

**NP Series**



Should be used to treat ice machines, coffee urns, etc. to control lime scale, remove sediment and eliminate objectionable tastes and odors. The NP24DD and NP48DD units 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 100 gallons of water (800-900 lbs. of ice per day) when preventing scale and up to 200 gallons of water per day when filtering for sediment or removing taste and odor. The NP48DD (1/2" FPT connections) can handle twice the capacities of the NP24DD housing.

No.	Model	Description	Each
64475	4704-24	NP24DD	\$105.28
64476	4714-24	NP48DD	\$133.10

**NP Series Carbon Blocks**

These carbon blocks will remove most objectionable tastes and odors and are rated down to 10 microns. They are made with FDA-approved materials.



No.	Model	Description	Each
64480	4711-87	NP48C	\$47.72

**NP Series Sediment Cartridges**

Both are made of polypropylene construction and will filter down to 20 microns. They are made from FDA-approved materials.



No.	Model	Description	Each
64477	4702-87	NP24S	\$8.26
64478	4712-87	NP48S	\$14.72

**NP Series Combination Series**

Made of Polypropylene filtration and 6R Micromet for scale-control in one cartridge. Designed for inhibiting scale formation in humidifiers, computer rooms, etc.



No.	Model	Description	Each
64471	4707-87	NP24PS	\$34.32
64472	4717-87	NP48PS	\$62.14

**Gauge Assembly**



On some installations it may be desired to install a gauge on the outlet of the NP housing to monitor water pressure. This is particularly useful when filtering silt and sediment to avoid loss of water pressure which is red lined at 20 psi and below.

No.	Model	Size	Each
64489	NP24GG for housing NP24DD	3/8 MxF	\$49.50
64490	NP48GG for housing NP48DD	1/2 MxF	\$63.16

**NP6R Micromet Cartridges**

The micromet cartridges for scale control. Lasts up to 6 months. NP246R handles up to 900 pounds of ice per day (100 gallons). NP486R handles up to 1800 pounds of ice per day (200 gallons).



No.	Model	Size	Each
64481	4705-87	NP246R	\$120.52
64482	4715-87	NP486R	\$210.60

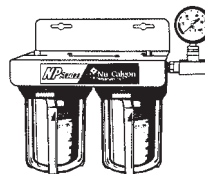
**NP Series — Micromet/Carbon Cartridge**

A custom cartridge, combining 6R Micromet for scale-control and a carbon block for sediment (10 microns) and taste and odor control. The NP24PC will handle up to 600 lbs. (70 gallons) per day and the NP48PC up to 1200 lbs. (135 gallons) per day, for six months.



No.	Model	Size	Each
64484	4716-87	NP48PC	\$180.22

**Bracket Assembly for NP24 & NP28**



On some installations it may be desired to use two NP Housings installed in series, for more than one water condition. This is done with the multi-housing bracket.

No.	Description	Each
64488	NP28R	\$46.06

**Total Guard**

**Guard Against Slime with Nu-Calgon's "3 Step Prevention Program"**

Ice is a food product. Because of its applications, it is very critical that the ice be free of bacteria and other organic material. Nu-Calgon has developed the TOTAL GUARD line of products for sanitizing and maintaining the environment in which ice is produced and stored. This line is designed to prevent slime growths without compromising the quality of the ice or its food-grade status.



**Step 1** IMS-II Sanitizing Concentrate is an EPA-registered sanitizing concentrate formulated exclusively to sanitize hard, non-porous surfaces to eliminate odors and slime growths. No rinsing required when used as directed. Formulated for general use in ice machines, ice cream dispensing equipment and other hard surface equipment. Dilutes 1.6 ounces per gallon of water, circulate through the equipment being sanitized, or sanitize parts and pieces by soaking, spraying or wiping.

**Step 2** Spray Guard is a spray that utilizes patented Nano Technology to provide extended protection against slime growth. It is designed to be sprayed on all non-evaporator surfaces inside the ice machine (metal and plastic) that are not in continuous contact with the water in the machine. Spray Guard will dramatically reduce slime related maintenance and cleaning. Apply every 30-60 days for best results.

**Step 3** Ice Guard AP Advanced Protection slime control utilizes Nano Titanium technology to inhibit the formation of bacteria in ice machines. This material is in a stick form that can be placed in the sump of the ice machine. As the water circulates across this advanced media, it destroys and absorbs slime producing organisms. The Ice Guard AP continuously treats the sump water for up to 6 months. Replace every 3-4 months in bread and pastry baking environments. One stick will treat a machine producing up to 1200 lbs of ice per day.

No.	Calgon	Description	Each
64495	4209-99	Total Guard	\$205.86

**Winter-Treat**

Multi-Treatment product for hot water and steam heating boilers and other closed water systems



- Emulsifies and cleans rust, corrosion deposits and sludge
- Inhibits system corrosion, foaming and surging
- Inhibits lime scale

No.	Calgon	Description	Each
64469	4390-32	1 quart	\$21.16
64473	4390-08	1 gallon	\$65.54

**Chemicals**



**Freez-Kontr'l**



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

No.	Model	Description	Each
64405	4188-07	1 Gallon	\$42.02
	4188-05	5 Gallon	

**Liquid Ice Machine Cleaner**

For removing scale deposits from ice machines and coffee urns. Made from food-grade phosphoric acid. Fast acting and safe to use.



