnemonic
2 lb. canister	4298-01	CHM00830
Injection Valve	4300-89	TOL03481

(Injection Valve fits R_x11-flush®, A/C Re-New, and Pressurized R_x-Acid Scavenger 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, or fittings. USDA approved. Biodegradable. Available in paste as well as a gel.

		NuCalgon #	Mnemonic
Thermo-Trap Paste	11 ounce tube	4371-36	CHM00425
Thermo-Trap Gel	1 quart spray bottle	4371-32	CHM00781
Thermo-Trap Gel	4 fluid ounce spray bottle	4371-53	CHM00816



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.

	NuCalgon #	Mnemonic
6 ounce bottle with dauber	4182-53	CHM00360
1 quart spray bottle	4182-24	CHM00361
1 gallon bottle	4182-08	CHM00362



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.

	NuCalgon #	Mnemonic
1 quart spray bottle	4183-24	CHM00363
1 gallon bottle	4183-08	CHM00364



Gas Leak Detector

The original industry 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	CHM00358
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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.

	NuCalgon #	Mnemonic
8 ounce bottle with dauber	4184-53	CHM00839
1 quart spray bottle	4184-24	CHM00365
1 gallon bottle	4184-08	CHM00366



Vital-Flo® Tankless Water Heater Descaler Kit

The Vital-Flo Tankless Water Heater Descaler Kit is a complete service tool for descaling tankless water heaters. It consists of a submersible descaler pump, a set of five foot 3/4" female hose threaded assemblies, formulated descaler solution packaged in a lidded four gallon chemical resistant container. The solution is also available separately. NSF registered.

	NuCalgon #	Mnemonic	NSF
Vital-Flo Kit	4387-01	CHM00991	
Vital-Flo Descaler Solution	4387-02	CHM00992	



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.

	NuCalgon #	Mnemonic
1 quart	4134-24	CHM00338
1 gallon	4134-08	CHM00339



Drain Solve

Ideal for condensate pan drains. Drain Solve saves time and money with its ease of use. It eliminates application concerns associated with more reactive, fuming drain openers. Simply pour it down the drain and let it work without fear of noxious fumes or reactions. Does not contain sulfuric acid.

	NuCalgon #	Mnemonic	NSF
1 quart	4165-24	CHM00837	
1 gallon	4165-08	CHM00818	



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.

	NuCalgon #	Mnemonic
1 quart	4590-24	CHM00777
1 gallon	4590-08	CHM00778

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	KIT08264
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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	KIT08261
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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	KIT08262
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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	KIT08263
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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.

	NuCalgon #	Mnemonic
16 fluid ounce bottle	4287-34	CHM00390
1 gallon bottle	4287-08	CHM00391



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.

	NuCalgon #	Mnemonic	NSF
8 fluid ounce bottle	4207-47	CHM00377	NSF
1 gallon bottle	4207-08	CHM00378	



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	CHM00379
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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. Ice Guard AP provides 3-6 months protection for machines up to 1200 lbs. of ice per day. Mini Ice Guard AP that is designed to fit in machines with smaller sumps. It provides 3-4 months protection in machines up to 400 lbs. of ice per day.

	NuCalgon #	Mnemonic
Ice Guard® AP	4209-06	CHM00473
Mini Ice Guard® AP	4209-05	CHM00827



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 registered.

	NuCalgon #	Mnemonic
5 lb. container	4243-97	CHM00385
50 lb. pail	4243-84	CHM00386



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 registered.

51 lb. pail	4265-84	CHM00388	NSF
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CFS Filtration System

A family of replacement cartridges and manifolds designed to service existing CUNO® CFS installations.

A cost-effective water filtration system for food service applications: ice machines, fountain beverages, steam ovens, and drinking water. These systems offer manifold and sanitary quick change cartridges to fit the existing CUNO CFS brand installations and can also support new filtration installations. Nu-Plus CFS is the reliable choice for water filtration to prevent unwanted troubles caused by sediment, scale, or taste & odor existing in CUNO installations.

	NuCalgon #	Mnemonic		NuCalgon #	Mnemonic
Sediment - 5 Micron	4623-10	FLR07521	Single Head	4623-01	HED01009
Sediment - 5 Micron / Phosphate	4623-11	FLR07522	Twin Head	4623-02	HED01010
Carbon Block - .5 Micron	4623-12	FLR07523	Triple Head	4623-03	HED01011
Carbon Block - .5 Micron / Phosphate	4623-13	FLR07524	Twin Series	4623-06	HED01012



The CTL Series

The CTL Series contains a matching product for the Tri-Liminator Filtration System 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.

	NuCalgon #	Mnemonic
CTL 220	4610-30	FLR07125
C0070 Primary Cartridge	4610-26	FLR05234
Prefilter	4621-43	FLR07081

Water Filtration



Micro-Plus® & Micro-Carbon 4

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 with 1/4" FPT connections. When properly sized, each filter will last up to 6 months. The Micro-Carbon 4 is available for removing objectionable tastes and odors.

	NuCalgon #	Mnemonic
Micro-Plus 2	4615-W3	CHM00436
Micro-Plus 4	4612-W3	CHM00433
Micro-Plus 8	4613-Y8	CHM00434
Micro-Plus 16	4614-Y8	CHM00435
Micro-Carbon 4	4617-24	FLR05235

Application	Micro-Plus 2	Micro-Plus 4	Micro-Plus 8	Micro-Plus 16	Micro-Carbon 4
Water (per day)	12.5 gallons	25 gallons	50 gallons	100 gallons	50 gallons
Ice (per day)	Up to 125 lbs.	Up to 250 lbs.	Up to 500 lbs.	Up to 1000 lbs.	---
Coffee (per week)	25 lbs.(1,250 cups)	50 lbs. (2,500 cups)	100 lbs. (5,000 cups)	200 lbs. (10,000 cups)	---



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.

