



# MATCH THE RIGHT CLEANER WITH THE CLEANING JOB

## COIL CLEANER SELECTION GUIDE

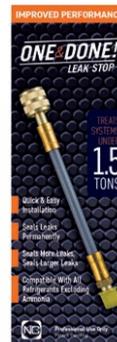


	APPLICATION								
	KleenFoam	AlkaKleen	KleenBrite	KleenCoil	KleenSafe	Evap-Plus	EvapKleen	BlastKleen	KleenFoam Aero
Condenser Coils	•	•	•	•	•			•	•
Evaporator coils	•	•		•	•	•		•	•
Permanent Air Filters				•	•	•		•	
Electronic Air Filters				•	•	•		•	
Small Condensers	•		•	•	•			•	•
Small Evaporators				•	•	•		•	•
Fan Blades, Motors				•	•	•		•	•
Rubber Rooftop Units*				•	•	•		•	•

	CONTAMINANTS								
Grease Dirt & Oil	•	•		•	•	•	•	•	•
Cooking Grease/Oil	•	•		•	•	•	•	•	•
Dirt and Grime	•	•		•	•	•	•	•	•
Lint/Dust	•			•	•	•	•	•	•
Oxide Deposits	•	•		•	•			•	•
Cottonwood	•	•		•	•			•	•
Dead Bugs	•	•		•	•			•	•

	PROPERTIES								
Foaming	•	•	•	•	•	•	•	•	•
Brightening	•	•	•					•	•
Degreasing	•	•		•	•	•	•	•	•
Non-Rinsing (Evaporators)	•	•		•	•	•	•	•	•
Biodegradable	•	•	•	•	•	•	•	•	•
NSF Registered	•	•		•	•	•	•	•	•
Safer Choice Registered					•	•	•		•

\* Rubber Roofs - extreme caution must be used when cleaning a/c units on rubber roofs. Any coil cleaner or wash off water coming in contact with rubber surfaces must be washed off immediately.



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## Why use a coil cleaner?

Dirty or blocked coils will result in reduced air flow and poor heat transfer. Equipment could run hotter, reducing its useful lifetime, increasing operating costs and reducing comfort or refrigeration capacity. Properly cleaning the coils will keep equipment running at peak performance.

## How do coil cleaners really work?

The two active ingredients are soap and an acid or alkaline based surface brightener.

- The soap's job is obvious — to break up and carry away dirt and grease.
- The surface brightener's job is also straightforward: Air, moisture and other chemicals will react with aluminum coil surfaces to form layers that can collect dirt and reduce heat transfer. The strong alkaline or acid compounds in the coil cleaner will chemically clean the layers away until bright metal is exposed, returning the coil surface to its original design performance.

## How can you calculate dilution levels?

Concentrated coil cleaners are meant to be diluted with water. Using the concentrate straight from the bottle or strong mixtures on lightly soiled coils can result in damage to the surface being cleaned.

- Extremely dirty coils require a higher content of the coil cleaner versus water to get the desired cleaning. Moderately soiled coils can be cleaned with an equal amount of coil cleaner and water content. Slightly soiled coils can be cleaned with a higher water to coil cleaner content to get the desired cleaning.

## Can coil cleaners be used to clean other surfaces?

Indoor coils, cabinets, air filters and fan blades can be cleaned with a diluted concentrate. Each **NC Coil Cleaner** has a dilution chart on the bottle as a guideline.

## What is the difference between types of coil cleaners?

They will all clean and treat the surface of the coil. The major differences are:

- Acid or Alkaline based (acid for strong surface treatment, alkaline for general brightening)
- Formulation
- Amount and type of soap
- Color



Designed to meet the cleaning needs for a variety of applications



NATIONAL REFRIGERATION PRODUCTS

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## CONDENSER COIL



KLEENBRITE1

### KLEENBRITE

KleenBrite's acid-based condenser cleaner and brightener is formulated to make difficult jobs easy. Fast acting and safe when used as directed, it makes dirty fins and coils look like new.



Not recommended for indoor use.

Part No.	Container Size	Case Qty*	Price
KLEENBRITE1	1 Gal.	4	\$51.44
KLEENBRITE2	2 1/2 Gal.	2	\$115.78
KB55GNC	55 Gal.	1	\$2,049.64



ALKAKLEEN1

### ALKAKLEEN

A strong non-acid condenser cleaner and brightener. AlkaKleen's heavy duty foaming formula can be diluted to cover larger areas economically. Removes heavy grease, dirt, smoke, film and insects.



Not recommended for indoor use.

Part No.	Container Size	Case Qty*	Price
ALKAKLEEN1	1 Gal.	4	\$39.00
ALKAKLEEN2	2 1/2 Gal.	2	\$87.80
AN55GNC	55 Gal.	1	\$1,685.28

\* Case Quantity for ordering convenience only



N4895

### KLEENFOAM

An extra heavy foaming outdoor non acid cleaner. Thick foam removes stubborn deposits from outdoor air cooled condenser coils.

**Not recommended for indoor use.**



Part No.	Container Size	Case Qty*	Price
N4895	19 Oz. Aerosol, NSF	6	\$16.92
KLEENFOAM1	1 Gal.	4	\$38.72
KLEENFOAM2	2 1/2 Gal.	2	\$87.14



429108

### NU-BRITE®

A nonacidic, alkaline-based product for cleaning and brightening air cooled condensers.

**Not recommended for indoor use.**

- Cuts through grease and grime better than acids

- Foams like acids
- Brightens as well as acids
- Safer than acids
- Biodegradable



Part No.	Container Size	Case Qty*	Price
429108	1 Gal.	4	\$46.62
429105	2 1/2 Gal.	1	\$118.64



412008

## ALKA-BRITE®

A nonacid, alkaline-based product for brightening and cleaning air cooled condensers. It contains the best available detergents and surfactants to quickly penetrate and remove greasy soils and oxidation.

For cleaning and brightening air cooled condensers, permanent filters and other finned heating and cooling coils. **Not recommended for indoor use.**

- Foaming helps lift out stubborn soils
- Does not contain any acid
- Biodegradable
- Alka-Brite® has been authorized by the U.S.D.A. for use in federally inspected meat and poultry establishments



Part No.	Container Size	Case Qty*	Price
412008	1 Gal.	4	\$47.90



419008

## CAL-GREEN

Clean the condenser unit with an all natural environmentally friendly coil cleaner. This non-foaming, not-toxic cleaner is outstanding for removing dirt and grime which hinders heat transfer. By cleaning the fins with Cal-Green you restore the unit's efficiency while being environmentally responsible. This biodegradable product is free and clear of dyes, fragrances, and masking agents. Enhanced with naturally derived organic builders, Cal-Green offers buffered alkalinity and detergency boost to provide the highest cleaning action to condenser coils. Cal-Green is manufactured with an award winning innovative technology, which consists of a 100% waste-free eco-friendly process. To ensure that human and animal well-being is held at the utmost importance, Cal-Green has been extensively tested and shown to pose no potential health concerns. Contained in the recyclable container of Cal-Green, is a high performance green condenser coil cleaner that is safe for users and the environment.

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Part No.	Container Size	Case Qty*	Price
419008	1 Gal.	4	\$47.70



KleensafeRTU

## KLENSAFE

- Eco-friendly, neutral pH cleaner and degreaser
- Powerful formula, removes tough dirt, grease and grime
- Biodegradable solvents and surfactants, non-corrosive, safe on roofs

- Recognized for safer chemistry under the EPA's safer choice program
- NSF registered for use in food processing areas

EPA/Safer Choice recognition does not constitute endorsement of this product. The Safer Choice label signifies that the product's formula, as National Refrigeration Products has represented it to the EPA, contains ingredients with more positive human health and environmental characteristics than conventional products of the same type. EPA/Safer Choice relies solely on National Refrigeration Products, its integrity and good faith, for information on the product's composition, ingredients and attributes. EPA/Safer Choice has not independently identified, that is, via chemical analysis, the ingredients in the product formula, nor evaluated any of National Refrigeration Products non-ingredient claims. EPA/Safer Choice provides its evaluation only as to the product's human health and environmental characteristics, as specified in the Safer Choice Standard and based on currently available information and scientific understanding



Part No.	Container Size	Case Qty*	Price
KLENSAFERTU	1 Qt.	12	\$21.96
KLENSAFE1	1 Gal.	4	\$40.24



RT390G

## VIPER HD

Viper HD is a concentrated version of the popular Viper Aerosol. Both products are based on a new detergent blend that has proven to match the cleaning performance of acid and alkaline cleaners without the associated hazards. Viper HD does not contain

butyl solvent, glycol ethers, phosphates, silicates or other ingredients that are toxic and water pollutants. Viper HD is typically diluted 5:1 Use it in low or high pressure equipment or dilute 20:1 as a spray and wipe.

- No Gloves Required
- Degrease Oily Surfaces
- Removes Stubborn Soils
- Biodegradable
- Non Toxic
- Neutral pH
- VOC Free
- Very Low Odor
- NSF approved for use in all food processing



Part No.	Container Size	Case Qty*	Price
RT390G	1 Gal.	4	\$58.70

\* Case Quantity for ordering convenience only

# CLEANERS

## CONDENSER COIL



417808

### FOAM-BRITE™

This new generation condenser coil cleaner will provide the ultimate in foaming, brightening and cleaning. It can be used to replace the more dangerous HF acid-based products for condenser coil cleaning.

- Maximum foaming, nonacidic, condenser coil cleaner



Part No.	Container Size	Case Qty*	Price
417808	1 Gal.	4	\$47.14
417805	2 1/2 Gal.	1	\$119.60



437224

### TRI-CLEAN 2X

TriClean 2x is equipped to assist in the annual cleaning of outdoor of residential or light commercial air conditioning or heat pump coils. The product can safely be used on coated and non-coated fin or microchannel designed coils. The concentrated formula is tailored to

its integrated sprayer packaging, resulting in time savings of sprayer preparation/clean-up or the cost of sprayer maintenance from usage wear. Each container is capable of cleaning three 5 ton coils, making its use cost effective.

- Quart sprayer with hose connector



Part No.	Container Size	Case Qty*	Price
437224	1 Qt.	4	\$45.14



429508

### NU-SOLVE

Nu-Solve NR is a ready-to-use, detergent based cleaner to aid in the removal of efficiency-robbing grime on the condenser coil. The cleaner is VOC, CARB compliant, contains no Prop. 65 compounds and ships as a non-hazmat product.

- Ready-to-use, non-rinse condenser coil cleaner
- Non-foaming, detergent based formula for emulsifying grime
- Formulated where water availability for rinsing the coil is problematic or solvent based aerosols are not desired
- For situations when its desirable to have less diluted cleaner on the roof
- Nu-Solve NR provides three roles:
  1. Emulsifies grime off coi
  2. Aids in corrosion protection of aluminum until next cleaning
  3. Treats metal surface so grime is easier to remove on next cleaning
- Plastic, Metal and Rubber Safe



Part No.	Container Size	Case Qty*	Price
429508	1 Gal.	4	\$56.12

\* Case Quantity for ordering convenience only



RT330V

### VENOM PACK CONDENSER

Venom Pack Condenser Cleaner is a high foaming pure concentrate liquid designed to tackle the toughest soils. The proprietary blend of specialty detergents will liquify heavily embedded grease and grime to restore heat transfer and increase the efficiency of the coil.

- Non-Toxic & No Odor
- High Foaming
- Aluminum and Micro channel safe
- Lightweight pure concentrate



Part No.	Container Size	Price
RT330V	36 Oz.	\$55.06

## EVAPORATOR COIL



EGP

### EVAP-GARD PLUS

Cooling coil disinfectant cleaner for use on small air conditioning cooling coils and refrigeration equipment, refrigerator or freezer evaporative coils.



Part No.	Container Size	Price
EGP	19 Oz.	\$20.14



AEG32

### EVAP-GARD

One-step hospital grade disinfectant, mildewstat, deodorizer and cleaner that is specifically registered with the EPA for use on coils and in drain pans of air-conditioning/refrigeration equipment and heat pumps to kill odor-causing micro-organisms and to inhibit the growth of mold and mildew. For use on cooling coils and drain pans, grills, registers, vents, and other hard, inanimate surfaces.



Part No.	Container Size	Price
AEG32	32 Oz.	\$20.30
AEG1	1 Gallon	\$35.80



RT320V

## VENOM PACK EVAPORATOR

Venom Pack Evaporator Cleaner is a non-rinsing pure concentrate liquid designed to remove stubborn grease, grime, and dirt while destroying odors caused by bacterial growth. This 2 in 1 product eliminates the need for a separate cleaner and treatment, saving you

time and money. The proprietary blend of enzymes digest odor causing bacteria while the specialty detergents attack heavily embedded grease and grime to restore heat transfer and increase the efficiency of the coil

- Non-Rinsing
- Enzyme Cleaning and Deodorizing Technology
- Aluminum & Micro channel safe
- Lightweight pure concentrate



Part No.	Container Size	Price
RT320V	36 Oz.	\$52.18



KLEENCOIL1

## KLEEN COIL

Kleen Coil is a non-acidic and self-rinsing evaporator cleaner that safely cleans away grime, oil grease and dirt quickly. Kleen Coil is easy to use because no rinsing is required.