No.	Model	Description	Each
64439	4207-47	8 fl. oz. bottle	\$18.62
64440	4207-08	1 gallon	\$149.62

**Nickel Safe Ice Machine Cleaner**

A specially formulated product for removing scale deposits from ice machines having nickel-plated or tin-plated evaporators.



No.	Model	Description	Each
64425	4287-34	16 fl. oz. bottle	\$20.98
64426	4287-08	1 gallon	\$118.68

**IMS-II Sanitizing Concentrate**



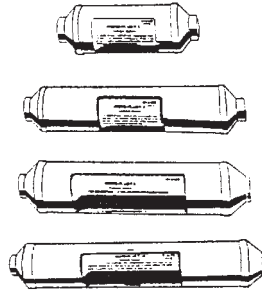
IMS-II is a sanitizing concentrate formulated exclusively to sanitize hard, non-porous surfaces to eliminate odors and slime growths. No rinsing is required. Formulated for general use in ice machines, ice cream dispensing equipment and other food processing equipment.

No.	Model	Description	Each
09086	4211-34	16-oz. Bottle	\$17.16

**Micro-Plus Water Filters**

Micro-Plus is available in four sizes, and all are constructed of a two-piece, spun welded polypropylene design.

- Eliminates lime scale formation
- Removes silt, sediment and other suspended matter
- Removes chlorine and other objectionable tastes and odors



They are provided with 1/4" FPT tappings, allowing for the use of compression fittings, flare fittings or "quick disconnect" fittings. When properly sized, Micro-Plus Treatment Systems will last up to 6 months.

No.	Model	Description	Each
15360	4615-W3	<b>Micro-Plus 2</b> 12.5 gallons/125 lb. of ice per day	\$64.16
15361	4612-W3	<b>Micro-Plus 4</b> 25 gallons/250 lb. of ice per day	\$105.06
15362	4613-Y8	<b>Micro-Plus 8</b> 50 gallons/500 lb. of ice per day	\$153.18
15363	4614-Y8	<b>Micro-Plus 16</b> 100 gallons/1000 lb. of ice per day	\$216.24

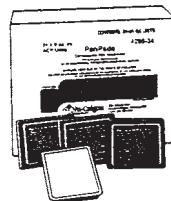
**Micro-Carbon 4**



The Micro-Carbon 4 utilizes a standard 12 x 40 mesh washed carbon rated at a nominal 20 micron filter capability. It is designed to remove sediment and objectionable tastes and odors from water supplying beverage, water and ice making equipment. One unit can filter up to 50 gallons per day for six months. Micro-Carbon 4 has a rated burst strength over 500 psi, and it is available with 1/4" FPT openings.

No.	Model	Description	Each
15364	4617-24	1 Unit	\$50.04

**PanPads**



A revolutionary package design of a product formulated to eliminate the build-up of bacteria and slime growths in air conditioning and refrigeration condensate drain pans. Combats a broad spectrum of harmful bacteria, including Legionella. ACP units (3/4 oz.) for systems up to 5 tons. Lasts up to 3 months.

No.	Model	Description	Each
64423	4295-34	ACP units	\$11.74

**Pan-Treat**

**Condensate Pan Tablets**

Left untreated, condensate pans can suffer from the build-up of sludge, scum and other accumulations. This build-up can cause odors as well as plugged drains and overflows, which in turn result in water damage. Pan-Treat is formulated with ingredients proven effective in cleaning and preventing these deposits, and it will eliminate the extra maintenance costs associated with odors, plugged drains and overflows.



Pan-Treat is extremely easy to use, and is safe, non-corrosive, non-toxic and biodegradable. The product is completely soluble in water and it does not form any deposits in the pan or drain.

**DIRECTIONS FOR USE:** Condensate Pans: If the pan is noticeably fouled, it can be cleaned by using two or more Pan-Treat tablets per ton of system capacity. Repeat until system is clean. For subsequent treatment or clean condensate pans, use one Pan-Treat tablet per ton each month.

No.	Model	Description	Each
64421	4296-60	Jar of 200	\$34.72

**Bio-Fresh Sanitizer**

Bio-Fresh is recommended for use in sanitizing exhaust fans, metal ductwork and filters, coils and drain pans in air conditioning and refrigeration equipment, heat pumps and ventilation systems. It is packaged in a quart container with a handy pump sprayer, in a ready-to-use formulation.



Evaporator coils, condensate drain pans and ductwork in air conditioning systems can be an excellent breeding ground for bacteria, including the Legionella bacteria. Left untreated, this bacteria can grow and eventually effect indoor air quality. It is a major concern of the IAQ movement today. Use of a sanitizer like **bio-fresh** in a total program such as Nu-Calgon's IAQ Power Program will correct this problem by cleaning the system and preventing the growth of bacteria.

