

Vari-Temp

2000



Why we improved the Vari-Temp

- To increase thermal efficiency and safety... high voltage, heat-generating components are removed from inside the truck body.
- For increased reliability... the old, heavy, maintenance-prone transformer and diode rectifier assembly are replaced with new, solid-state components.
- To reduce maintenance and make accessibility easier... all electrical control components are located outside the cargo space in a weather-sealed box.
- To reduce the chance of leaks... all flare-fitting refrigerant components are replaced with soldered-in connections. These new fittings include Thermal Expansion Valves (TXV), indicator sight glass and dehydrators.
- To slash downtime... faster defrosting is possible with the use of hot water, eliminating the need to unload the truck body.
- To provide better temperature control... a new solid-state plate temperature control system has been added for improved reliability and extended compressor life.

How cold plate refrigeration technology enters a new era



The new Vari-Temp 2000 Holdover Plate Refrigeration System ushers in a new era of quiet, reliable cold plate refrigeration technology. The Vari-Temp 2000 system offers even greater dependability to deliver all kinds of refrigerated products – milk, ice, meat, fresh and frozen foods, beverages and even flowers.

You also get superior dependability with less required maintenance, thanks to our innovative approach to making a successful product even better.

First introduced by Hackney Brothers in 1954, the Vari-Temp concept was unique in its approach by featuring advantages such as "load encirculating airflow" with fans that operated both when plugged in and over the road. This design pulls air off the floor and circulates refrigerated air over the top of the load.

The Vari-Temp is a cold plate bank type system mounted on the front wall, featuring water defrost for rapid plate defrosting without having to unload the truck.

Now, we are proud to introduce innovative technology to the Vari-Temp system, a system that has already proven itself for nearly a half-century and logged millions of highway miles.

Hackney

Vari-Temp 2000 Holdover Plate Refrigeration System

Money-saving electrical energy

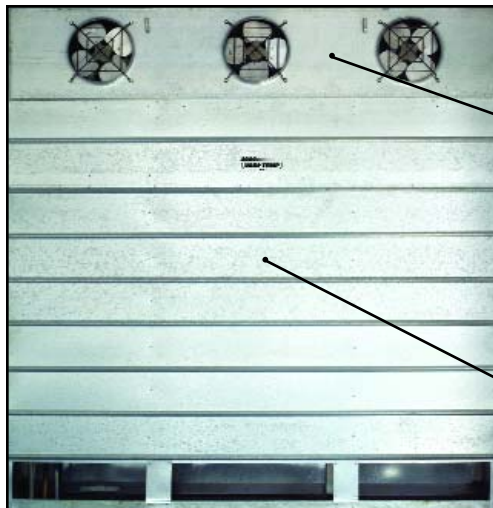
The Vari-Temp 2000 System draws power from the truck's electrical system or from an overnight plug-in source. Electrically powered fans draw air over frozen holdover plates and circulate it through the load space to maintain required product temperatures.

Quiet operation, day and night

Whether the vehicle is parked overnight in a residential or commercial area, the Vari-Temp 2000 System quietly maintains the desired temperature.

Save thousands of dollars

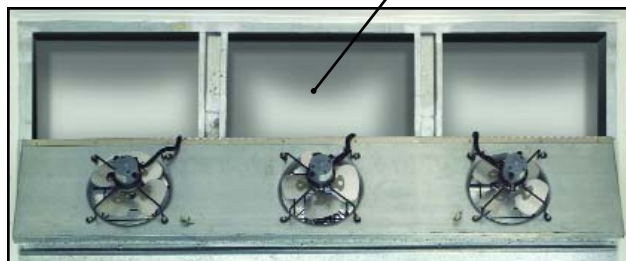
Vari-Temp 2000 is proven to be highly cost-efficient, compared with self-contained mechanical refrigeration units.



THE FAN ASSEMBLY comprises fan motors, fans and fan housings. Choose a two- or three-fan system to assure proper air circulation to maintain uniform temperature distribution throughout the body. Fan motors are 12-volt DC equipped with permanently lubricated bearings.

THE HOLDOVER PLATE ASSEMBLY contains plates that are frozen to provide over-the-road refrigeration. Choose from a variety of plate sizes and eutectic solutions, combined with our new solid-state temperature control system.

FOLD-DOWN FAN PANEL provides easy access to all internal components.



Excellent temperature control and defrost

- Solid-state control system assures proper freezing temperatures.
- Expansion valves continuously meter and control the flow of refrigerant from the condensing unit to the eutectic plates.
- Three water spray header lines use hot water or tap water for the defrost cycle.
- Defrost water cascades over plates, flushing the system.
- Sequential defrost system allows one of the three plates to be deactivated overnight.

Retrofit your Vari-Temp unit

Ask about Kidron's retrofit kit to upgrade older style Hackney Vari-Temp Systems. Kits provide all necessary components and detailed installation instructions for two- or three-fan systems.



Easy access condensing unit

Skirt mounted or nose mounted compressor units available from Thermo King and Copeland.

Hackney