Part No.	Container Size	Case Qty*	Price
KLEENCOIL1	1 Gal.	4	\$35.66
KLEENCOIL2	2 1/2 Gal.	2	\$80.22
KN55GNC	55 Gal.	1	\$1,384.60



EP1Q

## EVAP-PLUS

- Use as Non-Rinse if condensate water running
- Eco-friendly solvent and surfactants quickly emulsify stubborn contamination
- Metal Safe - will not damage aluminum or other metals

- Ideal at cleaning evaporator and heating coils, window units, air cooled condensers and permanent air filter
- Economical Alternative to Aerosol Coil Cleaners
- Replaces High/Low pH cleaners for rooftop applications
- Neutral pH - Non-Corrosive
- Sewer System Safe
- Registered with NSF for use in food processing plants
- Recognized for "Safer Chemistry" under EPA's Safer Choice Program



Part No.	Container Size	Case Qty*	Price
EP1Q	1 Qt.	12	\$15.94



419108

## 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 is a biodegradable product and does not contain dyes, fragrances, or masking agents. The cleaning agents are derived from naturally organic builders which supplies a controlled and buffered pH and alkalinity during the cleaning process. This product contains is produced by a 100% waste-free and environmentally friendly manufacturing process. Furthermore, this eco-friendly product does not contain any Volatile Organic Compounds, or VOCs, which induce poor indoor air quality. Evap-Green is scientifically proven to be safe for use around humans and animals. Nu-Calgon's commitment to the environment and product excellence is portrayed through Evap-Green: safe and effective eco-friendly cleaning action in a recyclable container. By using Evap-Green, an all natural cleaner, the coil is being cleaned with the most environmentally friendly product available on the market.



Part No.	Container Size	Case Qty*	Price
419108	1 Gal.	4	\$44.56



416808

## EVAP POW'R®

Evap Pow'r® is a no rinse product formulated for cleaning indoor evaporator coils. The green-colored, slightly alkaline liquid is metal-safe and therefore will not harm the coil's metal surfaces when left in contact with them in a no-rinse application. It cleans and

emulsifies the most stubborn soils and deposits, and is biodegradable as well as U.S.D.A. authorized.

- Concentrate: dilute 3:1



Part No.	Container Size	Case Qty*	Price
416808	1 Gal.	4	\$41.88
416805	2 1/2 Gal.	1	\$102.74

\* Case Quantity for ordering convenience only

# CLEANERS

## EVAPORATOR COIL



413508

### CALCLEAN®

Use CalClean® for fast and thorough cleaning of evaporator coils, heating coils, window units, air-cooled condensers and permanent air filters

- Does not require rinsing where there is sufficient condensate being pulled from the air. The cleaning

solution may be left on the evaporator coil without rinsing (use at a 10:1 ratio).

- Cleans without metal loss
- Biodegradable
- Has been authorized by the U.S.D.A. for use in federally inspected meat and poultry establishments



Part No.	Container Size	Case Qty*	Price
413508	1 Gal.	4	\$58.74
413506	2 1/2 Gal.	1	\$147.30



416675

### EVAP FRESH™

Evap-Fresh™ is a ready-to-use, non-abrasive, one-step cleaner and disinfectant for evaporator coils in small air conditioners, commercial air handling equipment, HVAC cooling coils and refrigeration equipment. It is the first product of

its kind in the industry to receive EPA registration for such claims. Evap-Fresh™ has been tested effective via AOAC methodology against a wide variety of organisms including:

- Salmonella typhi and choleraesuis
- Staphylococcus aureus (also Methicillin and Vancomycin intermediate resistant varieties)
- Streptococcus pyogenes
- Listeria monocytogenes

Evap-Fresh™ also exhibits virucidal activity against many problem agents



Part No.	Container Size	Case Qty*	Price
416675	18 Oz. Aerosol	12	\$23.54
416624	32 Oz.	6	\$26.92
416608	1 Gal.	4	\$50.18

## ALL PURPOSE



MK1G

### MULTIKLEEN

Use MultiKleen to clean condenser or evaporator coils, metal cabinets, refrigeration parts and components.

Strong yet gentle for metal when used as directed. This is a product that does it all.

Not recommended for indoor use.



Part No.	Container Size	Case Qty*	Price
MK1GNC	1 Gal.	4	\$27.40
MK2GNC	2 1/2 Gal.	2	\$107.28



413308

### 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. It is based upon glycolic acid and ammonium bifluoride, and it incorporates two surfactants, including duPont's

Merpol®. The activity between the glycolic acid and the ammonium bifluoride produces a synergistic cleaning effect, resulting in a clean, brightened coil, but with the utmost in safety to the applicator and the job site as compared to HF-based products.

- High hard water tolerance
- Deep penetrating, foaming cleaner
- Safer and less corrosive than HF-based cleaners
- Low odor
- Biodegradable
- Safe for use on indoor coils



Part No.	Container Size	Case Qty*	Price
413308	1 Gal.	4	\$60.74



418624

### GREEN CLEAN™

Green Clean™ is a pleasantly scented, concentrated all-purpose cleaner designed for the rapid removal of grime and other heavy soils. A safer, effective, alternative to toxic cleaners, bleaches and solvents!

- As an emulsifier of soil and grime, it is an excellent cleaner for air-cooled condensers, evaporator coils and other finned coils. Use diluted 3:1 with water.
- General cleaning, walls, woodwork: use diluted 10:1 with water



Part No.	Container Size	Case Qty*	Price
418624	1 Qt.	12	\$26.96
418608	1 Gal.	4	\$49.56

\* Case Quantity for ordering convenience only



414308

### HD CALCLEAN®, EAC

Special HD CalClean® is an extra-strong liquid detergent specifically designed for cleaning electronic air filters. Electronic air filters become coated with tobacco tars and other deposits that are very difficult to remove with ordinary

detergents. It will rapidly clean dirt, grease, dust and tars from the plates on these filters and it will not corrode or tarnish aluminum or other metals when used at the recommended concentrations. In addition, it can also be used to clean evaporator coils, air-cooled condensers and permanent air filters that are soiled and difficult to get clean with other detergents.

- Biodegradable
- Authorized by the U.S.D.A. for use in federally inspected meat and poultry processing facilities
- Quart container is ready to use in a convenient spray bottle



Part No.	Container Size	Case Qty*	Price
414308	1 Gal.	4	\$62.56
414306	2 1/2 Gal.	1	\$154.70



437175

### TRI-POW'R™

The ideal environmentally friendly and biodegradable cleaner that's perfect for cleaning air-cooled condensers, evaporator coils, permanent filters fan blades, motors and other general cleaning needs. Tri-Pow'r HD is a heavy duty alkaline cleaner that is very unique

when compared to other similar alkaline coil cleaners. It's based upon positive emulsion technology which is the most effective technology used for removing grease and grime. Tri-Pow'r HD emulsifies or converts greasy deposits into a fluid or liquid form that can be easily flushed. It also contains a surfactant for "wetting" the greasy deposits as well as corrosion inhibitors for protecting equipment surfaces. It's non-acid, non-toxic, biodegradable and very safe to use and it's a deodorizer as well.

- Detergent-Degreaser-Deodorizer
- Ideal for microchannel or any coil design
- Rapid emulsification of grease and grime
- Tri-Pow'r HD aerosol provides a powerful foaming spray



Part No.	Container Size	Case Qty*	Price
437175	19 Oz.	12	\$18.92
437188	1 Gal.	4	\$34.22



0523G

### RENEWZ™

- Non-acid
- Condenser
- Foaming



Part No.	Container Size	Price
0523G	1 Gal.	\$40.00

## ICE MACHINE CLEANER



NS160Z

### NICKEL SAFE

Nickel safe ice machine cleaner removes limescale deposits from nickel plated evaporators. Safe to use on stainless steel surfaces.



Part No.	Container Size	Price
NS160Z	16 Oz.	\$17.64
NS1G	1 Gal.	\$107.74



428734

### NICKEL SAFE

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



Part No.	Container Size	Case Qty*	Price
428734	16 Fluid Oz.	24	\$20.46
428708	1 Gal.	4	\$124.22



NIMC

### GENERAL PURPOSE

Removes scaled deposits from ice machine storage bins, extrusions.



Part No.	Container Size	Price
NIMC	8 Oz.	\$16.22
NIMC1G	1 Gal.	\$135.82

\* Case Quantity for ordering convenience only

# CLEANERS

## ICE MACHINE CLEANER



420747

### GENERAL PURPOSE

A food-grade liquid acid that is fast acting yet safe to use in equipment. It does not give off any harsh fumes or contain chlorine or chlorides that would attack stainless steel.



Part No.	Container Size	Case Qty*	Price
420747	8 Fluid Oz.	12	\$18.40
420708	1 Gal.	4	\$159.02



421134

### LIQUID SANITIZER

A sanitizing concentrate formulated exclusively to sanitize hard nonporous surfaces to eliminate odors and slime growths. No rinsing is required. Designed for general use in ice machines, ice cream dispensing equipment and other food processing equipment.



Part No.	Container Size	Case Qty*	Price
421134	16 Fluid Oz.	24	\$21.78

## TUBE FLUSH CLEANER



NCKFSKIT

### KLEENFLUSH

Designed to flush air conditioning and refrigeration systems. Use KleenFlush for:

- Line sets in preparation for retrofitting
- Systems after burnout

- Systems before new component installation
- Non-flammabl
- Non-ozone depleting
- Low residue formulation: easily removed by vacuum
- Removes oil/grease/acid/moisture



Part No.	Description	Price
NCKFSKIT	KleenFlush Starter Kit, Includes: Can Actuator, Hose, Flush Injection Tool, Can of Flush	\$193.36
NCLKFS16	Liquid KleenFlush, 16 Oz. Can	\$98.46
1NCKFS	KleenFlush 1 Lb. Can	\$95.26
2NCKFS	KleenFlush 2 Lb. Can	\$183.04

## KLEENFLUSH ACCESSORIES



KFITT



Part No.	Description	Price
KFITT	Flush Injection Tool Tips: Line Set Tool, 1/4" MFL Adapter	\$19.50
KFCA	Flush Can Actuator	\$32.52
KFIT	Flush Injection Tool	\$49.64



CF40



Part No.	Container Size	Price
CF40	1 Gal.	\$174.78

## INTERNAL SYSTEM, COIL FLUSH

Flush solvent for removing acid, sludge, grease, tar and oil from refrigeration systems after compressor burnout. Use CF40 for cascade & x-low temp systems.



430008

## RX-11 FLUSH®

An ozone-safe solvent engineered specifically for flushing refrigeration and air conditioning systems. Used exactly like the old R-11 flushing process, R11 is strong enough to rinse away particulate, sludge, carbon residues, acids, oils and water.

- Packaged in a convenient pressurized container.
- Safe, nontoxic and nonflammabl
- Low boiling point enhances complete evaporation
- Modern packaging minimizes solvent exposure to hands, eyes, and lungs



Part No.	Description	Application	Price
430008*	Starter Kit, 1 lb. can, Gun, Hose, Valve	1 Lb., 3 to 4Tons	\$259.36
430009	System Flush, 1 Lb.	1 Lb., 3 to 4Tons	\$114.80
430011	System Flush, 2 Lb.	2 Lb., 5 to 7Tons	\$220.58
430010	Start Up Pack, 2 x 2 Lbs., Access Valve	4 Lb., to 14Tons	\$507.14
430015	System Flush, 13 Lb.	13 Lb., to 50 Tons	\$1,304.28
430026	System Flush, 26 Lb.	26 Lb., over 50 Tons	\$2,478.34

\* Case Quantity for ordering convenience only

⚠️ \*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

CLEANING SOLVENT

COIL PROTECTANT



NDS170Z

DEGREASER

- Environmentally friendly
- Non-conductive to 29,000 volts
- Fast drying, leaves no residue



Part No.	Description	Container Size	Price
NDS170Z	HD Degreasing Solvent, Aerosol	14 Oz.	\$21.12



GREZOFF

GREZ-OFF® DEGREASER

Breakthrough degreaser/cleaner with blockbuster power. Cuts heavy grease and soil quickly. GREZ-OFF® does not contain any petroleum solvents, phosphates or acids and is nonflammable

- Authorized by USDA for use in federally inspected meat and poultry plants



Part No.	Container Size	Case Qty*	Price
GREZOFF	32 Oz.	12	\$26.40
22701	1 Gal.	6	\$70.88



LT79040

CHISEL® GASKET REMOVER

Lifts off baked-on gaskets, gasket cements, formed-in-place gaskets, carbon deposits, dried oil, grease and paint on any type of metal in minutes. A chemical liquid that works to remove pre-cut conventional gasket cements as well as formed-in-place chemical gaskets.