No.	Model	Description	Each
22276	4126-34	32-oz. Sprayer	\$25.24

**Humidi-Treat**



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

No.	Model	Price
419002	4190-02	\$34.66

**Chemicals**

## WATER TREATMENT



### Liquid Scale Dissolver

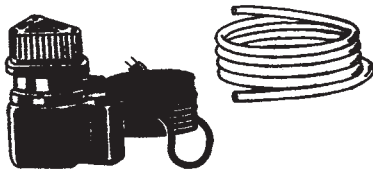


A hydrochloric (muriatic) acid that is formulated to remove calcium scales from cooling towers and other water cooled equipment. It contains low-foaming corrosion inhibitors and a built-in pH color indicator. pH test paper is also included.

The built-in pH color indicator in "Imperial Grade" Scale Remover and Liquid Scale Dissolver is a very good guide to the proper application of the products. It gives the water a green or light blue color with the acid at the desired strength and causes the water to turn dark blue or purple when the acid is mostly neutralized (see below). Thus, when the water turns purple, more acid should be added to change the color back to light blue or green. Occasionally, the color indicator does not show up very well in a system where there is a lot of dirt, rust, algae, etc. To double check the cleaning operation and acid strength, pH test paper is provided.

TONS OR HORSEPOWER	INITIAL DOSAGE	
	LIQUID ACID	IMPERIAL SCALE REMOVER
10	2 gals.	10 lbs.
30	5 gals.	30 lbs.
50	10 gals.	50 lbs.
90	15 gals.	75 lbs.

No.	Model	Description	Each
64441	4330-08	1 Gallon Bottle	\$41.42
64442	4330-05	5 Gallon Pail	\$193.76



### No. 31-TX Acid Pump

Compact submersible pump designed for circulating strong acids and cleaning solutions. All parts are constructed of acid-resistant materials. Motor is protected by thermal overload that stops pump if temperature exceeds 140°F.

No.	Model	Description	Each
64418	4603-0	1 Pump	\$365.90

### HK-31 Hose Kit

An accessory item available for use with the No. 31TX 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.

No.	Model	Description	Each
64419	4604-0	1 Hose Kit	\$121.22

### No. 85 Algaecide

No. 85 Algaecide is a polymeric, cationic biocide that has been developed for controlling the growth of algae, bacteria, and fungi in recirculating water systems, industrial air washing systems and closed systems.



No.	Model	Description	Each
64415	4108-08	1 Gallon Bottle	\$297.96

### No. 340 Liquid Scale Inhibitor



A unique inhibitor that is extremely effective in hard or highly alkaline water. No. 340 Liquid Scale Inhibitor is stable and does not form any orthophosphate sludge. It is most effective at treatment levels between 10 and 15 parts per million (about 1 gallon of No. 340 per 100,000 gallons of water). A feed rate of 1/2 gallon per month is recommended for each 30 tons and 1 gallon per minute bleed-off. A constant, accurate feed is accomplished with the No. 215 Drip Feeder on systems up to 60 tons. For larger systems, a No. 1075 Drip Feeder or CMS Feed Pump should be used.

No.	Model	Description	Each
64416	4340-08	1 Gallon	\$196.44

### No. 215 Drip Feeder



Used for feeding No. 340 Liquid Scale Inhibitor and No. 85 Algaecide. Each feeder is individually calibrated at the factory to insure accurate feeding. Provides the benefits of continuous treatment for small systems without the high cost usually associated with automatic feeding equipment.

No.	Model	Description	Each
64424	4669-W3	1 Drip Feeder	\$98.46

### Tower Clean-up & Treatment

#### SEASON START™ / SEASON TREAT™

*A Simplified Approach to Tower Clean-up & Treatment In a Two-Step Procedure . . . and*



**It Lasts all Season Long!**

\*DESIGNED FOR SMALL COOLING TOWERS & EVAPORATIVE CONDENSERS

#### STEP ONE

#### SEASON START™

The best and the safest dry cleaner. Season Start is a powdered sulfamic acid formulation that contains the best inhibitors available for protecting all metals including galvanizing. A built-in pH color indicator shows how much to use, when to add more and helps tell when the system is clean. A wetting agent & anti-foam agent are included to help it do a better cleaning job.

- ✓ Lowers head pressure
- ✓ Removes scale and rust
- ✓ Removes slime and algae
- ✓ Safe on all system metals
- ✓ Safe and easy to use - 1 container per 10 tons cooling capacity.



No.	Model	Description	Each
22282	4360-88	Season Start	\$161.06

#### STEP TWO

#### SEASON TREAT™

This flow through package design makes it simple to treat your water and prevent scale and the associated problems that go along with it. It's as simple as unwrapping the package and placing it into the sump in an area of good water flow. Once you've begun treatment, you can forget about it until next year...the treatment lasts the entire season.

- ✓ Patented Micromet Plate Product
- ✓ Prevents Scale
- ✓ Prevent Corrosion
- ✓ Environmentally Safe
- ✓ One Charge lasts One Season (6 months)
- ✓ Biodegradable
- ✓ Safe for contact and potable water



No.	Model	Description	Each
22283	4364-88	Season Treat	\$210.12



### Cal-Blue Gas Leak Detector

Cal-Blue is a complete gas leak detector. The high viscosity formula enables it to remain in contact with the applied surface for an extended period of time. It does not effect Black light leak detectors. It is also freeze-protected and safe for use on most gases, including oxygen.