	NuCalgon #	Mnemonic
NP24DD	4704-24	HUS03684
NP48DD	4714-24	HUS03685



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.

	NuCalgon #	Mnemonic
NP24PC	4706-87	FLR05246
NP48PC	4716-87	FLR05255



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.

	NuCalgon #	Mnemonic
NP24C	4701-87	FLR05241
NP48C	4711-87	FLR05248



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.

	NuCalgon #	Mnemonic
NP24S	4702-87	FLR05243
NP48S	4712-87	FLR05252
20" Bulk	4621-43	FLR07081



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.

	NuCalgon #	Mnemonic
NP246R	4705-87	FLR05245
NP486R	4715-87	FLR05254



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	FLR05256
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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.)



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	HED01013
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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	FLR07072
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QC7I Twin Parallel Head

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	FLR07074
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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	FLR07075
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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	FLR07057
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*Everpure® is a trademark of Everpure, Inc., Westmont, IL.



MRS-20 Reverse Osmosis System

Complete Mineral Reduction Water Processing System that removes at least 90%+ of all dissolved solids that cause scale build-up. The MRS-20 system removes taste and odor causing contaminants as well as dirt and particles. The two-part design makes installation flexible. It 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 gallon is necessary.

MRS-20	9797-91	FLR07509
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Kleensteam CT and Kleensteam II

Everpure's second generation water treatment system for steam applications. Kleensteam is a total system delivering high quality filtered water with scale inhibition as well as deliming capabilities. The dual cartridge design provides enhanced performance for low and high flow capacity steamers and flexibility for expanding to meet future needs. Kleensteam also reduces chlorine-induced corrosion. It's simple to install, operate, and maintain.

		NuCalgon #	Mnemonic
Kleensteam CT	1.67 gpm max. flow	9797-50	FLR07545
Kleensteam II	2.5 gpm max. flow	9797-21	FLR07544



Nu-Plus E Series by Everpure Coldrink/Insurice Systems

The Coldrink/Insurice manifolds can be used with any Nu-Plus by Everpure cartridges. I.E. the MC² or XC² for carbonated beverages or i2000² or i4000² for ice machines. Utilize the systems existing 10" or 20" pre-filter on a single, twin, triple, or quad manifold. Systems come with the initial EC110 or EC210 pre-filter cartridge. Just purchase the appropriate Nu-Plus by Everpure cartridge for your application.

Coldrink/Insurice Manifold with Prefilter								
	Single (NuCalgon #, Mnemonic)		Twin (NuCalgon #, Mnemonic)		Triple (NuCalgon #, Mnemonic)		Quad (NuCalgon #, Mnemonic)	
10"	9293-01	FLR07505	9293-02	Call for quote	9293-03	Call for quote	9293-04	Call for quote
20"	9293-21	Call for quote	9293-22	Call for quote	9293-23	FLR07561	9293-24	Call for quote



nu-i2000² and nu-i4000²

Reduces 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 registered 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	FLR06892	NSF
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Capacity: 9,000 gallons • 750 lbs. for most cubers • 1,500 lbs. for most flakers

nu-i4000²	4621-11	FLR06982	NSF
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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 registered 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	FLR06893	NSF
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Capacity: 9,000 gallons

nu-XC²	4621-21	FLR06951	NSF
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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 i2000² is too long
- Precoat submicron particulate reduction
- Inhibits scale formation
- Taste & odor reduction
- NSF registered under NSF/ANSI Standard 42 and 53.

BH²	4621-12	FLR06914	NSF
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Capacity: 3,000 gallons or 6,000 pots of coffee • 0.5 gpm max. flow

OCS²	9618-07	FLR07539	NSF
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Capacity: 1,500 gallons or 3,000 pots of coffee • 0.5 gpm max. flow



OW200L and OW4^{Plus} Cartridge

- Ideal for office or residential water systems
- 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
- Inhibits scale build-up in water-using appliances
- NSF registered under NSF/ANSI Standards 42 and 53

OW200L	9619-06	FLR07165	NSF
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Capacity: 480 gallons

OW4^{PLUS}	9635-06	FLR07543	NSF
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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 registered 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	FLR07540	NSF
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Capacity: 10,000 gallons

nu-7CB5-S	4621-30	FLR06984	NSF
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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 registered under NSF Standard 42.

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

4CB5	4621-32	FLR06985	NSF
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Capacity: 6,000 gallons

4CB5-S	4621-31	FLR07531	NSF
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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 1/2 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	FLR07538	NSF
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Capacity: 2,000 grains • 0.5 gpm max. flow

Replacement Cartridges for CUNO®



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	FLR06986
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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	FLR06917
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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.

	NuCalgon #	Mnemonic
E-10	4621-42	FLR07080
E-20	4621-44	FLR07082

Optional: Wing Bracket for all multiple filter head systems manufactured after 2003: 4621-45, FLR07083



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.

	NuCalgon #	Mnemonic
EC110 (10")	4621-41	FLR07079
EC210 (20")	4621-43	FLR07081



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 and one cartridge

1 each	4621-05	DST00925
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Optional: Wing Bracket for all multiple filter head systems manufactured after 2003: 4621-06, FLR07076



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.

