

...containing two anti-oxidation, anti-wear systems that...

**REDUCE FRICTION**

**REDUCE ENERGY COSTS**

**EXTEND EQUIPMENT LIFE**

...a special blend of agents, both contact and friction activated...

Reduces friction of moving compressor parts

Provides stabilized boundary lubrication protection during operation as well as startup conditions

Improves heat exchange by displacement of refrigeration oil build-up

Provides oxidation and corrosion protection



**START SAVING TODAY!**

**And get compressor protection too**

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**FRIGI-TECH**



**Refrigerant Oil Supplement For Air Conditioning  
and Refrigeration Compressors**

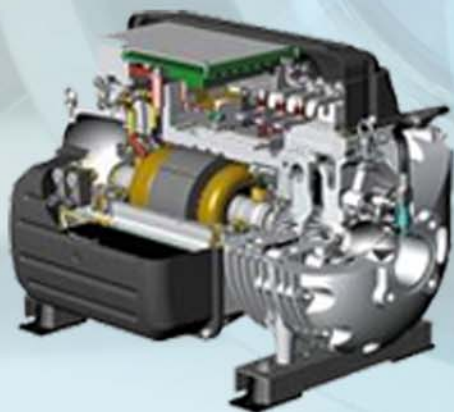


## • Reciprocating Compressor

Reciprocating compressors are treated with Frigi-Tech in the amount of 10% of the total oil capacity. When treating a HERMETIC compressor, just add 10% Frigi-Tech to the total oil capacity the compressor manufacture originally installed in the compressor. A charging cylinder can be used without having to change the refrigerant charge in the system.

When treating a SEMI-HERMETIC serviceable type compressor, Frigi-Tech recommends valving off the compressor and removing 10% of the refrigeration oil and replacing same with 10% Frigi-Tech.

A good quality refrigeration oil pump is a quick way to install Frigi-Tech. Care should be taken to insure good evacuation of the compressor before placed back in service.



## • Rotary and scroll Compressors

Rotary and scroll compressors should be treated as a hermetic compressor and no more than 10% should be added.

## • Screw compressors

Screw compressors should be treated same as a semi-hermetic compressor.

## • Centrifugal Compressors

It is recommended that Frigi-Tech be added at the same time of the oil change to take advantage of treatment benefits. 10% oil is replaced with an equal amount of Frigi-Tech.

After initial treatment, only 5% Frigi-Tech needs to be added during subsequent oil changes.

## • How FRIGI-TECH Works

Frigi-Tech contains two anti-wear, anti-oxidation systems. The primary system stays in solution and is triggered by temperature, on an as needed basis only. The secondary system is metal seeking and latches onto all internal metal surfaces.

Frigi-Tech will therefore produce maximum reduction under the most extreme load conditions (at start up, and under maximum heat load operation). That is the reason our field tests generally show greater reduction in peak power than steady state power reduction.

The steady state improvement in power consumption is mostly due to the secondary system. To quote the ASHRAE handbook 1985 Fundamentals, page 4.11 “the vapor entering the condenser often contains a small percentage of impurities such as oil. Oil forms a film on the condensing surfaces, creating additional resistance to heat transfer.”

The second systems will penetrate this oil film and dislodge it from the tube surfaces, where the system’s refrigerant will then absorb the displaced oil and return it to the compressor sump, returning the heat exchange ability to like new condition.