790 Chisel® gasket remover is ideal for removing:

- Baked-on gaskets and gasket cements from any type of metal surface
- Chemical formed-in-place gaskets, including RTV silicone and anaerobic materials
- Gaskets from aluminum components without scraping or damaging machine surfaces
- Gaskets from small or difficult-to-reach component
- Baked-on grease and oil deposits



Part No.	Container Size	Case Qty*	Price
LT79040	18 Oz. Aerosol	10	\$38.14



414832

CAL-SHIELD™

Specifically designed for application on air-cooled condensers, evaporator coils and other finned heating and coolin coils where it forms a micro-thin or molecular film of eflon. Once applied, Cal-Shield™ will shield and protect the coil from adverse conditions within the operating environment.

- Formulated with DuPont teflon surface protecto
- Food grade product, made with FDA approved ingredients
- Extends life of coils operating in corrosive environments like salt air and food acids



Part No.	Container Size	Case Qty*	Price
414832	1 Qt.	6	\$66.44
414808	1 Gal.	4	\$160.80

BACTERIA/FUNGI CONTROL



410808

ALGAECIDE, LIQUID

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 such as cooling towers, evaporative condensers and closed cooling water systems and industrial air-washing systems.

- Can be slug fed, drip fed with the No. 215 or No. 1075 drip feeders or fed with a chemical solution pump
- Effective in both alkaline and acid waters
- Nonvolatile



Part No.	Container Size	Case Qty*	Price
410808	1 Gal.	4	\$314.24



412634

BIO-FRESH®

Bio-fresh® cd is a ready-to-use bacteriostat, fungistat and deodorizer based upon chlorine dioxide technology. It is recommended for control of bacteria, mold, mildew, fungi and yeasts in IAQ applications. It is safe for fogging and may be applied to occupied space.

- Provides effective microbial control of evaporator coils, condensate pans and surrounding ductwork
- Effective against Legionella bacteria



Part No.	Container Size	Case Qty*	Price
412634	1 Qt.	12	\$29.56
412638	1 Gal.	4	\$50.24

\* Case Quantity for ordering convenience only

# BACTERIA CONTROL

## BACTERIA/FUNGI CONTROL



429536

### PAN-PADS®

The product is a quaternary-based biocide, formulated in tablet form and enclosed in a plastic housing which in turn is sealed ultrasonically to an absorbent white filter pad. Water is absorbed by the pad and wicked to the tablet, resulting in the immediate but controlled release of the biocide.

- Formulated buffering agents help protect pan against corrosion
- Three-month service life, 24 hours per day in all climates



Part No.	Description	Container Size	Application	Price
4295-36	6.5" long x 1.5" wide x 3/8"	3.25 Oz.	Up to 5 Tons	\$13.96
429534	2-3/4" long x 2-1/4" wide x 1/2"	3/4 Oz.	Up to 5 Tons	\$13.96
429624	3-3/8" long x 2-1/2" wide x 7/8"	2 1/8 Oz.	Up to 15 Tons	\$35.02
429645	8" long x 2-3/4" wide x .875"	6 Oz.	Up to 45 Tons	\$76.64



416524

### DRAIN SOLVE

Drain Solve is an alkaline-based drain opener which removes grease, hair, vegetable and other organic matter. It is non-fuming and it will clean and clear drains quickly. Simply pour it down the drain and let it work without fear of noxious fumes or reactions that

may squirt corrosive chemicals into face and eyes. This product is NSF registered.

- Perfect for clogged A/C condensate lines as well as kitchen, bathtub, & lavatory drains
- Non-fuming (no rotten egg odor)
- No violent eruptions
- Pours through standing water
- Cuts through grease and organic matter



Part No.	Container Size	Price
416524	1 Qt.	\$16.10
416508	1 Gallon	\$51.38



SANICND32

### SANI C-N-D™ COIL AND DRAIN PAN DISINFECTANT

EPA registered disinfectant, fungicide, mildewstat and viricide. It is ready-to-use and assures consistent, effective results. Destroys "dirty sock," mildew and other malodors.

May be used on washable hard non-porous surfaces such as: exhaust fans, refrigerated storage and display equipment, coils and drain pans of air conditioning and refrigeration equipment and heat pumps.

Contains an EPA registered hard surface disinfectant qualified for use against the coronavirus that causes COVID-19.



Part No.	Container Size	Price
SANICND32	32 Oz.	\$33.60
SANI-CND	1 Gallon	\$41.42



CDT

### DRAIN PAN CONDENSATE TABS

- Easy to use
- Completely soluble
- Non-corrosive



Part No.	Container Size	Price
CDT	200 Tablets	\$43.26



RT800S

### VIPER PAN AND DRAIN TREATMENT

Viper Pan and Drain T treatment is a spray gel that contains enzymes and silicone detergents. The enzymes will penetrate and break through the solid layers of slime, sludge and sediment.

The silicone detergents coat the pan, p-trap and drain piping lubricating to improve flow and prevent future soil adhesion. The slow dissolving gel will outperform and outlast conventional tablets and strips.

- Enzymes Break Down Slime and Sludge
- Spray Application Ensures Full Coverage
- Leaves Behind a Non-Stick Surface



Part No.	Container Size	Price
RT800S	32 Oz.	\$25.80



NL2-32OZ

## NU LINE® DRAIN LINE CLEANER

Designed to prevent water damage to ceilings, walls and flooring caused by clogged A/C condensate drains. Formulated to prevent clogs and flood by loosening and removing slime and scum build-up in A/C, refrigeration and drinking fountain condensate drain

panels, lines and pumps. Resists further build-up for up to 90 days.

- Non-Corrosive
- Non Fuming
- Ready to Use
- Biodegradable
- Will not harm drain pipes or pans



Part No.	Container Size	Application	Price
NL1-8OZ	8 Oz. Bottle	Treats up to 4Tons	\$10.56
NL2-32OZ	32 Oz. Bottle	Treats up to 16Tons	\$38.96



2001D

## PURCOOL™ PAN STRIPS

PurCool™ is a time release product designed to keep condensate pans and drains clean and free flowing preventing costly condensate pan overflows. Place PurCool™ strips in air conditioning and refrigeration condensate pans for up to 6 months of overflow protection



Part No.	Description	Application	Case Qty*	Price
2001D	1.25 Oz. 3" strip	3Tons	36	\$16.52
2003D	3 oz, 8" strip	8Tons	36	\$29.64
2009	9 oz., 24" strip	24Tons	12	\$72.60



429660

## PAN TREAT™

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 its use 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.

- 1 tablet per ton of system capacity / month in condensate pans
- 2 to 4 tablets every 4 to 6 weeks in humidifier



Part No.	Container Size	Price
429660	200 Tablets	\$48.10



418503

## GEL TABS, DRAIN PAN TREATMENT

- Protects drain pan against clogs
- Gel formulation locks tab into place
- Completely dissolves
- Leaves no waxy residue
- Up to 3 months of protection
- Eliminates foul and musty odors



Part No.	Container Size	Application	Price
418503	12 Tabs	Treats up to 3 tons	\$40.06
418504	200 Tabs	Treats up to 3 tons	\$405.30
418505	6 Tabs	Treats up to 5 tons	\$47.60
418515	One Tab	Treats up to 15 tons	\$33.56



FLOWPLUS6

## FLOW-PLUS

- Long-term release
- Dissolves completely
- Economical, no waste
- Biodegradable
- Non-Corrosive
- Environmentally Safe
- Non-Hazardous



Part No.	Description	Container Size	Case Qty*	Price
FLOWPLUS6	Treats 3 to 5 tons	6 Oz. Clamshell	24	\$56.24
SCM184	Treats 5 to 20 tons	10 Oz. Tube	18	\$56.24
FLOWPLUS125	Treats 20 to 50 tons	1.25 Lb. Tube	8	\$112.44
SCM183	"Mini-Tabs", Treats 1/2 to 3 tons	25 Tabs/Jar	24	\$66.74
FLOWPLUS200	"Mini-Tabs", Treats 1/2 to 3 tons	200 Tabs/Bottle	4	\$461.76



PCG5MS

## PURCOOL™ GREEN STRIPS

PurCool™ Green strips prevent slime and sludge build-up in mini-split drain pans. They utilize unique, environmentally friendly plant-based suspending and dispersing action to prevent build-ups, overflow, and odors in drain pans. When placed in the drain pan,

PurCool Green will slowly dissolve in the condensate water, providing preventative treatment for 4-6 months. PurCool Green does not contain any harsh chemicals or biocides, making them safer for the user and the environment.



Part No.	Description	Application	Price
PCG5MS	Mini Strip	Up to 5Tons	\$18.80

\* Case Quantity for ordering convenience only

# CORROSION CONTROL

## SCALE/CORROSION CONTROL



NSR1G

### LIQUID SCALE DISSOLVER

- Removes severe build up of lime and scale in cooling towers and evaporative condensers
- When dissolved, pH color indicator is activated
- Contains metal corrosion inhibitors



Part No.	Container Size	Case Qty*	Price
NSR1G	1 Gal.	4	\$43.14
NSR5G	5 Gal.	1	\$179.12



416708

### ECO-LYME, SCALE REMOVAL/DESCALING

Formulated descaler with unparalleled performance coupled with an excellent eco-profile. Active ingredient is found in nature.

- Unique and versatile performer for the HVAC/R market. Descaling applications include cooling towers, evaporative coolers, hot water boilers, processing equipment and more.
- New chemistry rapidly removes scale and rust
- Significantly safer on metals than competing hydrochloric acid based descalers. Chemistry accomplishes task and prolongs equipment life.
- Safe on carbon steel, aluminum, stainless steel and copper.
- Readily biodegradable per OECD 301A, a recognized method for establishing biodegradability.
- Odorless, making it safer to handle.
- Low foaming chemistry for added safety.



Part No.	Container Size	Case Qty*	Price
416708	1 Gal.	4	\$40.52
416705	5 Gal.	1	\$184.92



RYD04

### RYDLYME BIODEGRADABLE DESCALER

RYDLYME biodegradable industrial descaler is used to safely and efficiently dissolve tough mineral deposits, such as water scale, lime scale, calcium, rust and even struvite.

It is fortified with a complex formula of wetting and penetrating agents that dissolve mineral deposits into solution for quick and easy disposal.

RYDLYME is the only product of its kind that is truly non-toxic and non-hazardous. It can be safely handled by personnel (you can even hold it in your hand without injury) and there are NO transportation or handling restrictions.

RYDLYME is certified by an E A-approved testing laboratory as a fully biodegradable and environmentally non-hazardous chemical, even at 100% concentration without neutralization.

RYDLYME is as much as 12x faster than other chemical descalers, with most cleaning applications completed within a few hours. It can be circulated through equipment or system without arduous and costly dismantling.

RYDLYME descaler is all-encompassing and will not erode, pit, oxidize or have other detrimental effects on materials such as iron, copper, rubber, stainless steel, plastic, brass, glass, titanium, nickel and other materials associated with water-based equipment.



Part No.	Container Size	Price
RYD04	1 Gal.	\$50.00
RYD05	5 Gal.	\$214.00
RYD55	55 Gal.	\$2,400.00



433008

### LIQUID SCALE DISSOLVER

For removing scale and corrosion from cooling tower and cooling water systems.

- A liquid hydrochloric acid scale remover
- Concentrated and fast acting

- Quickly dissolves iron oxide deposits
- Contains low-foaming corrosion inhibitors
- 1 gal. will dissolve 3 lbs. of scale
- pH color indicator



Part No.	Container Size	Case Qty*	Price
433008	1 Gal.	4	\$52.64
433005	5 Gal.	1	\$224.92

\* Case Quantity for ordering convenience only



434005

## LIQUID SCALE INHIBITOR

This unique organic scale inhibitor is extremely effective, particularly when the water is extremely hard and high in alkalinity. No. 340 liquid scale inhibitor is stable and does not form any orthophosphate sludge. There is no breakdown up to

the boiling point, even in highly alkaline or acid solutions. A feed rate of 1/2 gal. per month is recommended for each 30 tons with a bleedoff rate of 1 gal. per minute.



Part No.	Container Size	Case Qty*	Price
434008	1 Gal.	4	\$202.86
434005	5 Gal.	1	\$852.18
434001	55 Gal.	1	\$5,538.80



438701

## VITAL-FLO TANKLESS WATER HEATER DESCALER KIT

A complete service tool for descaling tankless water heaters. It consists of a 1/6 hp submersible descaler pump, a set of five foot 3/4" female hose threaded assemblies, and an 8 fl. oz. formulated descaler solution packaged in a lidded 4 gallon chemical resistant container.

The pump and hose assemblies in the kit are designed for repeated use for ongoing descaling requirements. The lid on the canister has a port that allows the hose assemblies and electrical cord to be fed through the lid while the lid is fastened to the canister. The solution is available separately and packaged so each bottle is appropriate for a typical service call.