		NuCalgon #	Mnemonic
IMF-7	Replacement for AR-X 7" Housing	4621-13	FLR07164
IMF-10	Replacement for SS-10 Scale Sticks	4621-14	FLR07332



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	FLR06981
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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 ware washing 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.

	NuCalgon #	Mnemonic
7 ounce packets (24 per case)	4621-17	CHM00795
2.2 lb. canister (4 per case)	9798-35	Call for quote



4SI and 7SI Cartridge

Specially designed for ice machines. This cartridge does not include carbon. The cartridge reduces sediment and particulate down to 1/2 micron and reduces cyst and Giardia. The filter allows chlorine to pass through which helps reduce slime and bacteria growth inside the ice machine and ice bin. Ideal for food service operations where baking of bread and pastries is done on-site.

- Scale inhibition
- Particulate reduction
- Cyst reduction
- 0.5 micron rating
- NSF Std 42 and 53

4SI	9606-51	FLR07994	NSF
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Capacity: 15,000 gallons • 2.0 gpm flow rate

7SI	9606-01	BRK04305	NSF
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Capacity: 25,000 gallons • 3.5 gpm flow rate



4FC and 7FC Cartridge

New Fiberdyne™ II media with Agion® antimicrobial protection to inhibit potential bacterial growth. Balanced for optimum performance in varying water qualities. Improves the taste of fountain drinks and helps retain the drink's carbonation.

- Taste & odor reduction
- Particulate reduction
- 2.5 gpm flow rate
- 0.5 Micron Rating
- NSF Standards 42 and 53

4FC	9692-21	Call for quote	NSF
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Capacity: 15,000 gallons

7FC	9692-61	Call for quote	NSF
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Capacity: 25,000 gallons



4FC-S and 7FC-S Cartridge

New Fiberdyne™ II media with Agion® antimicrobial protection to inhibit potential bacterial growth. Balanced for optimum performance in varying water qualities. Helps retain the drink's carbonation.

- Increased capacity 25,000 gallons
- Taste & odor reduction
- Particulate Reduction
- Scale Inhibition
- NSF Standards 42 and 53
- 2.5 gpm flow rate
- 0.5 Micron Rating

4FC-S	9692-31	Call for quote	NSF
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Capacity: 15,000 gallons

7FC-S	9692-71	Call for quote	NSF
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Capacity: 25,000 gallons



7CLM Cartridge

Reduces chloramines, chlorine taste and odor and other offensive contaminants that can adversely affect the taste of beverages. The cartridge reduces particles down to 1/2 micron and reduces cysts and Giardia. Improves the taste of fountain beverage and helps retain the drink's carbonation. NSF registered.

- Chloramine reduction
- Chlorine reduction
- Cyst reduction
- Particulate reduction

7CLM	9693-01	FLR08002	NSF
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Capacity: 3,600 gallons at 1.7 gpm, 5,500 gallons at 1.33 gpm

Nu-Plus® E-Series by Everpure® Claris Water Technology

Claris offers tailored hardness control for perfect hot beverages. Thanks to its compact dimensions and the sophisticated multi-valve connection head, the system can be installed and operated almost anywhere, free standing, mounted or in a vertical or horizontal position.

			NuCalgon #	Mnemonic
Claris S	396 gallons of coffee	14.37"	4339-10	FLR07777
Claris M	660 gallons of coffee	18.70"	4339-11	FLR07778
Claris L	1,110 gallons of coffee	16.14"	4339-12	FLR07779
Claris XL	1,585 gallons of coffee	20.67"	4339-13	FLR07780
Claris Head 3/8" QCF			4339-23	FLR07781
Claris Head 1/4" QCF			4339-25	Call for quote



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



ClenAir[™] by Nu-Calgon

Indoor Air Quality and Specialty Products
for the HVAC Market

We all want clean, odor free air from the heating and air conditioning systems in our homes or buildings. At home, school, work, or play, the quality of the indoor air that we breathe affects the way we feel. The indoor air handler is the heart of the HVAC system. The air handler's cooling/heating coils, and condensate drain pan must be properly treated and maintained in order for it to supply clean, odor free, conditioned air to the home or building. ClenAir by Nu-Calgon's Quality Indoor Air Program provides the products to treat the cooling/heating coils, condensate drain pan, and HVAC system air as it passes through the air handler. Breathe Easy With ClenAir!

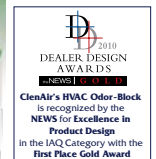
ClenAir™ Sprays + PurCool® Drain Pan Treatment + HVAC Odor Block® = Quality Indoor Air

ClenAir™ Sprays

To deodorize and treat cooling/heating coils, condensate drain pans, and the inside of the air handler, spray surfaces with ClenAir Citrus, Cherry, or Unscented sprays. The active ingredient in these sprays safely eliminates the source of air handler odors and IAQ problems.

PurCool® Condensate Pan Treatment

Every A/C system from a window unit, to a mini split, to a commercial air handler has a condensate drain pan and drain line. Condensate drain pans collect water and dirt, and provide a breeding ground for slimes and other biological growths. These growths can cause drain clogs and damaging drain pan overflows, foul odors, and other indoor air quality problems. All A/C condensate drain pans should be treated at least annually. PurCoolPan Strips, PurCool Tablets, and PurCool Green Tabs & Mini Strips provide safe, economical drain pan treatment to prevent buildup & growths and keep drain pans clean, safe, free flowing, and odor free. Tablets can be used to shock and clean a fouled drain pan or can be added to the drain pan every month or two while PurCool Strips and PurCool Green use a time- release technology to provide up to six months of preventive treatment.