No.	Model	Description	Each
64430	4182-53	6 oz. with dauber	\$9.56
64431	4183-24	Low Temp-20 Qt.	\$24.46
64453	4182-24	Quart Cal-Blue	\$16.92
64470	4182-08	Gallon Cal-Blue	\$50.22

### Gas Leak Detector

A high viscosity liquid that forms bubbles when daubed on a gas leak. Non-corrosive, non-staining, harmless to skin. Detects any type of gas leak such as air, compressed air, CO<sub>2</sub>, nitrogen, natural gas and refrigerant gases. Freeze point is well below 0° deg. F.



No.	Model	Description	Each
64445	4180-53	6 oz. Bottle	\$14.04

### 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 0° deg. F.) Suitable for high and low temperature applications. Can be used for most refrigerants, natural gas and oxygen systems.



No.	Model	Description	Each
700014A	4184-24	1-Qt. Spray	\$24.82
64449	4184-08	1 Gallon	\$48.68

### Thread Sealant 554

Loctite® 554 refrigerant sealant provides maximum solvent resistance on threaded fittings and pipe up to 2" in diameter. It is recommended for refrigeration systems and service with strong chemicals. Not for slip fitting tube joints. 554 has excellent solvent resistance and withstands temperatures to 300°F (149° C). High Strength – may require heat for disassembly.



#### Typical Applications

- Sealing metal-to-metal tapered thread joints.
- Sealing of refrigerants.
- Sealing of strong chemicals.

No.	Description	Price
P25882	554	\$34.12

### Big Blue Leak Detector

- Non-Toxic
- Biodegradable
- Oxygen Safe



No.	Description	Each
721318A	8 oz Brush	\$9.66
721320A	32 oz Spray	\$14.22
721319A	1 Gallon	\$44.74

### Super Bluer Leak Detector

- -30 F to 200 F
- Non-Toxic
- Biodegradable
- Oxygen Safe



No.	Description	Each
721317A	32 oz Spray	\$20.36
721316A	1 Gallon	\$78.08

### Thawzone Liquid Dehydrant

Thawzone chemically "dries" at fluorinated refrigerants (R-12, R-22, etc.) Methyl Chloride, Methylene, etc. Thawzone frees frozen systems in 5 minutes and prevents refreezing. It will not harm equipment and can be used in all systems with or without solid driers. Add 1/8 oz. directly to the refrigerant for each pound of refrigerant in the system. Acts quickly and harms nothing.

Used in both new and reconditioned systems. Cannot ship P.P.



No.	Size	Capacity In Refrig.	Each
14245	1 oz.	8 lbs.	\$3.70
14246	4 oz. Bottle	32 lbs.	\$13.56
14247	16 oz. Can	128 lbs.	\$30.40

### Trace Refrigerant Leak Detector

Trace is a RED DYE refrigerant leak detector which is used to find leaks in refrigerating systems using freon and methyl chloride. Leaks show as red stains on piping or equipment at the location of the leak. When Trace is used there is no need to add or remove refrigerant. Trace shows through ice and frost, and "out of sight" or "on and off" leaks because stain remains until wiped off. Trace will not harm systems. Add 1/8 oz. directly to the refrigerant for each pound of refrigerant in the system.

Cannot ship P.P.



No.	Size	Each
14266	4 oz.	\$11.48
14268	1 Pint	\$13.70

### Fluorescent Leak Detector

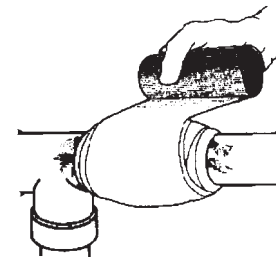


Universal dye for all common refrigerants and oils.

- Less costly and faster than many other methods
- One dye minimizes inventory
- No back-up refrigerant to move dye into system
- Maximum system port pressure of 80 psi

No.	Description	Each
49605	UV Dye hose kit includes: UV light hose, applicator, 2 injectors	\$296.96
49600	UV Dye hose kit includes: hose applicator 2 injectors	\$152.78
49602	1oz UV Dye Injectors 6 per carton	\$224.50
69721	Dye Injector 1oz 2 pack	\$95.04
69727	Dye Injector 1oz	\$48.74

### Quick Seal™ Pipe Repair



Quick Seal Pipe Repair is a knitted fiberglass tape that is impregnated with polyurethane resin. It has been developed for quick, in-the-field repair of leaks. It can be used on both cold or hot water as well as refrigerant applications, and it bonds to all types of pipes. It is a fast, durable and cost effective pipe repair system.

Unaffected by harsh chemicals and applicable even under water, Quick Seal is ideal for refrigeration, plumbing, industrial, commercial, mining, marine, municipal and residential applications. It is also classified as safe for potable water by Underwriters Laboratories (UL) in accordance with ANSI/NSF Standard 61.

- Activates within seconds and hardens within minutes
- Bonds to all pipes including PVC, steel, copper, lead, cast iron, aluminum and fiberglass
- Seals cracks, holes and leaks in lines, joints and elbows
- Works on hot and cold water pipes
- Drinking water safe
- Works for underwater applications
- Suitable for refrigerant lines
- Chemical resistant
- Not affected by exposure to UV light

No.	Model	For	Each
64402	4299-10	1/2" - 1-1/2" diameter	\$68.82

Chemicals

## SPECIALTY PRODUCTS



### Break-N-Lube

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



No.	Model	Description	Each
64455	4183-03	11-3/4 oz. Can (w/extension tube)	\$16.52

### Food-Grade Silicone

Food Grade Silicone sprays a perfect non-stick surface on ice machine surfaces, vending machines, coin slots, hot plates, slicing machines, 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.



