



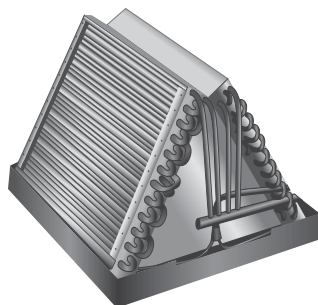
COIL CLEANING

COMPLETE REFERENCE GUIDE

 Nu-Calgon



WHY SHOULD YOU CLEAN COILS?



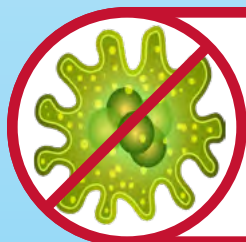
EVAPORATOR

Cleaning your evaporator is vital in helping keep your system up and running for years to come. Dirty evaporator coils can lead to high energy costs, decreased heat transfer, reduced airflow and contribute to adverse indoor comfort conditions.



CONDENSER

Cleaning condenser coils is a key part of maintaining your system. Neglecting to clean condenser coils can also lead to increased energy costs, decreased system capacity as well as shortening the life of your equipment.



A clean evaporator coil is a vital aspect to ensure healthy indoor air quality. The evaporator coil is the primary source for IAQ issues such as mold and mildew, harmful VOCs, and disturbing odors. By regularly cleaning and disinfecting the evaporator coil, you can eliminate and control these issues and ensure superior indoor air quality.

Visit www.nucalgon.com and try out our Coil Cleaning Selection Guide!

WHICH COIL CLEANER IS RIGHT FOR ME?

CONDENSER COIL CLEANERS

#1 COIL CLEANER

*Nu-Brite®



What makes Nu-Brite #1?

- Heavy duty, designed for the toughest grease and grime removal
- High-foaming action to attack heavy soils and impacted coils
- Produces cleaner and brighter coils, restoring heat transfer and air flow

1 Gallon 4291-08

2.5 Gallon 4291-05

55 Gal Drum 4291-01

Aerosol 4291-18

Nu-Brite is a non-acid, alkaline-based product for cleaning and brightening air cooled condensers. Formulated with the best available foaming detergents and chelants, Nu-Brite quickly penetrates and dissolves greasy dirt and grime to foam it right out of the coil. Nu-Brite's state-of-the-art surfactants and cleaners instantly penetrate and lift layers of oily grime and corrosive deposits from the coil.



*Alka-Brite® Plus

4120-08, 4120-05, 4120-01

- Brightens and cleans air-cooled condensers
- Foaming lifts dirt out of coils
- Non-acid, alkaline-based cleaner



*Foam-Brite®

4178-08, 4178-05, 4178-01

- Ultimate foaming condenser coil cleaner
- Cleans and brightens better than acids
- Unique chelant/surfactant chemistry penetrates and lifts greasy soils



Cal-Green™

4190-08, 4190-01

- EPA Safer Choice
- Conforms to OEM specifications for cleaning microchannel coils



Nu-Solve™ NR

4295-08

- No rinse
- For situations when it's desirable to have less diluted cleaner on the roof
- For use with Nu-Solve Sprayer (4775-0)



†Nu-Blast®

4290-75

- Specially designed valve and dip tube provide exceptionally high pressure delivery
- Non-conductive
- No rinse



TriClean 2X™

4372-24

- Easy to use - simply connect to hose, clean, and rinse
- Metal safe, biodegradable chemistry



†Cal-Blast®

4132-20

- Works great on all soils
- No rinse
- Great for dissolving kitchen greases

*Not for microchannel coils.

†Not available for sale in California.

EVAPORATOR & CONDENSER CLEANERS



Tri-Pow'r® HD

4371-88, 4371-86, 4371-81

- Detergent-Degreaser-Deodorizer
- For cleaning air-cooled condensers/evaporators, permanent filters, fan blades and more!

Tri-Pow'r® HD Aerosol

4371-75

- Detergent-Degreaser-Deodorizer
- Great for mini-splits
- Powerful foaming spray



Green Clean®

4186-08, 4186-24, 4186-01

- Powerful environmentally friendly formula for all purpose cleaning
- Biodegradable



Blackhawk™

4127-75

- Safe for cleaning HVAC/R coils in food processing areas (NSF)
- Does not produce objectionable fumes
- Use with Talon (4776-0)



*Cal-Brite® Plus

4133-08, 4133-01

- Foams and brightens
- Reformulated to be tougher on scale



CalClean®

4135-08, 4135-06, 4135-01

- Quickly dissolves stubborn soil residues, greases and dirt
- Will not corrode or tarnish aluminum or other metals



Special HD CalClean®

4143-08, 4143-06, 4143-01

- The most effective heavy duty cleaner on the market
- Effective against all soils and buildup, especially nicotine tar on electronic air cleaners

Clean Connect™ Easy & Mess Free!