Part No.	Description	Price
438701*	Vital-Flo Kit	\$555.60
438702	Vital-Flo Descaler Solution Refill, 8 Oz	\$16.40



751905

## TY-ION, CLOSED SYSTEM

For treating various boiler water related problems.

- 5 gallon pails



Part No.	Description	Formulation	Price
751905	Sludge, Oxygen, Corrosion Protection	Low Pressure Steam Boilers, B14A	\$528.06
753705	Corrosion Protection	Closed System Chilled or Hot Water, B20	\$418.80



759705

## TY-ION, COOLING SYSTEM

Ty-Ion C70 is an all-organic liquid scale, deposit and corrosion inhibitor for use in open recirculating cooling water systems, evaporative condensers and air washer systems. It provides excellent protection for both the ferrous and nonferrous metal

components of the systems. The patented polymer is extremely effective in controlling phosphate-based scales and is also effective in dispersing iron oxide, silt, mud and clay to facilitate removal through the bleedoff.



Part No.	Container Size	Price
759705	5 Gal.	\$811.10



414905

## CAL-TREAT 233

Soft, low alkalinity waters are hungry and tend to eat up condensers and piping in water-cooled air conditioning and refrigeration systems. Put a stop to corrosion problems with Cal-Treat 233, the most effective corrosion inhibitor known for cooling water systems.

As a general rule this treatment should be used where the make-up water has a total alkalinity of below 30 parts per million or where there is definite evidence of corrosion.



Part No.	Container Size	Price
414905	5 Gal.	\$594.24



419002

## HUMIDI-PRO

Humidi-Pro 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. Equipped with John Guest fittings

Operating temperature, min./ max, 40° - 80° F



Part No.	Description	Price
419002*	Humidifier Treatment	\$47.48



1317E

## BOILER WATER TREATMENT



Part No.	Description	Container Size	Price
1317E	Sealmaster™, Fills Holes, Cracks in Steam Boilers	1 Qt. Bottle	\$22.90
1323YD	Surgex™, Surge, Foam Prevention in Steam Boilers, Concentrate	1 1/2 Oz.	\$25.00
1309E	8-Way™, Complete Boiler Water Treatment, Scale, Corrosion, Foam	1 Qt. Bottle	\$21.30

\* Case Quantity for ordering convenience only

**⚠** \*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# CORROSION CONTROL

## SCALE/CORROSION CONTROL



436088

### POWDERED SCALE DISSOLVER

- A powdered sulfamic acid formulation
- 2 lbs. of Imperial scale remover will dissolve 1 lb. of scale
- Wetting and antifoaming agents are added to improve performance

- A built-in pH color indicator lets you see when the system is clean
- Will give off no obnoxious or corrosive fumes



Part No.	Container Size	Price
436088	10 Lb.	\$191.60
436084	50 Lb.	\$849.44



436488

### MICROMET® PLATES

Micromet plates inhibit scale formation by holding the scale-forming minerals in solution long enough to be carried away through the bleed-off. They also form a microscopic, thin protective film on metal surfaces to reduce corrosion.

- Low cost treatment
- One charge lasts 5-6 months
- Nonstaining
- Treated water will not harm grass and plants
- Authorized by the U.S.D.A. for use in federally inspected meat and poultry establishments



Part No.	Container Size	Price
436488	5 Lb.	\$335.56



46030

### ACID PUMP

Specially designed for circulating hydrochloric acid or strong sulfamic acid cleaning solutions through scaled water-cooled condensers, heat exchangers, water heater coils, water lines, coffee urns and other water handling equipment. Can also be used for agitating or mixing chemical solutions.

- All parts made of acid-resistant materials
- Double seals on shaft
- Completely submersible
- Compact 4 1/2" x 2 5/8" x 4 1/4"



Part No.	Description	Price
46030	Acid Pump	\$434.04
46040*	Acid Pump Hose Kit	\$122.24



4669W3

### DRIP FEEDER

The Nu-Calgon drip feeders are used to feed No. 340 liquid scale inhibitor, Cal-Treat® 233, Ty-Ion C70 and No. 85 Algaecide to recirculating cooling water systems. The feeder assembly consists of a coil of capillary tubing with a probe, a weight, syringe and a clamp. Each feeder is calibrated at the factory to assure accurate delivery.



Part No.	Max. Flow Rate	Price
4669W3*	3 Gal./Month	\$113.76
4670W3*	12 Gal./Month	\$113.76



46060

### CONTAINER BRACKET

Use to set up chemical feed systems using chemical container and drip feeder.



Part No.	Description	Price
46060	Liquid Container Bracket, 1 Gal.	\$77.42
46070	Liquid Container Bracket, 5 Gal.	\$225.78



4299T8

### PUMP PROTECTOR

Protects seasonally operated pumps during shutdown.

- Ends pump impeller binding
  - Protects against corrosion
  - Safe for all types of water pumps
  - Requires no special rinsing at startup
- This product has been authorized by the U.S.D.A. for use in federally inspected meat and poultry plants



Part No.	Container Size	Case Qty*	Price
4299T8	10 Oz.	12	\$33.24

\* Case Quantity for ordering convenience only

\*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## CONTAMINATION CONTROL



AA20Z

### AC/R ACID-AID

- Universal acid scavenging solution, works with all AC/R refrigerants and lubricants (MO, POE and AB)
- Twice as concentrated as other formulas
- No harmful effects to AC/R system components

- Applications: after compressor burnouts, preventive maintenance, to protect recovery equipment
- 2 Fl. oz. per gallon of oil (10 lbs of refrigerant, 5 tons of cooling, or 10 HP)



Part No.	Container Size	Oil Usage	Price
AA20Z	2 Oz.	MO, POE and AB	\$46.86



406056

### A/C RESTART™

A/C ReStart™ is a specially formulated treatment when retrofitting an R-22 air conditioning system to an alternative such as R-407C, R-427A or other. A/C ReStart™ is a POE lubricant based treatment with Acid Scavenger® Technology designed to boost oil return

within the system while addressing trace acids when converting to R-410A is not an economic option for the owner.

- Eliminates oil change-out by boosting oil return
- Rx-Acid Scavenger technology addresses trace acids at retrofit
- Quick one-time disposable injector
- Treats up to 5 tons; for systems 5-10 tons, use two treatments



Part No.	Description	Price
406056	A/C Restart™ connect inject, with Rx-Acid scavenger	\$92.58
415501	A/C Restart™ connect injector tool, with Rx-Acid scavenger	\$48.22



45004

### ACID AWAY®

Circulates quickly throughout the system and chemically neutralizes acids that are left in an air conditioning or refrigeration system after a burnout occurs.



Part No.	Container Size	Oil Usage	Price
45004	4 oz.	Mineral, Alkylbenzene	\$52.66
45009	4 oz.	POE	\$56.56



QT2501

### QWIKSHOT® REFRIGERANT AND OIL TREATMENT

Developed to solve the problem of treating acid without leaving disruptive residues. Neutralization acid treatment must leave a residue of some kind and residues can cause problems. Instead of neutralizing, QwikShot® Refrigerant

and Oil Treatment quickly flushes any harmful acids into the filter-drier of an operating system.

- Guaranteed safe for ALL systems
- OEM Approved
- Works with all refrigerants, oils, and filter-driers
- Produces no residue or contamination
- One bottle treats up to a 6-ton unit and removes up to 26 drops of moisture



Part No.	Description	Price
QT2501*	QwikShot®, 0.5 Fl. Oz.	\$26.70



430102

### ACID SCAVENGER

Rx-Acid Scavenger provides a better, more convenient way to neutralize or scavenge acid in refrigeration, air conditioning systems... after burnouts or during normal on-going systems maintenance. Normal dosage rate is 2 fl. oz. of Rx-Acid Scavenger for 1 gallon

of system oil. Acid Scavenger is formulated for use with all lubricants... mineral, alkylbenzene, and polyol ester. Use after system burnout to scavenge acid products in the system, or change a system with Rx-Acid Scavenger to neutralize acid conditions should they develop.



Part No.	Description	Price
430102	Acid Scavenger, Unpressurized Can, 2 oz.	\$53.16
430105	Acid Scavenger, Pressurized Can, 3.8 oz.	\$53.16

## LEAK DETECTION



RT100S

### "BIG BLU"

Leak check solution. The low temperature formulation is protected to -30°F.



Part No.	Description	Container Size	Price
RT100S	Big Blu	1 Qt. Spray	\$19.44
RT100G	Big Blu	1 Gal.	\$50.66
RT150S	Big Blu Low Temperature	1 Qt. Spray	\$24.42
RT150G	Big Blu Low Temperature	1 Gal.	\$88.42

\*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# LEAK DETECTION

## LEAK DETECTION



NCB32

### GAS LEAK DETECTOR

- NSF Registered
- Regenerating bubbles
- Ultra sensitive to micro leaks



Part No.	Description	Container Size	Price
NCB	Blue Spray Bottle, Ultra-Sensitive	32 Oz.	\$12.92
NCBG	Blue Refill, Ultra-Sensitive	1 Gal.	\$38.72
NCIB	Blue Spray Bottle, Ultra-Sensitive, Low Temp	32 Oz.	\$18.68
NCIBG	Blue Refill, Ultra-Sensitive, Low Temp	1 Gal.	\$67.76



NLDC

### GAS LEAK DETECTOR

NRP leak detectors are designed for fast and easy location of gas leaks. They are easy to use because of their high viscosity and foaming characteristics. NRP Blue leak detector can be used down to -30°F.

NRP Fluorescent leak detector is well suited for poorly lit areas. NRP Clear leak detector is extra thick to stay in place and can be used down to -5°F.



Part No.	Description	Container Size	Price
NLDC	Clear, Dauber	8 Oz.	\$10.20
NLDF	Fluorescent Dauber	8 Oz.	\$10.20



418053

### GAS LEAK DETECTOR

Nu-Calgon chemical gas leak detectors have the proper viscosity in order to remain on the surface and facilitate the formulation of the bubbles. They are noncorrosive to the metal surfaces of the piping and fittings and are functional at low temperatures (freeze-protected) as well as high or elevated temperatures

- Regular leak detector not recommended for use with oxygen systems
- Regular leak detector and Cal-Blue will not leave fluorescent residue affecting black light systems



Part No.	Description	Container Size	Case Qty*	Price
418053*	Regular Leak Detector	6 Oz.	24	\$16.40
418224	Cal-Blue Leak Detector	1 Qt.	12	\$20.16
418208	Cal-Blue Leak Detector	1 Gal.	4	\$54.00
418324	Cal-Blue Low Temperature	1 Qt.	12	\$29.60
418308	Cal-Blue Low Temperature	1 Gal.	4	\$77.26
418424	Fluorescent Leak Detector	1 Qt.	12	\$29.48
418408	Fluorescent Leak Detector	1 Gal.	4	\$59.64



TR4

### TRACE®

A concentrated red dye penetrant in a mineral oil base that is completely harmless to refrigeration, air conditioning and hydraulic equipment.



Part No.	Container Size	Case Qty*	Price
TR4	4 Oz.	12	\$19.84
TR16	16 Oz.	6	\$29.84

## AEROSOL



N4830

### NATIONAL CHEMICALS



Part No.	Description	Container Size	Price
N4830	Electric Contact Cleaner	11 Oz.	\$37.08
N4840	Silicone Spray	11 Oz.	\$28.18
N4890	Evap Kleen No Rinse Evap Coil Cleaner	19 Oz.	\$16.76
BLASTOFF	Blast Kleen Solvent Coil Cleaner	18 Oz.	\$25.14
WHA	Wasp and Hornet Spray	14 Oz.	\$23.00

\* Case Quantity for ordering convenience only

\*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



408203

## NU-CALGON



Part No.	Description	Container Size	Price
408203	Electrical Contact Cleaner	16 Oz.	\$46.06
408390	DuraCoil, OEM-approved Heresite® coating. Protects coils from corrosion.	11 Oz.	\$30.76
408375	Degreasing Solvent ef	17 Oz.	\$26.24
408403	Food Grade Silicone	10 3/4 Oz.	\$35.02
408703*	Zinc Galvanizing Spray	16 Oz.	\$35.02
408004*	Spray Adhesive	11 Oz.	\$37.94
429275	Wasp and Hornet Killer	17 Oz.	\$24.86
429650*	Pan-Spray™ Leak Sealer, White	16 Oz.	\$44.62
429651*	Pan-Spray™ Leak Sealer, Black	16 Oz.	\$44.62
417175	Evap Foam® No Rinse Evaporator Coil Cleaner	18 Oz.	\$21.02
429118	Nu-Brite® Condenser Coil Cleaner	18 Oz.	\$18.10
412775	Blackhawk Expanding Foam Coil Cleaner for Evaporators/Condensers	18 Oz.	\$16.62
429075*	Nu Blast® Condenser Coil Cleaner	18 Oz.	\$30.74
413220	Cal-Blast® Condenser Coil Cleaner	20 Oz.	\$26.44
47760	Talon Flexible Aerosol Precision Wand, for use with Evap Foam No Rinse, Blackhawk and PenetrateHD, 27" Long		\$43.54



0514DA

## RECTORSEAL



Part No.	Description	Container Size	Price
0514DA*	Dirt Blaster, Cleaner/Degreaser	20 Oz.	\$28.04
0515DA*	Grime-Solv™, Foaming Degreaser	14 Oz.	\$23.20
0530DA*	Zipp™, Quick Drying, Electrical, Nonconductive Degreaser	14 Oz.	\$20.94
0905DA	Penetrant-Anti-Seize Lubricant	12 Oz.	\$15.66



16PB

## PB BLASTER

B'laster PB Penetrating Catalyst is a powerful, concentrated penetrant that frees stubborn rusted or immobilized parts by releasing the surface tension that causes them to stick. PB magnetically creeps up, around and into tight, hard-to-reach cavities, then converts into a high lubricant, loosening troublesome nuts, bolts, rusted joints, pipe threads and other frozen parts in record time! B'laster PB's non-evaporating formula then stays on the surface of the part to protect against rust and corrosion.