No.	Model	Description	Each
22277	4084-03	10-3/4 oz. Can	\$26.70

### Electrical Contact Cleaner

Electrical Contact Cleaner cleans, lubricates, and protects electrical contacts. Instant solvent and cleaning action quickly removes greases, dust, and oxidation. Gives new life to high-precision instruments and components; restores and maintains precision and efficiency. Cleans and penetrates surface pores, protects against corrosion. Contains no fluorocarbons (CFC's).



No.	Model	Description	Each
64428	4082-03	16-oz. Can (w/extension tube)	\$38.88

### Degreasing Solvent EF

A new degreasing solvent, one that is "environmentally friendly" in that it is ozone-safe. 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.



No.	Model	Description	Each
64435	4162-087	1 Gallon	\$65.84

### Seal-Loc



Seal-Loc is a high performance, multi-purpose thread sealant for use on plastic and metal pipe fittings. It sets soft and no cure time is required.

No.	Calgon	Description	Each
19749	4350-01	1-1oz can	\$4.92
19797	4350-04	4oz can	\$12.00
19798	4350-16	1 pint can	\$32.30

### Thermo-Trap Paste®

A heat absorbing paste designed to isolate heat encountered in soldering, welding and brazing and to prevent damage to nearby heat sensitive controls, fittings, or other material.



No.	Model	Description	Each
64417	4371-36	11 oz. Tube	\$25.34

### Thermo Trap Gel

Thermo-Trap Gel is a heat sink that has an extremely high capacity for absorbing heat. Thermo-Trap Gel absorbs the heat, preventing heat transfer.



#### Special Features

- Adheres to all surfaces
- Will not melt or run
- Cleans up easily
- Harmless to skin and clothing
- Odorless

No.	Calgon	Description	Each
64404	4371-32	Thermo Trap	\$126.58

### Heat Barrier Spray

Protects Heat Sensitive Components during soldering, brazing, or welding



- No drip formula
- Non Corrosive
- Non Toxic
- No Clean up
- Non Staining

No.	Description	Each
64461	32 oz Spray	\$42.22

### Vacuum Pump Oil



Use of quality vacuum pump oil is recognized as one of the more important elements in maintaining the vacuum pump's designed performance day by day.

Nu-Calgon Wholesaler, Inc. 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.

No.	Calgon	Description	Each
22730	4383-34	1 pint bottle	\$14.68
22273	4383-07	1 gallon bottle	\$60.58

### Phase III



#### Acid Test Kit

This Phase III test kit can be used on mineral oils, and alkylbenzene lubricants as well as POE's. One acid test kit for all lubricants.

No.	Calgon	Description	Each
09309	4320-W8	Phase III	\$29.60

### Rx-Acid Scavenger

A better, more convenient way to neutralize, or "scavenge" acid in refrigeration, air conditioning systems ... after burnouts or during normal ongoing system maintenance.

Normal dosage rate is 2 fl. Oz. Of Rx-Acid Scavenger for every one gallon of system oil ... 50% less than other acid neutralizing products. This "low treat" feature means far less material has to be added to the system. In addition, the Rx-Acid Scavenger can be used with all lubricants; mineral, alkylbenzene and polyol-ester. This means only one product on the tool box or on the truck for all acid neutralizing needs.



No.	Calgon	Description	Each
64466	4301-02	Rx-Acid	\$43.70



### Nu-Brite®

Nu-Brite is the most effective coil cleaner available today. It foams and brightens, and it is an equally effective yet safer alternative to acids. It produces a high volume of foam to help in cleaning, and it does clean more effectively than acids, particularly in removing grease. And it brightens as well.



No.	Model	Description	Each
09094	4291-08	1 Gallon	\$41.58
09096	4291-05	2-1/2 Gallon	\$109.44
64494	4291-18	18 oz. can	\$15.36

### Cal-Brite®

Cal-Brite is a low-pH or acid-based product developed for cleaning evaporator coils, air-cooled condensers and other finned cooling and heating coils. Foams and brightens. Safe for use on indoors coils.

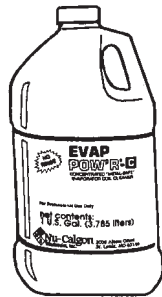


No.	Model	Description	Each
09090	4133-08	1 Gallon	\$55.64

### Evap. Pow'r®

A revolutionary "no rinse" product. Formulated specifically for indoor cleaning of evaporator coils. It is metal safe and will not harm the metal of evaporator coils. Cleans and emulsifies even the most stubborn soils and deposits.

- Evap. Pow'r-C is highly concentrated. Use ratio 3 parts water to 1 part Evap. Pow'r-C.



No.	Model	Description	Each
64454	4168-08	1 Gallon	\$40.78

### Green Clean

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



No.	Model	Description	Each
64463	4186-24	1 Quart Spray	\$23.14

### Nu-Blast® Condenser Coil Cleaner

A "no rinse required" condenser coil cleaner in a convenient aerosol package. Double action of high pressure blast and solvent cleaning restores design efficiency of condenser coils...quickly and easily... Pleasant odor, non-flammable and non-conductive. No rinse required... cleaning solvent evaporates completely.



