



# COIL CLEANING

COMPLETE REFERENCE GUIDE

 Nu-Calgon



# WHY SHOULD YOU CLEAN COILS?



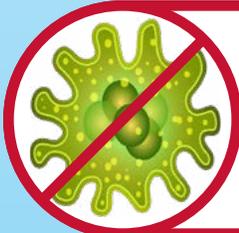
## **EVAPORATOR**

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](http://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**
- Meets EPA Safer Choice Direct Release Criteria
  - 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



- † 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

\*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



## ViroGuard™ 4376-75

- EPA registered no rinse evaporator coil cleaner and disinfectant
- Ready-to-use disinfectant formula

## Evap-Fresh® No Rinse



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

Evap-Fresh No Rinse 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, and odors. Plus, Evap-Fresh Aerosol works great on mini-splits!



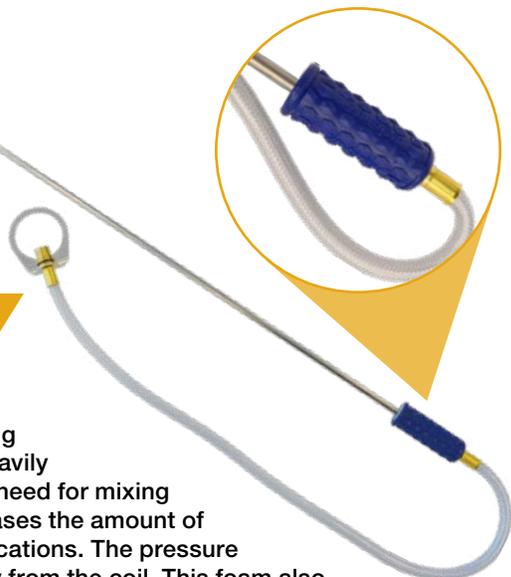
**Evap-Fresh No Rinse Liquid Disinfectant** 4166-01, 4166-08, 4166-24  
Evap-Fresh No Rinse kills SARS-CoV-2 (Covid-19) virus on hard, non-porous surfaces in just 60 seconds!

## Coil Gun®



**Coil Gun®**  
4774-0

**Coil Gun® Probe**  
4774-1  
New easy-to-grip handle



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. For easy access, use the Coil Gun Probe for "inside out" cleaning of coils and those tough to reach locations.

# 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®

Evap Pow'r®-C

CalClean®



Cal-Green™ Evap-Green™ Green Clean® Nu-Solve™ NR TriClean 2X™ Special HD® CalClean Nu-Blast® Evap Foam® No Rinse Evap-Fresh® No Rinse Blackhawk® Tri-Pow'r HD® ViroGuard™

# 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



No. 50P 4770-0 No. 120CP 4770-20 No. 200P 4771-20 No. 220CP 4771-30 No. 300P 4772-0

# PREVENTATIVE MAINTENANCE



**iWave®-C** 4900-10    **iWave®-R** 4900-20    **iWave®-M** 4900-35    **iWave®-V** 4900-40

The iWave line of air ionization systems are the full comprehensive approach to providing cleaner indoor air quality. iWave devices are bi-polar, meaning they use two emitters to create equal amounts of positive and negative ions. When these ions are injected into the air stream they reduce passing pollutants, gasses and odors. When the ions are emitted into the airstream, they will reduce certain viruses and bacteria. Contact with ions has microbicidal effects on certain viruses and bacteria, which ultimately disrupt their surface proteins and render them inactive. When the ions are injected into the airstream, they reduce certain VOCs, pollutants and airborne gases. The ions also attach to dust and other particles causing them to band together until they are large enough to be caught by filters. iWave is UL 867 ozone standard certified to produce no unsafe levels of ozone.



**Bio-Fresh® cd**  
4126-34, 4126-38

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 wall-mounted 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 Mini is designed with a slim profile, and our same fantastic gel tabs formula, specifically for mini-splits or other applications with slim access to condensate drain pans. Each Gel Tabs Mini treats up to 1.5 Tons and contains 2 Gel Tabs Mini per package.

**MiniFresh®**  
61065

MiniFresh 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.