ENERGY SAVING PRODUCTS

Part No.	Description	Container Size	Price
16PB	Penetrating Catalyst	16 Oz.	\$19.96



RT375A

## FOOD GRADE COIL DEGREASER

Viper is a potent degreasing compound that does not contain any hazardous ingredients or give off toxic fumes. The Aerosol injector produces rich penetrating foam having excellent vertical hold. The foam will liquefy and drain after a few minutes

removing heavily imbedded grease and grime. Viper is excellent for cleaning small kitchen equipment, condenser and evaporator coils. Condenser coils only require a light water rinse and there is no need to rinse evaporator coils.



Part No.	Description	Container Size	Price
RT375A	Food Grade Coil Degreaser	18 Oz.	\$18.20



RT640A

## DEFENDER COIL COATING

Defender Coil Coating is a solvent borne thin film epoxy resin that will bond to all metals. The product will air dry under normal conditions to complete hardness in less than 30 minutes. A one time application is all that is necessary to protect coils fins and other metals

from corrosive environments. Defender is supplied as a Clear Coating to comply with current Federal and State EPA/VOC requirements.

- Protects against salt water, corrosive chemicals, oxidation, discoloration, and extreme environments
- Compatible with all coil types
- Can withstand temperatures up to 400°F
- Does not hinder heat transfer



Part No.	Description	Container Size	Price
RT640A	Defender Coil Coating	15 Oz.	\$52.24

\*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## INSULATION



429775

Quickly adheres and dries to a hard waterproof coating.

- Provides moisture barrier
- Stops sweating and dripping



Part No.	Container Size	Case Qty*	Price
429775*	18 Oz.	12	\$29.66

## FREEZE PROTECTION



5PG96

### PROPYLENE GLYCOL

Propylene glycol heat transfer fluid contains a performance additive that prevents metal corrosion, lowers maintenance costs and improves heat transfer. Because propylene glycol has a low toxicity level, it can be used in equipment that has contact with food products and beverages.

- Inhibited
- Contains Dowfrost™ heat transfer fluid Trademark of the Dow Chemical Company DOW or an affiliated company of DO



Part No.	Container Size	Glycol Concentration (%)	Comments	Price
5PG96	5 Gal.	96	No Dye	\$222.44
55PG96	55 Gal.	96	No Dye	\$2,249.22
1PG70	1 Gal.	70	Blue Dye	\$36.60
5PG70	5 Gal.	70	Blue Dye	\$176.76
55PG70	55 Gal.	70	Blue Dye	\$1,740.60
5PG40	5 Gal.	40	Blue Dye	\$118.86
55PG40	55 Gal.	40	Blue Dye	\$1,092.82
55PG45	55 Gal.	45	Blue Dye	\$1,196.46
55PG35	55 Gal.	35	No Dye	\$1,061.52
55PG35D	55 Gal.	35	Blue Dye	\$1,061.52



PROPYL5GAL

### PROPYLENE GLYCOL

Use in applications involving possible contact with food, beverages, ground water or potable water supplies. Low acute oral toxicity. Provides freezing protection down to -50°F. More viscous at lower temperatures than ethylene glycol.

- Must be diluted for optimum efficiency and freeze protection



Part No.	Container Size	Comments	Price
PROPYL55G	55 Gal.	Not Inhibited	\$2,472.90



418907

### ETHYLENE GLYCOL

Freeze-Therm® inhibited ethylene glycol formulation. Used for heating and air conditioning, refrigeration, pavement radiant heating, waste heat recovery, sidewalk snow melting systems, ice rinks and engine cooling. Provides freezing

points down below -50°F while maintaining superior heat transfer. Inhibited formulations protect most construction materials found in HVAC applications.



Part No.	Container Size	Case Qty*	Price
418907*	1 Gal.	6	\$33.54
418905*	5 Gal.	1	\$162.76
418901*	55 Gal.	1	\$1,553.54



SCM12301

### PROTEK EG™ HEAT TRANSFER FLUID

Inhibited ethylene glycol based industrial heat transfer fluids and antifreeze designed to provide freeze and burst protection, excellent thermal conductance, protection against corrosion and fouling and long term stability in closed recirculating water loops.

ProTek EG™ fluids have an operating range of -60°F to 250°, with burst protection to -100°F. ProTek EG™ solutions are pumpable down to the freeze points listed. ProTek EG™ is suitable for ice and thermal storage systems.



Part No.	Container Size	Case Qty*	Price
SCM12301	1 Gal.	4	\$67.66
SCM12305	5 Gal.	1	\$297.66
SCM12355	55 Gal.	1	\$2,837.54



GLY32

### 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. All Glycometers™ have metal body with cushioned eyepiece, focus adjustment, and a rubber hand

grip. Included with each is a calibration screwdriver and calibration fluid, a plastic pipette, optical cleaning cloth, and a rugged carrying case.



Part No.	Temperature (°F)	Price
GLY32	-60 to 32	\$269.80

\* Case Quantity for ordering convenience only

\*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**CLEANER APPLICATION**



47730

**CLEAN CONNECT SPRAYER**

The Clean Connect Sprayer is uniquely developed for the use of Nu-Brite 4x (429190), Alka-Brite Plus 4x (412090) and Tri-Pow'r HD 4x (437190) concentrate coil cleaners for cleaning outdoor air cooled HVAC/R coils. The bottles in each of these cleaners contain a

- Concentrates easier to carry on roof/long distances
- One concentrate quart equals one gallon of traditional coil cleaner (at 4:1 dilution)
- Dilution orifice in bottle – less likely for sprayer to clog
- Use what is needed- simply cap bottle for next job
- Cleaners ship easier to job site as Limited Quantity
- Sprayer comes with attachment for Nu-Calgon Probe (47741)
- Sprayer comes with nylon mesh carrying bag

specific dilution tip insert assembly to where the Clean Connect Sprayer simply is hooked to the bottle and go!

- Cleaner connecting – no more pouring or spilling
- Concentrates take less space on truck

**Sprayer and cleaners sold separately**



Part No.	Description	Price
47730	Clean Connect Sprayer	\$211.30
412090	Condenser coil cleaner, Alka-Brite®, 4x Concentrate, 1 Qt.	\$49.32
429190	Condenser coil cleaner, Nu-Brite®, 4x Concentrate, 1 Qt.	\$48.06
437190	All purpose coil cleaner, Tri-Pow'r™, 4x concentrate, 1 Qt.	\$35.90



415002

**CLEAN GUARD**

- Professional maintenance bag for wall-mounted ductless systems.
- For use when cleaning indoor coils with Nu-Calgon cleaners
- Easiest install on the market – installs in seconds

- Durable braided elastic band with wheel lock adjusts in seconds for a desired fit
- Heavy duty design
- Eight-foot drain line for Clean Guard (XL).
- 360° coverage prevents overspray on wall
- Reusable



Part No.	Description	Price
415002	Mini-split bib, XL, for units 1.5 to 3 tons. Adjustable, approx. 62" wide.	\$102.28



81671

**IK FOAM PRO SPRAYERS**

Range of sprayers equipped with the maximum performance in terms of safety and ease of use. Manufactured for the generation of dry and long lasting foam. Designed for use with chemical agents with surfactant properties (surface active).



Part No.	Description	Use with	Working Tank Capacity	Price
81671	1/2 Gallon Sprayer, best suited for acids, alkalines and alcohol substances. Safety release valve, set at 45 psi, depressurizable.		25 Oz.	\$59.70
81676	IK FOAM Pro 2 sprayer, 64 Oz	Foaming agents	42 Oz.	\$68.10
82676	IK FOAM Pro 12 sprayer, 2.6 Gallons	Foaming agents	1.58 Gallons	\$173.96
83811611	Fan nozzle	82676		\$26.66
83811821	Handle	82676		\$23.84
83811835	Hose	82676, 81676		\$19.84
81776602	Filter (10 units)	81676		\$21.66

CHEMICALS & SOLVENTS

## CLEANER APPLICATION



82672

### IK MULTI PRO SPRAYERS

Sprayer with the highest performance in terms of safety and ease of use. Designed for professional use with the most aggressive chemicals from various sectors. Especially resistant to acids.

- Stainless opening and closing handle with safety lock

- Possibility of identifying content through cards
- Easy use parking lance
- System for pump holder during filling
- Integrated funnel in tank

- Safety valve tared at 43.5 psi with depressurisation option. Avoid contact with gases
- Stable base with support for feet
- Transport belt in shoulder strap
- Translucent tank with level indicator
- All plastic parts and washers resistant to most acids and solvents
- Innovative and ergonomic design
- Filter on the lance
- Possibility of adapting other types of nozzles and accessories
- Supplied with adjustable cone spray nozzle and even fan spray nozzle



Part No.	Description	Use with	Working Tank Capacity	Price
82672	IK MULTI Pro 9 heavy duty sprayer, 2.1 Gallons	Optimal: Foaming agents Suitable: Solvent-based pesticides Alcohols Oils, solvents and petroleum by-products	1.58 Gallons	\$119.86
82671	IK MULTI Pro 12 heavy duty sprayer, 2.64 Gallons	Optimal: Foaming agents Suitable: Solvent-based pesticides Alcohols Oils, solvents and petroleum by-products	2.11 Gallons	\$133.96
82671821	IK PRO Sprayer Handle	82671, 82672	-	\$28.34
83811803	Elbow with nozzle	82671, 82672	-	\$23.00
82677828	Tube with nuts	82671, 82672	-	\$14.84



839701

### IK MULTI PRO BACK SPRAYER

Lightweight and comfortable back sprayer for transport and use. Resistant to acids and designed for professional use with the most aggressive chemical agents for various sectors.

- All plastic parts and washers resistant to most acids and solvents

- Translucent tank with level indicator
- Easy assembly and taking apart for cleaning and maintenance, tool free

- Carrying handle and straps for carrying over shoulder
- Clamp for lever
- Tank lid with anti-drip
- Large opening with filter for easy filling and clean
- 20 inch extension lance available as an accessory
- Adjustable padded straps
- Liquid shaker inside
- Supplied with adjustable cone spray nozzle and even fan spray nozzle



Part No.	Description	Use with	Working Tank Capacity	Price
839701	IK MULTI 12 backpack sprayer, 3.37 Gallons	Optimal: Foaming agents Suitable: Solvent-based pesticides Alcohols Oils, solvents and petroleum by-products	3.37 Gallons	\$195.60

**CLEANER APPLICATION**

**POWER CLEANING**



**COIL GUN**

A hose-end sprayer that features 4 different mix ratio settings designed for coil cleaners. Utilizes a 2 qt. capacity bottle and includes a foam wand as well as quick disconnect capability.



47740

Part No.	Description	Working Tank Capacity	Price
47740*	Hose Nozzle Sprayer	2 Qt.	\$161.08
47741*	Coil Gun Probe, Long, 90° Direction Spray		\$150.36



**TOMMY GUN**

2 quart compression sprayer made out of high pressure impact polyethylene. Equipped with adjustable spray nozzle, the Tommy Gun is light weight and easy to use.



ESP007

Part No.	Description	Price
ESP007	"Tommy Gun" Compression Sprayer.	\$69.26



**HAND SPRAYER**



N4768Q

Part No.	Description	Price
N4768Q	1 Quart Hand Sprayer	\$6.70



**CONDENSERNEEDLE®**

- Connects to standard garden hose
- Force dirt and debris back in the direction it entered - a proven technique for increasing coil cleaning and system efficiency.
- 90° spray wand and 3 gallon per minute flow blasts dirt and grime,

won't damage fins and virtually eliminates electrical tripping issues.

- Fits easily through the top of most condenser units, no more hassling to remove the top of the unit.



CN03

Part No.	Description	Price
CN03	42" H x 3" W x 3" D	\$323.08



**COILJET**

- Small, portable design makes it easy to clean HVAC coils in hard to reach areas such as PTAC's, rooftops, evaporators, refrigeration units and attics, where access to power and water is limited.

