

THAWZONE[®]

The Original Liquid Dehydrant
for Control of Moisture in Refrigeration Systems

Frees a Frozen System in Minutes . . .

Thawzone, the original pioneer liquid dehydrant, frees your frozen system in minutes. And now - Thawzone's all new formulation gives you the same reliable results without Methanol.

- ★ *It's safer*
- ★ *It's non-poisonous*
- ★ *It's environmentally sound*
- ★ *It's still the fastest fix you can buy.*



THAWZONE is completely safe. It will not corrode any parts of a refrigeration system and is usable in all types of equipment, large or small, open or hermetic and is compatible with all refrigerants including all CFC's, HFC's and HCFC's.

- ★ All new Formulation - no methanol.
- ★ Use with or without solid dryers.
- ★ Safe and non-poisonous.
- ★ Biodegradable, non-polluting.
- ★ Compatible with all refrigerants and refrigeration lubricants.
- ★ Aids with oil return in low temperature systems.
- ★ Enhanced moisture control in even the most advanced systems.
- ★ Helps prevent the formation of acid.

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Highside Chemical Products are available through local wholesalers and distributors worldwide.



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THAWZONE (NEW FORMULA)

THE ORIGINAL LIQUID DEHYDRANT FOR CONTROL OF MOISTURE IN REFRIGERATION SYSTEMS.

When THAWZONE is added directly to the refrigerant of a system it will mix and circulate with the refrigerant. It seeks out moisture, chemically bonds to it, and prevents freezing. THAWZONE contains special ingredients that stabilize refrigerants, neutralize acids, dissolve gum, and the new formula helps oil return in low temperature systems. THAWZONE'S primary purpose is to free frozen systems quickly. When THAWZONE is added to a frozen system, the system will be back in service by the time the refrigerant has cycled twice.

THAWZONE can be used with or without solid driers. It does not have any effect on solid driers and solid driers do not affect THAWZONE. Some THAWZONE is always adsorbed by driers. The extent of adsorption depends on the temperature and pressure of the system, as well as, the desiccant present but in all cases water is preferentially adsorbed. THAWZONE acts as a carrier in the system working with the desiccants. It travels through the system picking up any moisture present and dropping that moisture off for the desiccant to adsorb. A high quality desiccant used with THAWZONE will quickly and permanently solve moisture and associated acid problems.

THAWZONE works when other solid driers fail because it is not affected by the temperature of the system. When a system overloads, the refrigerant temperature increases and solid driers return part of the moisture that they are holding to the system. This can cause intermittent freezing of the system. THAWZONE prevents this problem because it holds the moisture despite temperature.

THAWZONE is completely safe. It will not corrode any parts of a refrigeration system and is usable in all types of equipment large or small, open or hermetic and it is compatible with all refrigerants including all CFC's, HFC's and HCFC's.

***HIGHSIDE SYSTEM INJECTOR IS RECOMMENDED FOR INTRODUCING THAWZONE INTO AN OPERATING SYSTEM.**

RECOMMENDATIONS FOR CHARGING THAWZONE® TO REFRIGERATION SYSTEMS

QUANTITY TO USE: Add 1/8 fluid ounce (3.75 ml) of **THAWZONE** directly to the refrigerant of any system for every 1 lb. of refrigerant in the system.

- (1). If the system is large, **THAWZONE** can be added by using a standard oil charging pump; (add directly to refrigerant not to crank case.)
- (2). If the system is small, place the proper amount of **THAWZONE** in a charging hose and connect one end to the low-side access valve on the compressor and the other end to a source of refrigerant. A 36" CHARGING HOSE HOLDS 22 ml OR 3/4 OF A FLUID OUNCE. Purge both ends of the hose and tighten fittings. Open the valve at the refrigerant source. Now with the source of refrigerant above the access valve, crack the access valve very slowly and force **THAWZONE** into the system with refrigerant. **CAUTION: THAWZONE** is a liquid and will slug the compressor if charged too quickly.
- (3). Make up a charging unit out of standard pipe fittings. (1 - 2 X 1/2 nipple and 2 - 1/4 male flare X 1/2 female pipe). Assemble flare fittings on both ends of the nipple. Place a proper amount of THAWZONE in this unit. Using charging hoses, connect one end of the unit to the access valve on the low-side of the compressor and the other end to a source of refrigerant. Purge the system. Then make sure the fittings at the access valve are securely tightened and move the source of refrigerant to a position above the access valve so that the line and charging unit slope down toward the access valve. Very slowly crack the access valve on the compressor and force **THAWZONE** into the system with refrigerant.

REMEMBER! THAWZONE IS A LIQUID AND WILL SLUG THE COMPRESSOR IF CHARGED TOO QUICKLY.

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