ClenAir HVAC Odor Block®

Odors and pollutants from foods, smoke, pets, chemicals, etc. are circulated throughout the building by the air handler. The HVAC Odor Block is installed in the air handler or return duct and treats the home or building air as it passes through the system air handler. The HVAC Odor Block inhibits mold and bacteria growth and safely eliminates airborne odors and indoor pollutants* from smoke, pets, food, chemicals, mold, mildew, musty air, bacteria, decay, fuel oil, and many others. Not an odor mask or cover-up, the HVAC Odor Block uses the time tested ClenAir odor eliminating technology that safely provides months of odor free, freshened air.

ClenAir HVAC Carbon Block™

Add-On Carbon Purifier for all HVAC Systems. Removes many indoor air pollutants, utilizing Carbon Z™.

**As tested and verified by an independent laboratory.*





Side Vent

HVAC Odor-Block

ClenAir HVAC Odor-Block is not a perfume mask or cover-up. The unique ClenAir formula molecularly reacts with the airborne odor causing compounds and eliminates them and other indoor pollutants leaving clean, fresh, air behind. The HVAC Odor Block makes it easy to remove odors and improve the indoor air quality in the entire home or building by treating the air through the HVAC system.

	Nu-Calgon #	ClenAir #	Mnemonic
Residential HVAC Odor-Block	61060	1502	CHM01078
Commercial HVAC Odor-Block	61061	CA1015	CHM01079

- **Eliminates Odors & Improves Indoor Air Quality**
- **Unique Self Feeding Package Installs in Air Handler or Return Duct**
- **Treats All Home or Building Air through the HVAC System**
- **A True Odor Neutralizer – Not an Odor Mask or Cover-up**
- **Inhibits Mold & Bacteria Growth as Tested by an Independent Lab**
- **Commercial Duty Odor-Block includes Carbon ZTM, a special Blend of Activated Carbon for removal of VOC's & other Indoor Pollutants**
- **Residential HVAC Odor-Block treats up to 3 ton systems for 2 months**
- **Commercial HVAC Odor-Block treats 10 to 15 ton systems for 4 months**

The Original ClenAir™ Odor Neutralizer

ClenAir's unique odor neutralizing formula removes odors quickly and permanently. Originally designed for use in central air systems, on fire and flood restoration jobs and in sewage facilities, ClenAir is a professional product, yet it leaves no lingering antiseptic or perfume smell. Use ClenAir gel to combat stubborn odors, even those that have built up over time like cigarette odor or pet odors. Simply place the gel near the source of the odor or in the return duct of your central air system. The best product available for musty basements. Great for smoke and water damage as well as pet odors. Used by heating and air conditioning technicians, professional duct cleaners, janitors and property management.

Also available in CherryAir and OrangeAir. See following page.

ClenAir Original	Nu-Calgon #	ClenAir #	Mnemonic	ClenAir Original	Nu-Calgon #	ClenAir #	Mnemonic
Mini Tub	61000	CA1500M	CHM01058	10 lb. Tub	61005	1510	CHM01149
1/2 lb. Tub Display Box	61001	1500D	CHM01059	30 lb. Tub	61006	1530	CHM01150
1/2 lb. Tub	61002	1500	CHM01148	Wall Unit (White)	61007	1300	CHM01151
1 lb. Tub	61003	1501	CHM01060				
3 lb. Tub	61004	1503	CHM01061				



ENVIRONMENTALLY
FRIENDLY

Eliminate odors caused by mold, mildew, bacteria, pets, smoke, musty odors, water damage, chemicals, animal decay, stale air, garbage areas, sewer gases, skunks, and more!



**Also Available
in Mini Tubs**

CherryAir® Odor Neutralizer

CherryAir Odor Neutralizer removes odors quickly and permanently leaving a pleasant cherry fragrance behind. Using unique ClenAir odor neutralizing technology, CherryAir is a true odor eliminator - not an odor mask like many scented products. CherryAir attacks odors caused by fuel oil, smoke, pets, mold and mildew, cigarette and cigar smoke, decay, cleaning solvents, and even skunks!

CherryAir	Nu-Calgon #	ClenAir #	Mnemonic	CherryAir	Nu-Calgon #	ClenAir #	Mnemonic
Mini Tub	61018	CA1800M	CHM01154	3 lb. Tub	61013	1803	CHM01064
1/2 lb. Tub Display Box	61010	1800D	CHM01062	10 lb. Tub	61015	1810	CHM01152
1 lb. Tub	61011	1801	CHM01063	30 lb. Tub	61017	1830	CHM01153

OrangeAir® Odor Neutralizer

OrangeAir Odor Neutralizer uses the unique ClenAir odor neutralizing technology to safely eliminate odors, leaving a refreshingly crisp orange fragrance behind. OrangeAir is not a mask or cover-up. It is a true odor eliminator. OrangeAir eliminates odors caused by smoke, pets, fuel oil, mold, mildew, bacteria, cigarette smoke, water damage, fire damage, stale air, decay, chemicals, even skunks! Amazing results!