CJ125

- Output pressure: 125psi at 0.6 gal./minute
- Input power: 12A, 12v DC deep cycle rechargeable sealed lead acid battery
- Optional 8945 36" Spray Wand with 90° nozzle lets you clean coils from the inside out, forcing dirt and debris back in the direction it entered. Perfect for microchannel coils.
- CJ125 Dimensions: 19" H x 10" W x 18" D
- CJ125 can hold up to 3.375 gallons of freshwater and 1.75 quart of cleaning solution



Part No.	Description	Delivery Pressure (psi)	Price
CJ125*	Portable Pressure Sprayer, 125 psi	125	\$1,326.00



**COILJET® ACCESSORIES**

CJ9657



Part No.	Description	Price
CJ125KITSB*	CoilJet Battery with Charger for CJ125	\$313.84
CJ224	CoilJet Replacement Charger for CJ125	\$156.84
CJ225	CoilJet Battery Charger with Lugs for CJ125	\$166.06
CJ9613*	CoilJet Battery for CJ125	\$150.46
CJ9689*	CoilJet Battery for CJ95 / CJ75, 12V/7A	\$126.46
CJ9693	CoilJet Battery Charger for CJ95 (Included with unit)	\$105.14
8924	CoilJet Battery Charger with Lugs	\$116.30
8944	CoilJet Vehicle Adapter For Charger, 12 Volt Inverter	\$79.30
8945	Spray wand, 36", 90°	\$118.16
8945-24	Spray wand, 24", 90°	\$107.08
8945-48	Spray wand, 48", 90°	\$134.76
CJ9657	CoilJet 36" Extension Lance Assembly	\$88.62
CJ9658	CoilJet 48" Extension Lance Assembly	\$103.38
CJ9659	CoilJet 60" Extension Lance Assembly	\$110.76
CJ9619	CoilJet Foaming Nozzle Assembly	\$99.90
CJQDN0003R	CoilJet PinPoint Quick Disconnect Nozzle for CJ125 (Included with unit)	\$29.44
CJQDN0004R	CoilJet PinPoint Quick Disconnect Nozzle for CJ95 (Included with unit)	\$31.90
CJQDN1503Y	CoilJet Pinpoint 15° Quick Disconnect Nozzle for CJ125 (Included with unit)	\$29.44
CJQDN1504Y	CoilJet Pinpoint 15° Quick Disconnect Nozzle for CJ95 (Included with unit)	\$31.90
CJQDN45	CoilJet Pinpoint 45° Quick Disconnect Adapter	\$73.76
CJQDN90	CoilJet Pinpoint 90° Quick Disconnect Adapter	\$73.76
CJKITSB	CoilJet Charger Kit for Spare Battery (for CJ95)	\$203.00
MSB-KIT	Mini Split Bib® Kit (to clean mini-split coils, fan blades and more without making a mess)	\$195.60

CHEMICALS & SOLVENTS

**⚠** \*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# TOOLS & CLEAN-UP

## POWER CLEANING



### PORT-A-BLASTER™ COIL CLEANING MACHINE

Blast dirt from evaporator and condenser coils with this 11lb. portable powerhouse. It uses a patented, pressure-activated pump to deliver two pressure settings for either indoor or outdoor cleaning.

- Ideal for all evaporator and condenser coil cleaning
- Lightweight for easy carrying
- Rugged housing for rough service & long life
- Includes durable quick-connect hoses, wand, and trigger sprayer
- Great for mini-split indoor Coils and outdoor coils
- On-board storage cabinet for all accessories
- One year warranty

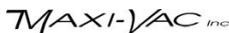


Part No.	Description	Delivery Pressure (psi)	Flow (GPM)	Wgt (Lbs.)	Price
ZPB140*	Portable Pressure Sprayer, 125 psi	140	0.25	11.0	\$365.00



### LOW PRESSURE WASHER

- Direct drive twin plunger pump
- 115 Vac
- Powder coated steel case
- Dimension: 10" W x 9" H x 15" L
- 15' x 1/4" ID hose
- 35' power cord with GFCI



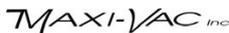
Part No.	Delivery Pressure (psi)	Wgt (Lbs.)	Price
JS400	400	43.0	\$1,674.00
JS700I	0 - 700	50.0	\$1,766.96



### ECONOMY

Economically priced pressure washer designed for intermittent and medium duty applications.

- 115Vac, 10.3 Amps, 60 Hz
- 18' Pressure Hose
- Trigger gun, lance, adjustable nozzle



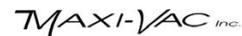
Part No.	Delivery Pressure (psi)	Flow (GPM)	Wgt (Lbs.)	Price
PW1150	1150	1.5	22.0	\$766.00

- 35' Power cord with GFCI plug
- Dimensions: 13"L x 12"W x 18"H

### TUBE CLEANER



Variable speed, constant torque, water flushing tube cleaning systems. Remote switch operation. Flexible shafts and brushes sold separately.



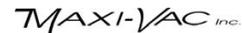
Part No.	Features	Price
JM1200	Constant Speed, Foot Control	\$2,070.86
JM1800	Variable Speed, Foot Control	\$2,696.40
JM1800R	Variable Speed, Reversible, Foot Control	\$3,422.00



### FLEXIBLE SHAFT

Compatible with JM1200, JM1800 Series tube cleaners.

- 3/8" diameter
- 1/4"-28 FPT connection



Part No.	Length (Ft.)	Price
1815	15.0	\$411.54
1825R-3/8'	25.0	\$493.84
1835	35.0	\$691.38

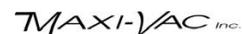
<sup>1</sup>Reversible— use with JM1800R



### TUBE BRUSH, NYLON

Recommended for removing soft deposits (mud, algae, etc.) in straight, nonferrous tubes (copper, brass, plastic, etc.) Brush should be equal to or 1/16" smaller than tube ID.

- 1/4"-28 MPT connection
- Use brass brush for light scale deposits



- 5 brushes per package

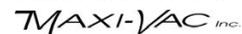
Part No.	Brush Diameter (In.)	Price
1519-3/8	3/8	\$14.14
1519-1/2	1/2	\$14.14
1519-5/8	5/8	\$14.14
1529-5/8 <sup>1</sup>	5/8	\$20.16

<sup>1</sup>Brass



### BUFFING TOOL

Adjustable buffing tools are used for removing light to medium scale deposits or for finishing tubes previously roughed out with other cleaning tools. They can be used in both ferrous and nonferrous straight tubes. They can be used only in a clockwise rotation and not recommended for internally enhanced tubes.



Part No.	Tube Range ID (In.)	Price
1509	3/8 to 1/2	\$70.80
1510	1/2 to 5/8	\$70.80

\*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**FUEL HEATING**

**SOOT REMOVER**

Catalytic activation removes soot from built up surfaces.



0320DA



Part No.	Description	Container Size	Price
0320DA	Sootspray™, Aids Vacuuming, Chemically Safe	14 Oz. Aerosol	\$24.84
0310N	Sootmaster™, Powder, Surface Dusting	1 Lb. Jar	\$22.14
0315M	Sootomagic™, Catalytic Low Temperature Ignition	1/4 Lb. Stick	\$4.54

**OIL CLEANUP**

Removes fuel oil and other industrial odors. Powder good for cleaning up spills.



0410N



Part No.	Description	Container Size	Price
0410N	Odorgon™, Powder, Spill Absorber, Deodorant	1 Lb. Jar	\$20.14
0410NA	Odorgon™, Powder, Spill Absorber, Deodorant	2 Lb. Jar	\$35.80
0405DA	Odorgon™, Spray, Liquid Deodorizer	14 Oz. Aerosol	\$22.16

**FURNACE CEMENT**

PyroSeal™ is a smooth, creamy, easy spreading furnace and retort cement that sticks where you put it. For high temperature sealing and bonding. Shrinkproof, crackproof. Use in combustion chambers and for sealing doors and flue pipes. Contains no



0815E

asbestos or OSHA restricted fibers



Part No.	Container Size	Price
0815E	3 Lb. Pot	\$13.56
0815F	6 Lb. Pot	\$20.36
0815G	12 Lb. Pot	\$34.44

**SMOKEYS**



14145



Part No.	Container Size	Price
14145*	45 Second, 150 ft Tester, 10/pack	\$3.40
14175*	75 Second, 600 ft Tester, 10/pack	\$3.82

**SMOKE SIGNAL™**

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.



1A

Smoke Signal is also excellent for observing air flow patterns, evaluating exhaust systems and testing smoke detectors. Smoke Signal items contain no explosive materials.



ENERGY SAVING PRODUCTS

Part No.	Description	Price
1A	4000 cubic feet of smoke in 30 seconds	\$18.04
2B	8000 cubic feet of smoke in 60 seconds	\$19.52
3C	40000 cubic feet of smoke in 180 seconds	\$35.00

**SMOKE IN A CAN**

The number one choice of professionals to test commercial or residential smoke detectors, approved by industry leaders. Functionally tests all smoke detectors.



SDT25S



ENERGY SAVING PRODUCTS

Part No.	Container Size	Price
SDT25S	2.5 Oz. Aerosol Cannister	\$25.38

**HOT® WATER DISPERSANT**

- 16 oz. HOT® treats 275 gallons



FPPF00161



Part No.	Description	Container Size	Price
FPPF00161	FPPF™ HOT® 4-in-1, Water Dispersant, Wax and Gel Control	16 Oz.	\$22.50

CHEMICALS & SOLVENTS

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# SEALANTS

## THREAD SEALANT



LT30534

### THREAD SEALANT WITH PTFE

This economical, general-purpose fitting sealant outperforms tapes and pipe dopes. Seals and resists pressure in air, oil, and diesel fuel. Remains pliable at high and low temperatures. Temperature range -65°F to 300°F. Resists common shop fluids



Part No.	Container Size	Case Qty*	Price
LT30534	4 Fluid Oz., Brush Top	12	\$13.16



LT1329837

### GENERAL PURPOSE THREADLOCKER

LOCTITE® 243 is a general purpose threadlocker of medium bond strength. This threadlocker secures and seal bolts, nuts and studs to prevent loosening due to vibration.

- Prevents loosening on vibrating assemblies, e.g. pumps, gear boxes or presses
- Works on all metals, including passive substrates (e.g. stainless steel, aluminum, plated surfaces)
- Proven to tolerate minor contamination by industrial oils, e.g. motor oils, corrosion prevention oils and cutting fluid
- Permits disassembly with hand tools for servicing



Part No.	Container Size	Case Qty*	Price
LT1329837	10 mL	10	\$30.70
LT1329467	50 mL	10	\$85.38



LT24231

### REMOVABLE THREADLOCKER

A single component anaerobic threadlocking material, which is thixotropic and develops medium strength. The product cures when confined in the absence of air between close fitting metal surface and is particularly suitable for less

active substrates such as stainless steel and plated surfaces. Prevents loosening and leakage of threaded fasteners. Particularly suitable for applications such as pump or motor mounting bolts, where disassembly with hand tools is required for servicing. A general purpose, removable threadlocker for fasteners between 1/4" and 3/4" diameters. Controlled lubricity for accurate clamp loads.

- Fixture time 10 minutes
- NSF approval



Part No.	Container Size	Case Qty*	Price
LT24231	50 mL	10	\$90.44
LT24241	250 mL	10	\$314.14

\* Case Quantity for ordering convenience only



LT27131

### HIGH STRENGTH THREADLOCKER

A single component anaerobic threadlocking material, which is thixotropic and develops high strength. The product cures when confined in the absence of air between close fitting metal surfaces.

Prevents loosening and leakage of threaded fasteners. Particularly suitable for applications such as cylinder liner studs, where a difficult removal is desired.

A high strength, low viscosity threadlocker for fasteners up to 1" diameter.

- Fixture time 10 minutes



Part No.	Container Size	Case Qty*	Price
LT27131	50 mL	10	\$90.44
LT27141	250 mL	10	\$314.14



LT29031

### PENETRATING THREADLOCKER

A single component low viscosity anaerobic threadlocking material, which develops medium to high strength. The product cures when confined in the absence of air between close fitting metal surfaces and is particularly suitable for wicking into preassembled components.

Prevents loosening and leakage of threaded fasteners. Particularly suitable for applications such as instrumentation where assembly and positioning is required before applying the threadlocker. The very low viscosity allows penetration of the joint by capillary action.

- Seals porosities in welds and metal parts
- Ideal for fasteners ranging from 2 to 1/2" in size
- Localized heating and hand tools are needed for disassembly
- Fixture time 20 minutes (5 minutes with primer)
- NSF approval



Part No.	Container Size	Case Qty*	Price
LT29031	50 mL	10	\$85.36
LT29041	250 mL	10	\$296.54



LT54531

### HYDRAULIC/PNEUMATIC

A single component, high viscosity anaerobic pipe sealant material. This product cures when confined in the absence of air between close fitting metal surfaces.