The Clean Connect System is uniquely developed for the use of Nu-Brite 4x (4291-90), Alka-Brite Plus 4x (4120-90), Cal-Green 4x (4190-90) and Tri-Pow'r HD 4x (4371-90) concentrate coil cleaners for cleaning outdoor air cooled HVAC/R coils. The bottles in each of these cleaners contain a specific dilution tip insert assembly to where the Clean Connect Sprayer simply is hooked to the bottle and go! No more pouring and spilling of coil cleaner – the sprayer offers a cleaner connect system. The Clean Connect System provides the opportunity to take less space on the truck, and it's easier to ship to the job and handle at the jobsite. Sprayer comes with carrying bag and accessory to hook up the Nu-Calgon Probe (4774-1), which is available separately.

*Not for microchannel coils.

EVAPORATOR COIL CLEANERS



Evap Foam No-Rinse®

4171-75

- Cleans and deodorizes with pleasant lemon scent
- Self-rinsing, fast-breaking foam
- Use with Talon (4776-0)



Evap Pow'r®-C

4168-08, 4168-05, 4168-01

- Alkaline, near neutral pH formulation
- Highest technology in "no-rinse" coil cleaning



Evap-Green™

4191-08, 4191-01

- Perfect for residential and light commercial applications
- Meets EPA Safer Choice Direct Release Criteria



Evap-Fresh® No Rinse



Quart 4166-24
Gallon 4166-08
55 Gal Drum 4166-01
Aerosol 4166-75
Talon 4776-0



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 works great to eliminate bacteria, viruses and odors. Plus, Evap-Fresh Aerosol works great on mini-splits!



Gallon and Quart 4166-08, 4166-24

Evap-Fresh in a one gallon bottle and quart spray have demonstrated effectiveness against viruses similar to 2019-nCoV on hard non-porous surfaces. This product is listed on the EPA's Registered Antimicrobial Products for Use Against Novel Coronavirus SARS-COV-2, the Cause of COVID-19. This product is marketed with the intended use for HVAC systems.

Coil Gun®



Coil Gun®

4774-0

- Five mix ratio settings - 3:1, 4:1, 6:1, 9:1 & 10:1
- Coil Gun Probe 4774-1

Nu-Calgon's Coil Gun introduces a time and money saving approach to applying Nu-Calgon Coil Cleaners. With five mix ratios, adjusting for light, medium or heavily impacted coils is quick and easy. Reducing product waste and eliminating the need for mixing helps you clean coils more efficiently. Using the foam wand attachments increases the amount of foam during the cleaning process. This is important for those heavy-duty applications. The pressure from the Coil Gun increases the cleaner's ability to penetrate and lift soils away from the coil. This foam also increases the exposure and dwell time of the cleaner, allowing the breakdown of the most stubborn soils. The visual effect of seeing the cleaner foaming also highlights areas of the coil where additional cleaner may need to be applied.

PRODUCTS FOR MICROCHANNEL



Microchannel is a coil type used in many evaporator and condenser coils and can easily be identified by its flat tubes and fins between them that appear as waves between the tubes.

Some products cannot be used on microchannel due to all aluminum construction.

It's best to use microchannel safe coil cleaners whenever dealing with aluminum construction; here are the best options when servicing microchannel units.

TOP CHOICES!



Tri-Pow'r HD®



Special HD®
CalClean



CalClean®



Evap-Green™



Green Clean®



Nu-Solve™ NR



TriClean 2x™



Nu-Blast®



Cal-Blast®



Evap Foam
No Rinse®



Evap-Fresh®
No Rinse



Blackhawk®

COIL PROTECTION



Cal-Shield®

4148-08, 4148-32

- Forms protective shield on coils
- Reduces ability of dirt and grime to adhere to coil
- Extends life of coils operating in corrosive environments



DuraCoil™

4083-90

- Protects coils from corrosion
- Durable, OEM-approved coating
- For coils in coastal regions, or in industrial or agricultural settings; protects refrigeration coils against food acids

SPRAYERS

Turbo Tank

4778-0

- Portable rinsing sprayer for use with clean water to rinse coil cleaner off of coil
- Durable sprayer with optimal 130 psi water pressure