**Also Available
in Mini Tubs**

OrangeAir	Nu-Calgon #	ClenAir #	Mnemonic	OrangeAir	Nu-Calgon #	ClenAir #	Mnemonic
Mini Tub	61028	CA1300M	CHM01157	3 lb. Tub	61023	1303	CHM01067
1/2 lb. Tub Display Box	61020	1300D	CHM01065	10 lb. Tub	61025	1310	CHM01155
1 lb. Tub	61021	1301	CHM01066	30 lb. Tub	61027	1330	CHM01156



ClenAir Liquid Formula

ClenAir Liquid is a fast acting deodorizing product. It eliminates odors via an oxidation process while leaving a fresh scent. Applications include HVACR equipment including evaporator coils, duct work, condensate pans, refrigeration cases, reach-ins, and walk-in boxes. It can also be poured down drains, garbage disposals, and in trash cans. Spray in restrooms, locker rooms and on fouled carpeting, upholstery. Used by hospitals, nursing homes, HVACR technicians.

Non-toxic and environmentally friendly!

ClenAir Liquid	Nu-Calgon #	ClenAir #	Mnemonic	ClenAir Liquid	Nu-Calgon #	ClenAir #	Mnemonic
Unscented Spray 16 oz.	61030	1600D	CHM01158	Citrus Liquid 1 gal.	61035	1710	CHM01160
Unscented Liquid 1 gal.	61031	61031	CHM01159	CherryAir Spray 16 oz.	61037	1900D	CHM01069
Citrus Spray 16 oz.	61033	61033	CHM01068	CherryAir Liquid 1 gal.	61038	1910	CHM01162

ENVIRONMENTALLY
FRIENDLY

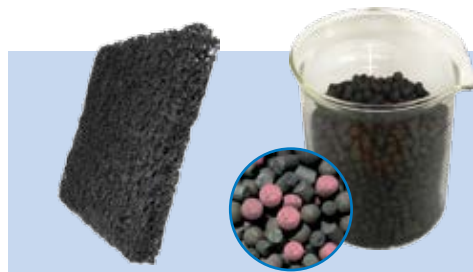


HVAC Carbon Block™ In-Duct Air Purification System

HVAC Carbon Block is an add-on Carbon purifier for all HVAC systems. Improves indoor air quality by removing odors, indoor air pollutants, and VOC's. Treats up to 10 tons for 6-9 months.

	Nu-Calgon #	ClenAir #	Mnemonic
HVAC Carbon Block	61062	CACB10	FLR07733

ENVIRONMENTALLY FRIENDLY



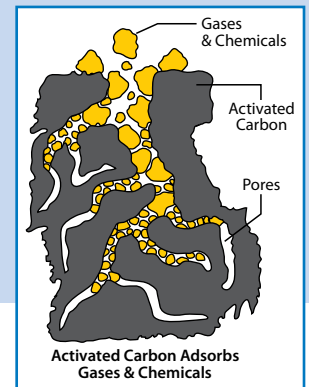
ClenSorb™ Media

Carbon Z™

- Powerful combination of ClenSorb™ Media and Carbon Z™ provides wide array of indoor contaminant removal
- Adds nothing to the air - completely safe and non toxic
- Environmentally friendly - chemical free, uses no electricity
- Installs easily - adds on to any HVAC system in minutes

HVAC Carbon Block Removes Many Indoor Air Pollutants Including:

- | | | | |
|-----------------|-----------------|--------------|----------------------|
| • Animal Odors | • Paint Fumes | • Turpentine | • Cleaning Chemicals |
| • Food Odors | • Auto Exhaust | • Cosmetics | • Acetone |
| • Ozone | • Sewer Gases | • Mercaptans | • VOC's |
| • Tobacco Smoke | • Burnt Odors | • Ammonia | • Smog |
| • Formaldehyde | • Printer Gases | • Solvents | • Mildew |
| • Body Odors | • Chlorine | • Alcohol | • Hospital Odors |



Activated Carbon Illustration

ClenHands: Orange Smoothie™, Orange Crush™ & Cherry Crush™

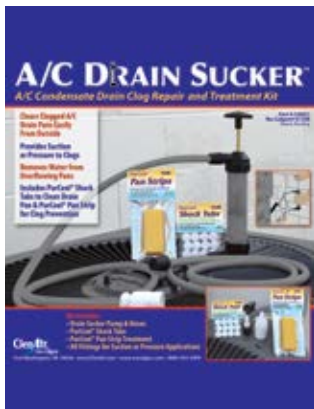
Premium antimicrobial hand cleaners that quickly dissolve dirt, grease, fuel oil, pipe dope, resin, ink, paint, glue, rubber gasket and tile cements and many other hard-to-remove soils. ClenHands Orange Smoothie is a smooth non-pumice formula, while ClenHands Orange Crush is enhanced with fine-ground American pumice. The citrus lotion hand cleaners are formulated with 9 skin care ingredients including aloe, jojoba, glycerin, wheat germ extract, almond oil, soy oil and vitamins A, C, and E to help protect hands. ClenHands Cherry Crush is a cherry-scented antimicrobial hand cleaner with pumice. It is formulated with 10 skin care ingredients which include all of the above ingredients plus lanolin. Biodegradable, VOC-compliant in all states, use recyclable packaging, and have no petroleum solvents. For use with or without water.

	Nu-Calgon #	ClenAir #	Mnemonic
Orange Crush with Pumice 1 gal.	61201	2201	CHM01097
Orange Crush with Pumice 15 oz.	61203	2215	CHM01087



ClenHands - Tough on Dirt, Easy on Hands!