Used to lock and seal hydraulic and pneumatic fittings, servomechanisms, and fine-filtration system

Contains no fillers and will not foul valves or fluid filtering system



Part No.	Container Size	Case Qty*	Price
LT54531	50 mL	10	\$85.00



LT55441

## REFRIGERANT

Provides maximum solvent resistance on threaded fittings and pipe up to 3" diameter. It is recommended for refrigeration systems and service with strong chemicals. The sealant is used in place of specialty nonhardening compounds, litharge, glycerine, and sealing tape.

Refrigerant sealant is not for slip fitted tube joints. 554 has excellent solvent resistance and withstands temperatures to 300°F.



Part No.	Container Size	Case Qty*	Price
LT55441	250 mL	10	\$360.34



LT56531

## CONTROLLED STRENGTH

A single component, creamy paste-like anaerobic pipe sealant compound. The product cures when confined in the absence of air between close fitting metal surfaces. This industrial grade sealant develops controlled low strength to facilitate disassembly.

Recommended for sealing metal tapered pipe threads and fittings up to 2" for industrial applications in the chemical processing, petroleum refining, pulp/paper, textile, utilities/power generation, marine, automotive, industrial equipment, gas compression and distribution industries.



Part No.	Container Size	Case Qty*	Price
LT56531	50 mL	10	\$38.22



LT2087067

## HIGH TEMPERATURE

A high performance curing sealant for tapered pipe threads. The product is a creamy paste-like anaerobic compound that cures when confined in the absence of air and between close fitting metal surfaces. The high lubricating properties of this

compound prevent galling on stainless steel, aluminum and all other metal pipe threads and fittings

Recommended for sealing metal tapered pipe threads and fittings (up to 2") for industrial applications in the chemical processing, petroleum refining, marine, industrial equipment, gas compression and distribution industries. It is also recommended for industrial plant fluid power systems

- Max. temperature 480°F
- NSF approval



Part No.	Container Size	Case Qty*	Price
LT2087067*	50 mL Tube	10	\$44.44
LT2087069	250 mL Tube	10	\$151.16



RS25431

## NO. 5®

RectorSeal® No. 5® pipe thread sealant is a soft-set, slow drying compound which seals, lubricates, and protects threaded pipe and fittings. It can be pressurized immediately for piping up through 2" and 100 psi (for natural gas, air and water

only) and is ideal for application with a wide variety of fluids and gases, including potable water applications. Recommended for use on threaded galvanized steel, iron, brass, copper, aluminum, stainless steel, polyethylene, fiberglass reinforced and PVC pipe. Not recommended for use with ABS pipe or Oxygen.

Unique, versatile and reliable sealant that is non-toxic in accordance with NSF Standard 61. In addition, it is UL classified, listed under the Uniform Plumbing Code (UPC) File No. 1282, and is approved and listed with the Canadian Standards Association (CSA).

- Brushable from 20°F to 140°F
- Temperature service range of -50°F to 400°F
- For pressure up to 12,000 psi (liquids) and 2,600 psi (gases)



Part No.	Container Size	Case Qty*	Price
RS25551	1/2 Pt. Brush Top	24	\$25.80
RS25431	1 Pt. Brush Top	12	\$40.60



31431

## TRU-BLU™

RectorSeal® Tru-Blu™ pipe thread sealant with PTFE is a fast-dry, flexible set thread sealant designed for high vibration environments such as refrigeration and industrial applications. It contains PTFE for better thread sealing and for lubrication to facilitate

easy break-out. It is also great for use as a positive lock and seal on threaded fasteners.

- Stays flexible - designed for areas of high vibration and thermal expansion/contraction
- Brushable from 20°F to 140°F
- Excellent as a gasket adhesive on flange
- For use with water (hot or cold)
- Low odor, non-separating
- Lead free and contains no metal
- Easy application - brush top applicator



Part No.	Container Size	Case Qty*	Price
31431	1 Pt. Brush Top	12	\$38.64

\* Case Quantity for ordering convenience only

\*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# SEALANTS

## THREAD SEALANT



XPando

### X-PANDO PIPE JOINT COMPOUND

- Expands as it sets, insuring a tight leak proof joint as well as correcting imperfections in pipe threads, flanges and other metal surfaces. Corrects burred or mutilated threads. Accomodates fittings from

numerous manufacturers with different size threads.

- Withstands deflection, high pressures (up to 5,000 psig), high temperature (1,000°F), low temperature (-300°F), changes in temperatures, and vibrations
- VOC content - 3.718 micrograms/Liter (Non Detect)



Part No.	Container Size	Price
XPANDO	14 Oz. Can	\$30.40



STP4

### SLIC-TITE® PASTE

- Contains Teflo
- Use on metal, PVC, CPVC, and ABS threads
- For sealing water, air, steam, natural gas, LP gas, refrigerants, ammonia, gasoline and oil.

- Nontoxic, nondrying
- Sealing temperature range: -50°F to 500°F
- Working pressures: 3,000 psi for gas, 10,000 psi for liquids
- USDA approved for use in federally inspected meat and poultry plants
- Angled brush-in-cap  
DuPont Registered Trademark



Part No.	Container Size	Case Qty*	Price
STP4	1/4 Pt.	24	\$20.12
STP8	1/2 Pt.	24	\$31.82
STP16	1 Pt.	24	\$55.72



LL1

### LEAK LOCK®

A soft setting pipe joint compound for sealing threaded joints, flanged joints, gasket surfaces and mating surfaces.

- Resin brushable paste which remains permanently flexible, adheres to internal surfaces and fills voids
- Ideal for metal and plastic materials subject to extreme vibrations
- Effective in temperatures from -200°F to +400°F, full vacuums and pressures to 10,000 psi
- Seals a broad range of chemicals including all refrigerants, petroleum products, natural and manufactured gases, steam, water, air, etc.
- HS11001 is the Leak Lock® Gold formulation with teflo



Part No.	Container Size	Case Qty*	Price
LL1	1 1/3 Oz., Plastic Tube	12	\$9.84
HS11001	1 1/3 Oz., Plastic Tube	12	\$11.00
LL4	4 Oz.	12	\$24.66
LL16	16 Oz.	12	\$65.84

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\* Case Quantity for ordering convenience only

## REFRIGERANT LEAK SEALANT



NCLS

### ONE & DONE

Easy-to-use, hose injection solutions to seal A/C leaks and improve performance.

Compatible with all oils and refrigerants, excluding ammonia.



Part No.	Description	Application	Price
NCLS	Leak stop, seals more/larger leaks permanently	1.5 ton systems and under	\$82.14
NCLS5	Leak stop, seals more/larger leaks permanently	1.5 to 5 ton systems	\$107.52
NCLSUV	Leak stop+, seals more/larger leaks permanently, +UV dye	1.5 ton systems and under	\$84.76
NCLSUV5	Leak stop+, seals more/larger leaks permanently, +UV dye	1.5 to 5 ton systems	\$110.76
NCACD	A/C Dry, prevents and eliminates moisture in the system	5 ton systems and under	\$84.92
NCACR	A/C Reviver, saves energy/extends life, enhances cooling and reduces noise	5 ton systems and under	\$88.48
NCLS15	Leak stop, seals more/larger leaks permanently, marks leaks	6 to 15 ton systems	\$120.40
NCLS30	Leak stop, seals more/larger leaks permanently, marks leaks	16 to 30 ton systems	\$201.54
NCLS60	Leak stop, seals more/larger leaks permanently, marks leaks	31 to 60 ton systems	\$340.78
NCLS125	Leak stop, seals more/larger leaks permanently, marks leaks	61 to 125 ton systems	\$506.14
NCLSUV15	Leak stop+ with UV, seals more/larger leaks permanently, marks leaks	6 to 15 ton systems	\$125.28
NCAI015	Leak stop+, acid neutralizer, AC/R reviver, AC/R dry	6 to 15 ton systems	\$201.34
NCAI05	Leak stop+, acid neutralizer, AC/R reviver, AC/R dry	1.5 to 5 ton systems	\$138.86
NCAN5	Eliminates acids, converts acid to an inert synthetic oil that enhances lubrication in the AC/R system, prevents future acid	1.5 to 5 ton systems	\$92.06



NCO2K1

### CO2 GUN KIT

- Refrigerant grade CO<sub>2</sub>
- Injects One & Done! products into AC/R systems
- With backflow preventer
- Cleans out drain lines
- Injects sufficient gas to overcome the pressure it is meeting



Part No.	Description	Price
NCO2K1	CO2 gun kit with 2 cartridges	\$90.08



405001

### A/C EASYSEAL

- A/C EasySeal prevents refrigerant leaks and seals existing leaks in air conditioning and refrigeration systems
- Eliminates expensive leak search and repair

- Travels with refrigerant to find leak fast
- Perfect for those hard to find and re-occurring leak problem
- 405008/405011: makes it easier to install than other sealants. Concentrated formula means less material in system. No need to pump down R-410A units. One time use.



Part No.	Description	Container Size	Price
405001	1.5 Tons and Under	1.25 Oz. Pressurized Can	\$89.20
405005*	1.5 Tons and Under	Direct Inject	\$94.06
4050-06	Up to 5 Ton Systems	3 Oz. Pressurized Can	\$116.64
405002*	Up to 5 Ton Systems	3 Oz. Pressurized Cans (2) + Reusable A/C Piercing Valve and Hose	\$266.68
405008*	1.5 to 5 Ton Systems	Direct Inject	\$122.06
405011*	1.5 to 5 Ton Systems	Direct Inject, W/ UV Die	\$124.52



985CLIP

### FLEX INJECT

Flex Inject is the fastest, most effective proven way to permanently seal and prevent minor air conditioning and refrigeration (AC/R) leaks. With no tools or gauges required, the Flex Inject sealant works by travelling through the system with the oil and refrigerant fixin

leaks immediately. Flex Inject works with all compressors, heat pumps, condensers, and other system components and it will not plug up manifold gauges, metering devices, thermostatic expansion valves, pistons or cause cap tube blockages. It meets the ASHRAE ARI 700 refrigerant standard and is compatible with any refrigerant including R-410A with no pump downs or recoveries required. Flex Inject is suitable for use in aluminum and copper coils and is microchannel friendly.



Part No.	Description	Container Size	Price
985CLIP*	Up to 6Ton Systems	Flex Inject	\$133.90

\*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# SEALANTS

## THREAD LUBRICANT



LT76764

A heavy-duty, high temperature anti-seize thread compound applicable for heavy pressure applications. It can be used in high temperature areas up to 1600°F.

Used to lubricate and to permit easy disassembly of assemblies exposed to high temperatures and heavy contact

pressures, such as boiler and oven parts.



Part No.	Container Size	Case Qty*	Price
LT76732	8 Oz. Brush Top	12	\$34.78
LT76764	1 Lb. Brush Top	10	\$50.52
LT76759	12 Oz. Aerosol	10	\$35.26

## GASKET/SEALANT



LT51031

### GASKET ELIMINATOR®, HIGH TEMPERATURE

A single component, medium strength, anaerobic sealant with good heat resistance. The product cures at ambient temperature when confined in the absence of air between close fitting metal surfaces

Seals close fitting joints between rigid metal faces and flanges. Particularly suited where maximum temperature and chemical resistance is required.

A high temperature sealant specially engineered for making or dressing gaskets in rigid assemblies. Able to withstand temperatures to 400°F. Fills gaps up to 0.010" and permits clamping loads to be maintained for strong leakproof assemblies.

- Cure speed: unprimed—1 to 12 hours  
primed—15 minutes to 2 hours



Part No.	Container Size	Case Qty*	Price
LT51031	50 mL Tube	10	\$63.18



LT51531

### GASKET ELIMINATOR®, ANAEROBIC

A ready to use, one component, gel-like anaerobic flange sealant that cures at room temperature when it is isolated from air contact. Seals close fitting joints between rigid metal faces and flanges and will file with minor flange movements.

Provides resistance to low pressures immediately after assembly of flanges. Typically used as form-in-place gaskets for pumps, thermostats, compressors, transmission housings and axle covers.

- Cure speed: unprimed 1 to 12 hours  
primed 15 minutes to 2 hours



Part No.	Container Size	Case Qty*	Price
LT51531	50 mL Tube	10	\$40.08
LT51580	300 mL	10	\$166.66

\* Case Quantity for ordering convenience only



LT59630

## HI TEMP RTV SEALANT

A ready to use, single component, room temperature vulcanizing (RTV) adhesive/sealant for making 500°F to 600°F gaskets and seals.

The material cures on exposure to atmospheric moisture to provide a tough, flexible, waterproof, oil-resistant silicone rubber seal.

The non-sag properties of this ready-to-use sealant allows its use on vertical as well as horizontal surfaces.