No.	Model	Description	Each
09098	4290-75	18 oz. can	\$13.74

### CalClean®

A heavy-duty liquid alkaline detergent for spray cleaning evaporator coils, air cooled condenser coils, metal filters, fan blades and other surfaces soiled with greasy dust and dirt. When used as directed, CalClean will not corrode any metal.



No.	Model	Description	Each
64400	4135-08	1 Gallon bottle	\$57.36
64401	4135-06	2.5 Gallon bottle	\$132.72

### Special HD CalClean

It is specifically formulated to remove tobacco tars from electronic air cleaners as well as the most stubborn deposits from finned coils. Use at a ratio of 5 parts water to 1 part HD CalClean. Biodegradable.



No.	Description	Each
09095	1 Gallon	\$54.20
64464	1 Quart spray	\$20.72

### Evap Foam

Evap Foam is a No Rinse high performance, heavy duty detergent. Ideal for use on cooling or evaporator coils. It will liquefy dirt, grease, oil and other residues and the condensate produced during cooling will wash the emulsified matter off the coil.



No.	Model	Description	Each
09097	4171-75	18 oz. Aerosol Can	\$19.52

### Green Select Cal-Green

Clean the condenser unit with an environmentally friendly coil cleaner. By cleaning the fins with Cal-Green you restore the unit's efficiency while being environmentally responsible. Cal-Green is part of the EPA's Design for the Environment program which recognizes products that are safer for the environment.



No.	Calgon	Description	Each
64408	4190-08	1 gallon	\$36.74

### Green Select Evap-Green

Evap-Green's outstanding cleaning ability will quickly remove the dust, dirt and debris that is typically found on evaporator coils. During the cleaning process, dirt, oils and greases are emulsified and are quickly removed from the coil restoring the unit's efficiency. Evap-Green are part of the EPA's Design for the Environment program which recognizes products that are safer for the environment.



No.	Calgon	Description	Each
64412	4191-08	1 gallon	\$34.28

### EF Degreasing Solvent

Electric Motor Degreaser is a unique blend of solvents and hydrocarbons, specially formulated for cleaning electrical equipment where washing or flushing is not needed. Simply spray it on and wipe it off for fast, efficient results. Penetrates quick and deep, loosening dirt and liquefying heavy greases and tar. It is non-corrosive and non-staining.



No.	Model	Description	Each
64456	4083-75	16 oz. Can	\$21.62

### Cal-Shield

Cal-Shield is formulated with DuPont's time-proven Teflon fluorochemicals as its primary ingredient. Simply spraying the properly cleaned coil with a thin treatment of Cal-Shield will enhance both the efficiency and service life of the coil. In addition, Cal-Shield will actually help the coil resist the depositing of greasy dirt and grime. This treatment will also provide additional protection against moisture and other air-borne elements thereby, helping the coil to maintain its designed efficiency. And, because both dirt and grime are not easily redeposited, subsequent cleaning is accomplished more quickly and efficiently.



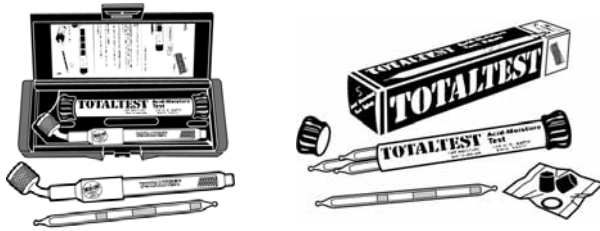
No.	Model	Description	Each
09089	4148-32	Quart	\$52.72
09088	4148-08	Gallon	\$127.58

Chemicals

## TEST KITS



### TotalTest Acid / Moisture Test Kit



Totaltest is the fast, easy and reliable way to test a refrigeration or air conditioning system for corrosive acid and acid causing moisture. Totaltest is a self contained test instrument which needs only a small sample of the gas in a system.

In 10 minutes you will know if there is corrosive acid or moisture present in the system. Totaltest doesn't require the system shutdown. The instrument is hooked up to the suction side schrader fitting.

No.	Description
TT1001	Kit includes: 5 test for CFC / HCFC, instrument, and case
TT1002	Kit includes: 5 test for CFC / HCFC, 5 test for HFC, instrument, and case

#### Replacement Tubes

No.	Description
TT2001	5 Tests for CFC / HCFC (Blue Tube)
TT2002	5 Tests for HFC (Yellow Tube)

### Universal Acid Test



Emerson's acid test kit is an inexpensive, disposable refrigeration oil test kit that is a highly accurate service tool. The test provides a positive indication of whether the acid number of the refrigeration oil is safe or unsafe.

Each kit contains everything need.

No.	Description	Each
200280A	Acid Test Kit	\$27.38

### Super Seal



Super Seal repairs air conditioning and refrigeration "micro" leaks. Super Seal is a light or low viscosity particle free liquid, that travels with the oil and refrigerant throughout the system. When a leak is detected Super Seal forms a low tensile crystalline structure, at point of leakage, when activated by moisture from the surrounding air.