Turbo Tank/Coil Gun® Connector

4778-26



50P
Poly Sprayer
4770-0 3 pt



100P
Sprayer
4770-2 1 gal



200P
Sprayer
4771-20 2 gal



300P
Sprayer
4772-0 3 gal

PREVENTATIVE MAINTENANCE



iWave®-C, iWave®-R, iWave®-M, iWave®-V

4900-10, 4900-20, 4900-35, 4900-40

iWave devices utilize needle point bi-polar ionization technology, meaning they use two carbon fiber emitters to emit equal amounts of positive and negative ions. When these ions are injected into the air stream, they break down passing VOCs, pollutants and gases into harmless compounds like oxygen, carbon dioxide, nitrogen and water vapor without creating ozone or any harmful byproducts. When the ions come in contact with viruses, bacteria or mold, they remove the hydrogen molecules from the pathogens. Without hydrogen, the pathogens have no source of energy and will die. The ions also attach to allergens, such as pollen, smoke and other particles, causing them to band together until they are large enough to be caught by filters. The iWave line of air purifiers are the full comprehensive approach to providing cleaner and healthier indoor air quality.



Bio-Fresh® cd

4126-34

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 yeast in IAQ applications. Its EPA registration includes application in HVACR ventilating equipment, including coils, condensate pans, filters and duct-work.

Bio-Fresh® Fogger

4693-0

The Bio-Fresh fogger can be used to apply Bio-Fresh cd into duct-work or other ventilating systems.



MINI-SPLIT MAINTENANCE



Complete Care Mini-Split Kit

4151-18

The Complete Care Mini Split Kit is a ready-to-use kit that includes everything you need to start cleaning and servicing mini-split systems. The kit includes (2) Tri-Pow'r® HD Aerosol cans 4371-75, (2) sets of Gel Tabs™ Mini 4185-95, (1) Clean Guard™ Maintenance Bag 4150-01, and (1) Nu-Calgon service bucket.



Clean Guard

4150-01, 4150-02, 4150-03

Clean Guard and Clean Guard XL are reusable maintenance bags specifically for use by HVAC contractors to clean wallmounted mini-splits with Nu-Calgon cleaners/disinfectants when the indoor coil and blower require service. Clean Guard CC is used to clean ceiling cassette systems.



Gel Tabs Mini

4185-95

Gel Tabs are formulated with a breakthrough gel locking technology for treating air conditioning drain pans and lines. Keeps the drain pan from clogging and eliminates foul and musty odors. Treats up to 1.5 tons for 3 months.

MiniFresh

61065

Eliminates odors caused by mold, mildew, bacteria, pets, smoke, musty odors, water damage, fire damage, paints, chemicals, animal decay, stale air, garbage areas, sewer gases, skunks, and more! Use in mini split, PTAC, or other ductless systems.



SELECT THE RIGHT CLEANER FOR THE CLEANING JOB



PRODUCTS

EQUIPMENT USED ON														
Condenser Coils	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Mini-Split Condenser Coils						•	•	•	•	•				•
Small Condenser Coils	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Evaporator Coils				•	•	•	•	•	•	•	•	•	•	•
Mini-Split Evaporator Coils				•	•	•	•	•	•	•	•	•	•	•
Small Evaporator Coils			•		•	•				•	•	•	•	•
Microchannel Coils			•	•	•	•	•	•	•	•	•	•	•	•
Electronic Air Filters					•									
Fan Blades, Permanent Filters			•	•	•	•	•	•	•	•	•	•	•	•

FORMULATED TO REMOVE

Greasy Dirt & Oil	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cooking Grease	•	•		•	•									•
Lint, Dust, Dirt & Grime	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tobacco Tars					•									
Oxide (Corrosion) Deposits	•	•	•	•										
Cottonwood/ Bugs	•	•	•	•	•									

FEATURES & BENEFITS

Product Type	Alkaline Aerosol	Alkaline Liquid	Alkaline	Acidic	Alkaline	Alkaline Aerosol	Alkaline Liquid	Alkaline	Alkaline	Alkaline	Alkaline Liquid	Alkaline	Alkaline	Alkaline	Solvent
Foaming	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Brightening	•	•	•	•											
Degreasing	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
EPA Registered Disinfectant											•	•			
No Rinse (Evaporators)			•	•	•	•	•	•	•	•	•	•	•	•	•
No Rinse (Condensers)															
Biodegradable	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
USDA Authorized	•					•	•								
U.S. EPA's Safer Choice Program									•	•					
NSF Registered	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

*

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