### Typical applications:

- High temperature (600°F) adhesive: bonds most all substrates including silicone rubber
- Gasket dressing and sealant to upgrade conventional metal and specialty pre-cut gaskets that often fail at 600°F
- Formed-in-place gasket/sealant to replace preformed gaskets that fail to function up to +600°F
- Seal and encapsulate heating elements in electrical appliances up to 500°F continuous operation
- Sealant and adhesive for assembly and repair of industrial furnaces, ovens, boilers, exhaust stacks and high temperature ducting up to 500°F continuous operation
- Resists aging, weather and thermal cycling without shrinking, cracking, or hardening. Fills gaps to .25"
- Tack-free seal time: 30 minutes



Part No.	Container Size	Case Qty*	Price
LT59630	80 mL Tube	12	\$18.56



RT200R

## NYLOG

Refrigeration grade gasket/thread sealant. Visco-elastic liquid derived from refrigeration lubricants.



Part No.	Use with	Price
RT200R	CFC, HCFC, Mineral, Alkylbenzene Lubricants	\$13.90
RT201B	Universally or HFC, Polyolester Lubricants	\$14.10

## SILICONE SEALANT



HV100CL

### RTV

This HVAC/R sealant is a one-part RTV, acetoxy cure silicone sealant for heating, ventilation, air conditioning, and refrigeration applications. Provides permanently flexible bonds that will not crack, shrink, or chalk. Adheres to most glass, plastic, metal, painted surfaces, fiberglass and ceramic

- Excellent adhesion
- Can be used on surfaces that may see a temperature range from -75°F to 300°F and intermittent temperatures up to 400°F in well-ventilated areas
- Weather-resistant
- Safe for food contact
- 10.3 fluid oz. cartridge
- Use Limitations:
- Not paintable
- Not for use on surfaces prone to attack by weak acids such as alloys containing copper, brass, zinc, magnesium, or iron
- Not for use on masonry surfaces
- Not for use as a structural adhesive

Part No.	Container Size	Case Qty*	Price
HVC100CL	10.3 Fl. Oz	12	\$15.88
HVC100AL	10.3 Fl. Oz	12	\$15.88
HVC100BL	10.3 Fl. Oz	12	\$15.88
HVC100WH	10.3 Fl. Oz	12	\$15.88



786

### 786, MILDEW RESISTANT SEALANT

Dow Corning® 786 Silicone Sealant, a one part acetoxy silicone rubber sealant, is designed to seal non-porous surfaces where conditions of high humidity and temperature extremes exist. It contains a food grade fungicide.

Ideal for sealing refrigeration units and areas where food contact is likely.

- Performs at temperatures ranging from -76° to 350°F for continuous operation, up to 400°F for intermittent exposure
- Cured sealant is mildew resistant
- Remains permanently flexible without shrinking, cracking, crumbling or drying out
- Resists staining, spotting and color changes
- Resists moisture and free steam
- Retains original design properties even after years of exposure
- 10.3 fluid oz. cartridge

Part No.	Application	Container Size	Case Qty*	Price
786	Sealing tubs, sinks, plumbing fixtures, interior walls, refrigeration units	10.3 Fl. Oz	12	\$24.20

\* Case Quantity for ordering convenience only



HTSILICONE

### HIGH TEMPERATURE

This hi-temp sealant is a one-part, 100% silicone rubber paste that cures to a tough, rubbery solid at room temperature on exposure to water vapor in the air.

- Nonslumping
- Pastelike consistency for ease of tooling
- Performs at temperatures ranging from -85° to 480°F for continuous operation, up to 575°F for intermittent exposure
- Remains permanently flexible
- Applications: bag filters on smoke stacks, sealing fired heaters flues on gas appliances, heating elements in appliance

Part No.	Application	Container Size	Price
HTSILICONE	bag filters on smoke stacks, sealing fired heaters, flues on gas appliances, heating elements in appliances	10.3 oz	\$16.70

## FIRE STOPPING SEALANT



FS880

### FIRE STOP SEALANT



ENERGY SAVING PRODUCTS

Part No.	Description	Container Size	Price
FS880	Fire stop sealant, red	11 Oz Tube	\$31.00
FFB12	Fireblock foam sealant, effective at blocking smoke and toxic gases.	12 Oz.	\$17.50

# SEALANTS

## SEALER & ADHESIVE



N4820

### SPRAY-N-BOND ADHESIVE

This wide web spray adhesive is one of the highest performance aerosol adhesives available. Formulated specifically for insulation and duct liner applications, this high solids product is ideal for uneven or porous surfaces and weight materials.

Waterproof, flexible, transparent and non-staining, and it can be used for both temporary or permanent bonds. Use it for your toughest adhesive applications, including leather, cardboard, most plastics and cloth. Formulated with the environment in mind, this product contains NO CHLORINATED SOLVENTS OR OZONE DEPLETERS. Cleans easily with degreasing solvent (mineral spirits). Not intended for use on vinyl.

- VOC compliant



Part No.	Description	Price
N4820	Spray Adhesive, 12 Oz.	\$15.28
436975	Spray-n-bond™ Adhesive	\$14.74
436985	Spray-n-bond™ Adhesive, Low VOC	\$15.10

## EPOXY



LT21425

### EPOXY CUPS

A 2-component, room temperature curing epoxy adhesive used for high strength, permanent bonding of metals, ceramics, concrete, wood, glass and most plastics. This product can withstand temperatures up to 180°F.

- Bonds virtually any material
- May be drilled, tapped, sanded, or machined and painted after cure
- Reaches handling strength in 10 minutes
- Can of 10, 4 gm net weight cups



Part No.	Description	Price
LT21425	Fast Cure Epoxy Cups	\$74.42



LT98853

### STEEL EPOXY, STICK

Steel epoxy in stick form. Cut off a section, knead and apply to leaking pipes or damaged equipment. Cures in 10 minutes.

- NSF approval



Part No.	Container Size	Case Qty*	Price
LT98853	4 Oz. Stick	24	\$35.64



HSS

### HEAT-SEAL STIK®

- Fast, repairs completed in 90 seconds
- One part epoxy, no mixing or measuring needed; stick melts, seals and cures in one operation
- Sealing temperatures: up to 350°F
- Pressures: to 450 psi
- Use on aluminum, copper and other metals, glass and ceramics
- Ideal for use on high and low side of refrigeration systems



Part No.	Container Size	Case Qty*	Price
HSS	3/8 Oz.	12	\$44.48



429910

### QUICK SEAL™ PIPE REPAIR

A knitted fiberglass impregnated tap that is designed for quick, in-the-field repair of leaks for all types of pipes. Multiple rolls required for repairs on applications greater than 50 psi.

- 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
- Water safe
- Works for underwater applications
- Suitable for refrigerant lines
- Chemical resistant
- Not effected by exposure to UV light



Part No.	Description	Application	Price
429910	2" x 3' wrap	1/2 to 1 1/2" dia. pipe	\$86.16
429911	4" x 12' wrap	2 to 4" dia. pipe	\$260.36



429925

### QUICK SEAL™ REPAIR PATCH

- UV light activated self-adhesive repair patch
- Extremely durable fiberglass reinforced polyester/plastic
- Ideal for use in HVAC/R, plumbing, and a variety of other applications

- Can be drilled, tapped, sanded or painted in less than an hour
- Resistant against many chemicals, solvents and oils
- Flexible and waterproof
- Will not rot or rust
- Fast curing with no shrinkage or expansion after curing



Part No.	Description	Price
429925 <sup>1</sup>	3" x 6"	\$33.78
429926	6" x 9"	\$60.06

<sup>1</sup>Use with 405015 UV Lenses

\* Case Quantity for ordering convenience only



## PIPESEAL

Pipeseal is a unique multi-component epoxy designed to quickly and permanently patch, seal and repair cracks, holes and leaks in all types of pipe. Seals holes in pipe to full pressure in under five minutes using a heat gun or hair dryer

- Works on all types of pipes including copper, steel, lead, cast iron and aluminum.
- Heat activated - Hardens fully in less than 1 minute. (140°F)
- Withstands pressures up to 1200psi.
- No wrap/plug required.
- Suitable for refrigerant lines.
- Extreme chemical resistance
- 100% solids - No VOCs
- Permanently seals holes of up to 1/4" diameter.



Part No.	Description	Price
93629*	Pipeseal tube patch	\$67.92



## TWO PART EPOXY

- Original cold weld formula
- Steel reinforced
- Works on multiple surfaces
- Strength: 3960 psi
- Set time: 20-25 minutes
- Cure time: 15-24 Hours



- Cure color: dark grey

Part No.	Description	Price
JB8265	(2) 1 Oz Tubes, One Hardener, One Steel	\$11.54



## PANSEAL™

Panseal™ is a unique multi-component 2 part epoxy designed to quickly and permanently seal, repair, and restore leaking and corroded drain pans. Available in caulk gun cartridges for easy application, gallon size containers for larger surfaces such as cooling

towers and patch kits (special order) for vertical surfaces. All container sizes contain pre-measured amounts of resin and hardener.

- Seals leaks immediately
- No system down time
- Works in standing water. Self-levelling.
- No surface preparation
- Ideal for repairs or pre-ventative maintenance
- Works on metal, fiberglass, stainless steel, concrete, wood and plastic surfaces
- 100% solids and entirely free of solvents and volatile organic compounds.



Part No.	Description	Container Size	Price
2000PC	Panseal™ Epoxy Drain Sealant	10.3 oz Cartridge	\$84.00
20001PG	Panseal™ Epoxy Drain Sealant	1 Gal.	\$454.00

\* Case Quantity for ordering convenience only

\*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## DUCT, ROOF



## ACE® ROOFSEAL

Seals leaks, cracks, seams, etc., around rooftop air-conditioning units, vents, chimneys, skylights, etc. Can also repair cracks and holes, etc., in most roofing materials. Sprays as a liquid and dries to a thick black rubberized coating.



Part No.	Container Size	Case Qty*	Price
RSA	14 Oz.	6	\$23.54



## ROOF CEMENT

Premium All-Weather Roof Cement is a premium grade mastic compound. This material is a blend of selected asphalts, hardened fibers, selected fillers, and petroleum solvents.

This quality product is supplied in a smooth, easy-working consistency

which adheres to wet or dry surfaces. Premium All-Weather Plastic Roof Cement remains flexible after application, expanding and contracting on the surface to which applied. Premium All-Weather Plastic Roof Cement has a high resistance to weathering and provides excellent durability against all the stresses and wear to which such coatings are normally exposed. Available in 55 gallon drums. Guaranteed to meet or exceed Fed. Spec. SSC-153C Type I, ASTM-D-2822-75 Type I.

- Excellent for curbs
- Waterproof
- Applies as a putty
- Color (Black)



Part No.	Container Size	Price
CMD230	10 Oz.	\$9.36
CMD231	1 Gal.	\$30.50

## THAWZONE



The original liquid dehydrant for the control of moisture in refrigeration systems. Thawzone® chemically dries ALL refrigerants including those containing methyl chloride and methylene chloride.

- Does not leave residue

- Frees frozen systems due to moisture in 5 minutes
- Prevents refreezing
- Does not contain any dissolved solids or methanol



Part No.	Container Size	Case Qty*	Price
TZ1	1 Oz.	24	\$7.66
TZ4	4 Oz.	12	\$19.84
TZ16	16 Oz.	6	\$59.84

# MISCELLANEOUS

## OIL ADDITIVE



8SUPCO88

Supco 88 dissolves sludge buildup on bearing and valve surfaces and keeps them clean and bright. It vastly increases the lubricating capability of mineral oils used in high speed compressors. Current draw is reduced when Supco 88 is used in new units by reducing friction and preventing overloading.



Part No.	Container Size	Case Qty*	Price
8SUPCO88	8 Oz.	24	\$23.30

## AIR FRESHENER



1500D

### CLENAIR

Absorbs odors, does not mask them. Use 2 lbs. per 400 sq. ft. or ton of air conditioning for medium odors. 1502D is a unique self-feeding box to install in return duct. 1800 Series and 1900D eliminate fuel oil odors.



Part No.	Container Size	Comments	Case Qty*	Price
1500D	1/2 Lb.	Semi-Solid Gel	12	\$20.04
1501D	1 Lb.	Semi-Solid Gel	12	\$32.84
1502D	2 Lb.	Semi-Solid Gel	6	\$58.56
1503D	3 Lbs.	Semi-Solid Gel	4	\$82.88
1800D	1/2 Lb.	Semi-Solid Gel, Cherry Scent	12	\$20.04
1801D	1 Lb.	Semi-Solid Gel, Cherry Scent	12	\$32.84
1803D	3 Lbs.	Semi-Solid Gel, Cherry Scent	4	\$82.88
CA1300D	1/2 Lb.	Semi-Solid Gel, Orange Scent	12	\$20.04
CA1301	1 Lb.	Semi-Solid Gel, Orange Scent	12	\$32.84
CA1303	3 Lbs.	Semi-Solid Gel, Orange Scent	4	\$82.88
1700D	16 Oz.	Spray, Citrus Scent	12	\$24.92
1900D	16 Oz.	Spray, Cherry Scent	12	\$24.92
CA1015	6.5 Lb.	HVAC Commercial Odor-Block	2	\$151.12
61065	Mini-split, PTAC, or other ductless systems, odor neutralizer		4	\$26.62

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