A/C Drain Sucker™ & Condensate Pan Treatment



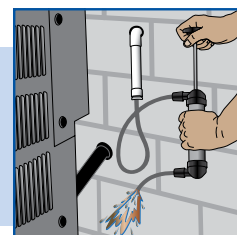
A/C Drain Sucker™

A/C Condensate Drain Clog Repair & Treatment Kit

A/C condensate drain pan overflows are a very common and costly service problem. The overflows are caused by slime and sludge that builds up and clogs the drain line. The A/C Drain Sucker quickly removes the clog and the excess water, resolving the overflow problem. The kit includes PurCool® Shock Tablets to clean and treat the remaining slime and sludge in the pan and lines, and a PurCool® Pan Strip to provide months of preventive treatment and free flowing drains, and all fittings & hoses for suction or pressure applications.

	Nu-Calgon #	ClenAir #	Mnemonic
A/C Drain Sucker Kit	61308	CADS1	PMP02087

- Repairs Drain Pan Overflows in Minutes!
- Clears Clogged A/C Drain Pans Easily from Outside!
- Provides Suction or Pressure to Clear Clogged Drains!



Treats 30 tons



Treats 10 tons



Treats 5 tons



Treats 3 tons

PurCool® Strips

PurCool Strips keep A/C and refrigeration condensate drain pans clean and free flowing. Use PurCool Strips to prevent condensate drain clogs, costly overflows, and corrosion. Just place them anywhere in the drain pan where the PurCool Strip will contact the condensate water and enjoy up to six months of economical protection. PurCool Strips will adhere to the drain pan and will not float or move. Dissolves completely leaving no residue. Safe for metal and plastic drain pans.

PurCool Strips	Nu-Calgon #	ClenAir #	Mnemonic
Treats 30 tons - 6 mos.	61040	2009	CHM01070
Treats 10 tons - 6 mos	61041	2003D	CHM01071
Treats 5 tons - 6 mos	61042	2001D	CHM01072

PurCool Strips	Nu-Calgon #	ClenAir #	Mnemonic
Treats 3 tons - 6 mos.	61043	1903D	CHM01073
3 ton Bulk	61047	1903D-100	CHM01098

Never Clean A Pan Again!

- Prevents Drain Pan Overflows
- Helps Prevent Drain Pan Corrosion
- Long Lasting - Up To 6 Months!
- Eliminates Foul Drain Pan Odors
- Maintains Free Flowing Drains
- Improves IAQ



Eliminates Foul Drain Pan Odors and Prevents Slime and Sludge

PurCool® Condensate Pan Treatment Tablets

PurCool Tablets utilize a powerful formulation to keep condensate drain pans clean and free flowing. Use PurCool Tablets to remove sludge and slime in A/C condensate pans to prevent costly water damage caused by overflows. They will control clogs, build-up, odors, corrosion in drain pans, and condensate pumps, and humidifiers. Approved for computer room humidifiers. PurCool Tablets are completely soluble in water and biodegradable and will not leave any deposits on surfaces.



	Nu-Calgon #	ClenAir #	Mnemonic
200 PurCool Tablets	61053	PC200	CHM01100

PurCool® Green Commercial Strips



Green product to prevent slime, sludge, odors, and overflows in commercial air handler condensate pans. Time release formula adheres to pan and fully dissolves over time. No housing or sock to remove. Unique green formula utilizes plant based suspending and dispersing action to keep drain pans clean and free flowing. Lasts up to 6 months.

	Nu-Calgon #	ClenAir #	Mnemonic
PurCool Commercial Strip 10 ton	61045	PCG10T	CHM01075
PurCool Commercial Strip 30 ton	61046	PCG30T	CHM01076

PurCool® Green Mini Strip

One Mini Strip treats up to 5 tons. Prevents slime, sludge, odors and overflows. For prevention of drain pan fouling and overflow in mini splits, fan coil units, "A" coils, window units, and other tight drain pan applications. Mini Strips can be cut and used with multiple evaporators. Time release formula completely dissolves leaving no residue. Utilizes unique plant based suspending and dispersing action to prevent blockages from slime and sludge. Lasts up to 6 months!

	Nu-Calgon #	ClenAir #	Mnemonic
PurCool Mini Strip	61044	PCG5MS	CHM01074



PurCool® Green Tablet

One tablet treats up to 5 tons. Prevents slime, sludge, odors and overflows. Time release formula adheres to pan and completely dissolves. It will not float and leaves no residue. Utilizes unique plant based suspending and dispersing action to prevent blockages from slime and sludge. Use multiple tablets for larger systems. Lasts up to 6 months!

	Nu-Calgon #	ClenAir #	Mnemonic
PurCool Green 1 tablet	61051	PCG5T	CHM01077
PurCool Green Bulk	61052	PCG5T-100	CHM01099



Universal Humidifier Panel™ Replacements

ClenAir Universal Humidifier Panels provide optimum moisture output, performance, and durability. They replace Aprilaire, Honeywell, Carrier, Bryant, Lennox, ICP, and others. Made from quality materials in the USA.

	Nu-Calgon #	ClenAir #	Mnemonic
#10 Size	61250	CA10	PAD01355
#12 Size	61251	CA12	PAD01356
#35 Size	61252	CA35	PAD01357

* See cross reference below.

Universal Humidifier Panel™ Replacements

Provide increased moisture output and reduce water waste. They replace Aprilaire, Honeywell, Carrier, Bryant, Lennox, ICP, and others. Made from quality materials in the USA.

