

Freez-Kontr'1 is a complete heat transfer fluid and anti-freeze; containing 70% inhibited propylene glycol. It is non-corrosive, inhibited propylene glycol product for corrosion protection and freeze protection for chilled water, hydronic and other closed systems. Safe for use where contact with potable water is possible.

DIRECTIONS FOR USE:

This product must be used in accordance to the following directions by HVACR professionals only.

1. Clean new or lightly corroded existing system with Nu-Calgon System Cleaner (4370-08) prior to installation of Freez-Kontr'1. Do not use Freez-Kontr'1 with galvanized steel.
2. Extensively corroded existing systems should be cleaned using an inhibited acid such as Season Start Scale Remover, Eco-Lyme®, or Liquid Scale Dissolver. Job should be handled by an experienced serviceman. All necessary replacements and repairs should be made.
3. The concentration of required glycol-based Freez-Kontr'1 will depend on the kind of protection needed. There are two types of protection: burst protection and freeze protection. Burst protection prevents bursting or other mechanical damage, but it is not enough to keep solution pumpable. Freeze protection requires more glycol, and it prevents the formation of ice crystals at the lowest temperature experienced by the fluid. This assure fluid can be pumped at the lowest experienced temperature.
4. Typically, ice storage systems, fire sprinkler systems and intermittently run hydronic systems may be fine with burst protection while chilled water and lawn sprinkler systems need freeze protection.
5. See the chart and select the lowest expected ambient temperature, then go to a temperature 5°F colder to assure protection. Decide on type of protection, and identify the solution percentage that must be made up of Freez-Kontr'1.
6. Calculate or establish system volume in gallons, and multiply this volume by the percentage identified above. This will tell you the number of gallons of Freez-Kontr'1 required.
7. For optimum corrosion protection, a minimum concentration of 40% is recommended.

4188-05



Freez-Kontr'1®

INHIBITED PROPYLENE GLYCOL

Long Life Heat Transfer & Anti-Freeze Fluid
Freeze Protection to -60°F
Burst Protection to -100°F

FOR PROFESSIONAL USE ONLY

5 Gallons (18.9 L)

Percent Volume of Freez-Kontr'1	Freeze Protection	Burst Protection
100%	below -60°F	-100°F
90%	below -60°F	-100°F
80%	-49°F	-100°F
70%	-29°F	-100°F
60%	-12°F	-79°F
50%	-1°F	-52°F
40%	+10°F	-19°F

Always use a Nu-Calgon Glycol Refractometer (61301) to check freeze protection of the propylene glycol before leaving job site.

Contains: Propylene Glycol (CAS No. 57-55-6)

Refer to SDS for additional information.



CHM00371
 4188-05 Freez-Kontr'1 5 gal
 1 each

Qty 1
B85-550
 4188-05 Freez-Kontr'1 5 gal

1 20LP85
 4188-05



Nu-Calgon
 2611 Schuetz Rd.
 St. Louis, MO 63043
 Customer Service: 800-554-5499
 Chemical Emergency: 800-424-9300
 www.nucalgon.com
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