- Ideal for hard to find leaks
- 1 time use
- Installs in minutes

No.	Description	Each
944KIT	1.5 - 5 tons; kit includes 1 can and hose	\$108.00
948KIT	5 tons and UP; kit includes 1 can and hose	\$116.32

### A/C Leak Freeze



**A/C STOP LEAK FEATURES:** Will stop leaks of refrigerant gas in air conditioning and refrigeration systems. A/C Leak Freeze is compatible and can be mixed with refrigerant gas: R11, R12, R13, R14, R22, R23, R123, R124, R134a, R141b, R404a, R407c, R410a, R502, R503, R507, R600.

- Permanently seals leaks in air conditioning and refrigeration systems
- Will continue to seal additional leaks for up to 1 year that meet testing specifications
- Does not contain polymers
- Not activated by moisture or oxygen
- Tested to be non-clogging to a/c compressor and recovery unit
- Ideal for preventive maintenance and leak protection

Kit includes: 1 tube and adapter hose

No.	Description	Each
LF00284	1.5 oz leak freeze used on 0-6 lbs of gas	\$108.60
LF00285	2 oz leak freeze used on 6-12 lbs of gas	\$123.34

#### Replacement Tubes

No.	Description	Each
LF00280	1.5 oz leak freeze used on 0-6 lbs of gas	\$85.80
LF00281	2 oz leak freeze used on 6-12 lbs of gas	\$100.54
LF00292	Replacement 1/4" adapter hose	\$22.82

### A/C Leak Freeze with Magic Frost



#### Same features as A/C Leak freeze + MAGIC FROST

The special features of a performance enhancer available with the benefits of an A/C stop leak product:

- Extends compressor life and reduces noise
- Improves a/c system lubrication and reduces friction
- Cleans and revitalizes the a/c system
- Reduces energy consumption
- Enhances the performance of older a/c systems

Kit includes: 1 tube and adapter hose

No.	Description	Each
LF00286	1.5 oz leak freeze used on 0-6 lbs of gas	\$132.30
LF00287	2 oz leak freeze used on 6-12 lbs of gas	\$145.98

#### Replacement Tubes

No.	Description	Each
LF00282	1.5 oz leak freeze used on 0-6 lbs of gas	\$109.48
LF00283	2 oz leak freeze used on 6-12 lbs of gas	\$123.16
LF00292	Replacement 1/4" adapter hose	\$22.82



**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. It enhances system's service life and avoids the need for time-consuming repeat visits. Rx11-Flush is ideal for system flushing after burnouts, during retrofits and for flushing line sets for R-410A conversions.

**Benefits**

- Low 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
- Over a decade of proven success
- Convenient pressurized package sizes

1 lb. canister is recommended for a 3-4 ton system  
 2 lb. canister is recommended for a 5-7 ton system

No.	Description	Price
	Rx11-Flush Kit	
64432	Includes: 2-2lb cans and injection valve	\$502.74
64406	1 lb Rx11-Flush	\$126.58

**Accessories for Rx11 flush, Easy Dry and Easy Seal**



No.	Description	Price
64407	Injection Valve	\$81.36
64409	Flushing Tool	\$22.46
64413	Flushing Gun	\$68.44
64414	Flushing Hose	\$50.36

**Easy Dry**



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. We recommend the use of A/C EasyDry whenever there is a concern that a system has moisture.

Treat systems up to 5 tons.

No.	Description	Price
64427	4051-06 Easy Dry	\$103.94
64429	4051-99 Valve & Hose	\$33.16

**Easy Seal**



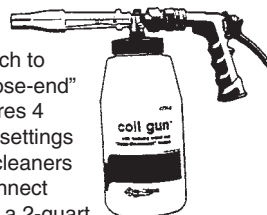
A/C EasySeal is designed to prevent as well as repair leaks anywhere in the system, including condensers, evaporators, copper lines, and soldered joints. It is easily injected into the system, traveling with the refrigerant, searching for leaks. It will react with moisture and air that are naturally present at a leak, forming a secure seal. A/C EasySeal is compatible with the refrigerant, oil and all system materials and it will not react until it comes into contact with the air and moisture at the leak, forming a seal.

Treat systems up to 5 tons.

No.	Description	Price
64438	4050-06 Easy Seal	\$103.94
64429	4051-99 Valve & Hose	\$33.16

**Coil Gun**

A different approach to coil cleaning-a "hose-end" sprayer that features 4 different mix ratio settings designed for coil cleaners and a quick disconnect capability. Utilizes a 2-quart capacity bottle and includes a foam wand.



No.	Model	Description	Each
64448	4774-0	2-qt. capacity	\$150.68

**A/C Re-New**



A/C Re-New is an exciting, new branding of Zerol Ice for residential air conditioning systems.

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

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

No.	Description	Price
64474	2 Pack including valve	\$332.36
64479	1 can	\$144.08
64492	1 can for R410A	\$110.52
64407	Injection Valve	\$81.36

**Chemical Sprayers**



Tiny tank sprayer with thumb trigger, chemical resistant.

No.	Description	Each
22364	1/2 Gallon Sprayer	\$73.28
22391	Repair Kit 22364	\$41.78

Sprayer is made of a high density translucent polyethylene. Comes with a fourteen inch brass wand and shut-off, adjustable brass nozzle and a quick-connect fitting for attaching a water hose.