	Nu-Calgon #	ClenAir #	Mnemonic
#10 Size	61254	CA10UP	CHM01088
#35 Size	61255	CA35UP	CHM01089

* See cross reference below.



24 Volt Humidifier Solenoid Valve Assembly

Replaces Aprilaire #4040 & Honeywell #32001639-002.

	Nu-Calgon #	ClenAir #	Mnemonic
24 Volt Humidifier Solenoid Valve Assembly	61253	CA4040	VAL11001

Humidifier Water Panel & Solenoid Valve Cross Reference

CA10 & CA10UP ClenAir Humidifier Water Panels.

For use with the following Humidifier Models:

Aprilaire: 110, 220, 500, 500A, 500M, 550, 550A, 558

Honeywell: HE220A/B, HE225A/B

Carrier: HUMCCSBP2212, HUMCCSBP2312, HUMCASBP2312,

HUMCCSBP2412, HUMCASBP2412

CA12 ClenAir Humidifier Water Panels.

For use with the following Humidifier Models:

Aprilaire: 112, 136, 224, 440, 445

CA35 & CA35UP ClenAir Humidifier Water Panels.

For use with the following Humidifier Models:

Aprilaire: 350, 360, 560, 560A, 568, 600, 700, 760, 760A, 768

Honeywell: HE260A, HE260B, HE265A, HE265B, HE360A, HE360B, ME360, HE365A, HE365B

Carrier: HUMCCLBP2217, HUMCCLBP2317, HUMCALBP2317, HUMCCLBP2417,

HUMCALBP2417, HUMCCLFP1218, HUMCCLFP1318, HUMCALFP1318

CA4040 ClenAir 24V Humidifier Solenoid Water Valve Assembly

Replaces the following Solenoid Valves:

Aprilaire: Part # 4040

AutoFlo: Replaces solenoid assembly for Model 250 Humidifier

Honeywell: Part # 32001639-002

ICP: HWIC Series Humidifier Solenoid Valves

Spaceguard® Filter Media Replacements

These Merv 11 filter media are direct replacements for the Aprilaire Spaceguard 201 and 401. Merv 11 media removes pollen, allergens, smoke, dust, dust mites, bacteria, spores & pet dander. The large filter surface area provides for low resistance and longer filter life, more than 6 months! Provide high allergen removal which Improves indoor air quality.

	Nu-Calgon #	ClenAir #	Mnemonic
Air Cleaner Filter: Use with Aprilaire & Spaceguard - 2200 & 2250	61256	CA201	FLR07716
Air Cleaner Filter: Use with Aprilaire & Spaceguard - 2400	61257	CA401	FLR07717

*Aprilaire and Spaceguard are registered trademarks of Research Products Corporation





A/C Shine™ - Superior Cleaner / Protectant

For use on all outdoor unit painted surfaces.

A/C Shine is specially formulated to clean and protect the painted metal surfaces of outdoor A/C condensing units. It sprays on and wipes off quickly and easily without water. Use A/C Shine on every service call.

	Nu-Calgon #	ClenAir #	Mnemonic
A/C Shine 12 oz.	61118	ACS12	CHM01094

The Perfect “Finish” To Every Job

- **Spray On - Wipe Off**
- **Removes Dirt & Stains**
- **Cleans & Protects in Minutes!**
- **Restores Original Shine**

PenetrateHD™ - Super Penetrating Lubricant

Frees Rusted Metal Parts

Loosens rusted and frozen metal parts - Guaranteed! Penetrate HD frees stuck fan blades, blower shafts, pulleys, rusted nuts and bolts - any frozen, rusted, or seized metal part! Unique low surface tension formula penetrates into the smallest spaces and breaks and dissolves the bonds of rust and corrosion. Saves time and labor. Lubricates and protects metals. Dielectric strength 50,000 volts.

	Nu-Calgon #	Mnemonic
Penetrate HD 12 oz.	61105	CHM01080
Penetrate HD 17 oz.	61106	CHM01081



Spray Nine® Cleaner & Disinfectant

Tough task cleaner! Broad spectrum disinfectant.

EPA-Registered Disinfectant kills harmful germs like HIV-1, Influenza, H1N1, Staphylococcus Aureus, Salmonella Choleraesuis & E. Coli in 45 sec. Also helps prevent cross contamination. Authorized by USDA for use in federally inspected meat & poultry plants with a C-1 rating.

	Nu-Calgon #	ClenAir #	Mnemonic
1 gallon	61110	26801	CHM01082
32 oz. spray	61113	26832	CHM01083

Grez-Off® Heavy Duty Degreaser

When nothing else cuts it.

GreZ-Off works hard so you don't have to. This heavy-duty answer to heavy-duty grease and grime leaves engines, machinery, asphalt, garage floors and more, whistle clean. Biodegradable, non-flammable formula hits hard and fast with less impact on user and environment.

	Nu-Calgon #	ClenAir #	Mnemonic
1 gallon	61116	22701	CHM01085
32 oz. spray	61117	22732	CHM01086



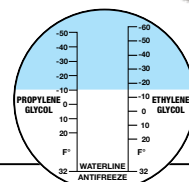
Glycometer™, Smoke Products & Leak Detector



Glycometer™

An accurate and economical tool for ensuring proper levels of glycol treatment in HVAC fluid systems.

