

## ROBUST COIL CLEANER FOR CLEANING HVACR EQUIPMENT, SPECIFICALLY KITCHEN AND COMMERCIAL APPLICATIONS

- NSF approved for cleaning HVAC/R coils in food processing areas
- Safe for use on microchannel coils
- Fragrance-free with no objectionable fumes
- Effective on grease, grime, and debris
- Non-Rinse for evaporators
- Nonflammable and biodegradable
- Available in a traditional gallon and expanding foam aerosol

**AEROSOL:** Expanding foam, sprays from any angle and meets OEM standards for cleaning coils

**LIQUID:** Meets OEM standards for cleaning coils

### Description

Blackhawk® Evaporator and Condenser Coil Cleaner is specially engineered to remove grease, grime, and other soils commonly found on HVAC coils. It's safe for use in occupied buildings with no objectionable fumes, making it ideal for various commercial applications like refrigerators, coolers, and freezers. This versatile cleaner is safe and effective on both traditional and microchannel coils.

Blackhawk aerosol is an expanding foam, non-fragrance coil cleaner for HVAC/R applications. The product's expanding foam permeates deep within the coil then liquefies to quickly remove grease, grime, and other oily surfaces. Blackhawk's heavy-duty formulation is powerful, yet safe and problem-free in food processing areas – producing no objectionable fumes.

### Application

Blackhawk is a specially formulated evaporator and condenser coil cleaner that is safe in and around food processing areas. It also can be used as a non-rinse for evaporator applications since the condensate will rinse off the coil. Blackhawk is suitable to clean washable filters, exhaust hoods and other metal surfaces.

Blackhawk liquid has a wide range of dilution ratios, designed to meet every HVACR cleaning application from heavy duty cleaning needs to standard routine maintenance. Blackhawk aerosol is efficient when cleaning smaller coils on window air conditioners, PTAC or field build-up systems.

The aerosol is very effective where an expanding foam, non-fragrance coil cleaner in an aerosol format. For hard to reach areas, use in conjunction with Nu-Calgon's 27-inch Talon Flexible Aerosol Wand.







Aerosol



## Coil Cleaners

# Blackhawk™













### Packaging

- |                 |                |
|-----------------|----------------|
| 1 gallon bottle | <b>4127-08</b> |
| 18 ounce can    | <b>4127-75</b> |

### Directions for Use (Liquid version)

For use by HVAC/R professionals only.

-  Turn off or disconnect unit power and clear away heavy dirt from the coil.
-  Wear goggles, gloves and other protective garments should be worn. Mix Blackhawk cleaning solution according to dilution chart and apply to coil.
-  Wait 5-10 minutes before rinsing coil.
-  Evaporator – no rinse if condensation is available. Condenser and other applications – rinse with water.
-  For heavy soils, repeat application if necessary.
-  Return unit to operation.



### Directions for Use (Liquid version) cont.

- Goggles, gloves and other protective garments should be worn when using this product. System must be shut off.
- Use the popular Nu-Calgon Coil Gun (product bulletin 3-454) or Nu-Calgon 50P, 200P, 300P or 120CP, 220CP low pressure plastic sprayers. The 50P sprayer provides a very ergonomical application for many commercial and kitchen application. See product bulletin 3-450 for instructions on adjusting the nozzle to a foam applicator.
- For low pressure sprayers, prepare proper cleaning solution based on the dilution chart below by mixing Blackhawk water. Add the water to the sprayer first, then add Blackhawk.

DILUTION RATIO	
Heavy Duty	5:1
Medium Duty	10:1
Routine Maintenance	15:1
No Rinse Evaporator	20:1

Recommended to use Nu-Calgon's 50P sprayer (4770-0)

COIL GUN® SETTINGS	
Heavy Duty	Set Dial to C
Medium Duty	Set Dial to D
Routine Maintenance	Set Dial to E

Recommended to use Nu-Calgon's Coil Gun (4774-0)

- Spray solution onto dirty surface and allow it to remain in contact for 5-10 minutes. Rinse thoroughly with water. Consider applying a coating of Cal-Shield, a coil protectant.
- Rinse out sprayer, spraying wand and nozzle.
- Evaporators:** Traditional Blackhawk can be used in a nonrinse application by preparing one part cleaner with 20 parts water and apply with a sprayer, provided there is ample humidity being condensed to provide rinsing.
- Additional Cleaning Applications and Routine Maintenance:** Add one part of traditional Blackhawk to each 20 parts of water. Allow parts to soak for 15 minutes and then rinse thoroughly with water.

### Directions for Use (Aerosol version)

For use by HVAC/R professionals only.

- Turn off or disconnect unit power and clear away heavy dirt from the coil.
- Wear goggles, gloves and other protective garments should be worn. Shake can, spray cleaner on coil.
- Wait 5-10 minutes before rinsing coil.
- Evaporator – no rinse if condensation is available. Condenser and other applications – rinse with water.
- For heavy soils, repeat application if necessary.
- Return unit to operation.

**Blackhawk Aerosol:** Wear protective gear, shake canister, remove cap and spray towards surface to be cleaned. Wait 5-10 minutes for foam to liquefy. Rinse the surface with water. Tip: Blackhawk aerosol's expanding foam allows the technician to move quickly through the coil during application. Aim the stream between coil rows penetrate deeper into the coil.

**Condensers:** Spray cleaner into the coil. Blackhawk's expanding foam will penetrate throughout the coil. Wait a few minutes for foam to liquefy and remove grease and grime within coil. Rinse thoroughly. For stubborn or heavy deposits, a repeat application may be necessary.

**Evaporators:** Apply Blackhawk to the coil – the condensate will rinse the coil.

Read and understand the product's label and Safety Data Sheet ("SDS") for precautionary and first aid information. The SDS is available on the Nu-Calgon website at [www.nucalgon.com](http://www.nucalgon.com).