No.	Description	Each
64434	2 Gallon Sprayer	\$115.58

Chemicals

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 2 lb. canister is recommended for a 5-7 ton system

No.	Description	Price
	Rx11-Flush Kit	
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64406	1 lb Rx11-Flush	\$126.58

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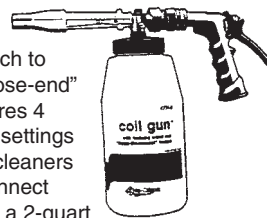
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Tiny tank sprayer with thumb trigger, chemical resistant.

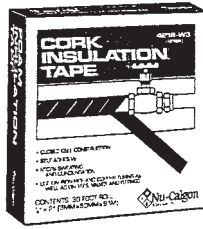
No.	Description	Each
22364	1/2 Gallon Sprayer	\$73.28
22391	Repair Kit 22364	\$41.78

Sprayer is made of a high density translucent polyethylene. Comes with a fourteen inch brass wand and shut-off, adjustable brass nozzle and a quick-connect fitting for attaching a water hose.

No.	Description	Each
64434	2 Gallon Sprayer	\$115.58



**Cork Tape**



Cork Insulation Tape has been developed specifically for the air conditioning, refrigeration industry. This is an insulating material for preventing sweating and condensation on refrigerant lines, cold pipes and other commercial refrigeration and air conditioning systems. It also can serve as an excellent insulator on hot pipes, and can be used as gasketing material and as sound-deadening material. It can also be used for wrapping valves, tees, and fittings, and can be applied at temperatures as low as -30° deg. F.

No.	Model	Description	Each
64452	4217-W3	2" x 1/8" x 30' roll	\$29.02

**Scrubs In A Bucket**

A revolutionary hand towel; a disposable, pumice-performance waterless hand towel in a self-dispensing canister. Cleans hands anywhere, anytime!!!!



No.	Model	Description	Each
64437	4366-87	72 Towels	\$49.80

**Pan-Spray**

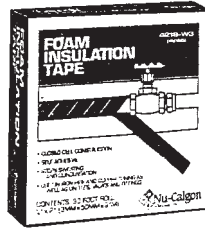
Quick, easy and reliable repair on troublesome leaks: Condensate pans, swamp coolers, humidifier pans, plumbing and pipe fixtures, roofing, downspouts and gutters.



- Reliable rubberized coating
- Easy to apply, simply spray it on
- Can be applied in moist conditions
- Long lasting protection
- Contains no CFC's
- Ideal for sealing out both rust and corrosion
- One 16 oz. can will cover 20 sq. ft.

No.	Calgon	Description	Each
64422	4296-50	Pan Spray	\$43.38

**Foam Tape**



Foam Insulation Tape is formulated from the highest quality elastomeric thermal insulation material. It is manufactured in accordance with selected specifications to meet the needs of today's air conditioning, refrigeration applications. Its closed cell construction seals out air, retarding heat transfer and providing complete insulation. It can be used on cold water pipes, chilled water and refrigerant lines to prevent sweating and condensation. Foam Tape can also be used on hot water lines for better insulation against heat loss. Keeps cold lines cold . . . and hot lines hot. Can be overlapped or edges can be butted.

No.	Model	Description	Each
64443	4218-W3	2" x 1/8" x30roll	\$29.48

**Pipe-Dri**

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



No.	Model	Description	Each
64444	4297-75	18 oz. Can	\$26.72

**Spray Adhesive**

Spray Adhesive is a fast-drying, all-purpose adhesive 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.



No.	Model	Description	Each
64446	4080-04	11 oz. Can	\$34.80

**Nu-Kill® Wasp and Hornet Killer**

A "quick-kill" spray formulation based upon synergized Bendiocarb. Effectively kills wasps, hornets and yellow jackets. Provides for instant kill. Jet spray up to 20 feet. Safe around and in electrical equipment . . . has dielectric strength of 23,000 volts. Contains no fluorocarbons.



No.	Model	Description	Each
64457	4292-75	17 oz. Can	\$24.88

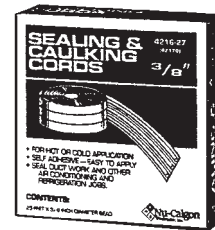
**Insulation Sealing Slugs**



Sealing Slugs 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.

No.	Model	Description	Each
64451	4216-02	Two 1-lb. bars	\$19.10

**Insulation Sealing Cords**



Insulation Sealing Cords are non-staining sealers formulated from the highest quality raw materials. They are water-resistant, dust-resistant and white in color with excellent adhesion to most surfaces and excellent insulation value. They are available in two preshaped extruded sizes, 3/8" and 3/16" with serrated release paper.

No.	Model	Description	Each
64450	4216-27	3/8" x 25' roll	\$20.98

**Nu-Foam**

Nu-Foam is an expanding polyurethane prepolymer foam that is used as a sealant and an insulating product. Contains no CFCs or HCFCs. Two-year shelf life.



No.	Model	Size	Linear Ft.	Each
60717	4293-04	9 oz.	470	\$15.20
60715	4293-75	20 oz.	780	\$32.08

Chemicals