Removes guess work and prevents wasteful over-treatment. Glycol Refractometer for Measuring Anti-Freeze Levels of Propylene Glycol or Ethylene Glycol in HVAC Systems. Determine Freeze Points of Glycol Solutions in Seconds! All Glycometers™ have metal body with cushioned eyepiece, focus adjustment, and a rubber hand grip. Included with each is a calibration screwdriver & calibration fluid, a plastic pipette, optical cleaning cloth, and a rugged carrying case. Temperature Range: -60° F to 32°F



Glycometer View

	Nu-Calgon #	ClenAir #	Mnemonic
Glycometer	61301	GLY32	MTR01429

Glycol Percentage Relative to Freeze Point

Propylene Glycol

	Freezing Point						
Propylene Glycol Solution (%)	0%	10%	20%	30%	40%	50%	60%
Temperature (F)°	32°	26°	18°	7°	-8°	-29°	-55°

Ethylene Glycol

	Freezing Point						
Ethylene Glycol Solution (%)	0%	10%	20%	30%	40%	50%	60%
Temperature (F)°	32°	23°	14°	2°	-13°	-36°	-70°



Smoke Signal products provide a reliable, inexpensive and professional test for complying with NFPA standards.

Smoke Signal™ Smoke Candles

Smoke Signal generates smoke by chemical reaction eliminating costly equipment and time to pinpoint leaks. Smoke tests will effectively and inexpensively reveal leaks in heating and air conditioning duct work, furnaces, fire boxes, exhaust fans and smoke detectors. Smoke Signal is also excellent for observing air flow patterns, evaluating exhaust systems and testing smoke detectors. Smoke Signal items contain no explosive materials.

	Nu-Calgon #	ClenAir #	Mnemonic
4000 Cubic Feet of Smoke 30 Sec. - 1A	61302	CAS30	CHM01090
8000 Cubic Feet of Smoke 60 Sec. - 2B	61303	CAS60	CHM01091
40,000 Cubic Feet of Smoke 2-3 Min. - 3C	61304	CAS180	CHM01092

Smoke Pen

Use for Testing: Ventilation, Air Balancing, Smoke Detectors, Drafts, Leakage & Air Flow. Comes with 1- Smoke Pen, 6- Replacement Wicks (refills available) and usage instructions. 6- Sticks will provide up to 3 hours of continuous smoke, or 360 individual 30 second tests.

	Nu-Calgon #	ClenAir #	Mnemonic
Smoke Pen	61305	CASP1	TOL03926
Refill Package - 6 Wicks	61306	CASP1RW	STR01505



AccuTrak® Ultrasonic Leak Detector

Model VPE - Now with Touchprobe included. Patented Technology detects the Ultrasonic SOUND of a Leak!

	Nu-Calgon #	ClenAir #	Mnemonic
AccuTrak® Ultrasonic Leak Detector	61307	CAVPE	



Coil Cleaning Hoses

Light Duty Reinforced Hose: Have a 5/8 inch diameter, 3 ply, a nylon reinforcement inner core with solid brass couplings, quality assurance guarantee. All season flexibility.

Pro Series Premium Hose: Have a 5/8 inch diameter, 5 ply, 10 year quality assurance guarantee. Ideal for commercial use. High burst strength. Has heavy duty brass couplings.

Hot Water Premium Rubber Commercial Hose: Have a 5/8 inch diameter, 5 ply. High burst strength, withstands hot water up to 180°F. Heavy duty brass couplings, 10 year quality assurance guarantee.

Light Duty Reinforced Hose	Nu-Calgon #	ClenAir #	Mnemonic
3 Year Green Hose 50 Ft.	61231	CAG5850	HSE01776

Pro Series Premium Hose	Nu-Calgon #	ClenAir #	Mnemonic
10 Year Green Hose 50 ft.	61235	CAP5850	HSE01788

Hot Water Premium Rubber Commercial Hose	Nu-Calgon #	ClenAir #	Mnemonic
10 Year Premium Hose 50 ft.	61238	CAH5850	HSE01791

Pistol Spray Nozzle

Molded Plastic Pistol Grip Nozzle: Connects to any standard 5/8 inch hose. Brass valve stem. Leakproof. Lifetime replacement policy. Has metal head insert, hold open clip & permanent adjusting nut. Contoured grip.

	Nu-Calgon #	ClenAir #	Mnemonic
Molded Plastic Pistol Grip Nozzle - Green	61241	CAN474	NOZ01009



Windshield Washer Cleaner

Elite® Performance Windshield Washer Cleaner -20°

Nothing is more important in winter months than maximum freeze protection to prevent damage to wash lines and safeguard against windshield re-freeze. Elite Performance Windshield Washer is independently tested to provide freeze protection to -20°F. Don't take chances with generic washer products, only Elite Performance offers certified protection.

	Nu-Calgon #	ClenAir #	Mnemonic
1 gallon	61115	CAW1G	CHM01084



NATE training now online. Visit us at www.nucalgon.com.

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)

Food Service Products for Ice & Beverage Filtration: A comprehensive look on the problems associated with ice and beverage filtration as well as treatment options to solve these problems. We will cover products for ice makers, coffee brewers, fountain beverage machines, steam ovens, drinking water, and more. (1 hour)

Nu-Calgon

Our Name on the Outside Means Quality on the Inside



A/C
Re~New

SCRUBS^{HVAC}
IN-A-BUCKET®

R11-flush

A/C
EasySeal

NU-PLUS
EVERPURE



**GREAT
WIPES**

**R-acid
scavenger**