

OPPORTUNITIES FOR REFRIGERATION COST SAVINGS

Replacing or buying refrigeration equipment is a great opportunity to:

- Reduce energy costs
- Enhance equipment reliability
- Improve your bottom line

Consult your refrigeration contractor to choose the best energy-saving opportunities.

Complete Efficiency Vermont's Small Commercial Refrigeration Rebate Application.

DOOR HEATER CONTROLS

Most cooler and freezer doors have heaters to prevent condensation and they run continuously all year. Humidity-based door heater controls limit operation of door heaters to periods of high relative humidity. These can save between \$40 to \$100 per door per year.

ZERO ENERGY DOORS

Zero Energy Doors have a high insulation value, eliminating the need for door heaters. They are typically installed in new construction or major renovations.

OUTSIDE AIR ECONOMIZERS

Outside air economizers reduce refrigeration system run time by introducing outside air into the walk-in cooler when outside temperatures fall below the refrigerated box temperature. This unit can be installed on most existing and new coolers and can include an evaporator fan/door heater control.

HIGH EFFICIENCY EVAPORATOR FAN MOTORS

Ask your contractor about "permanent split capacitor"(PSC) or ECM motors instead of conventional motors. Each new motor (with no controls) can save \$80 to \$100 per year. These can be installed in new or existing coolers.

DEFROST CONTROLLERS FOR FREEZERS

Defrost controllers eliminate unnecessary defrost cycles. Contact Efficiency Vermont for details.

NEW COMPRESSORS

Both Discus and Scroll compressors use less energy than standard compressors, and can last up to one third longer. Consider these when replacing or buying a new compressor.

TIPS FOR MORE SAVINGS

DISPLAY CASE COVERS

Cover refrigerated cases and freezers to reduce mixing of refrigerated air with warm room air.

FLOATING HEAD PRESSURE CONTROLS

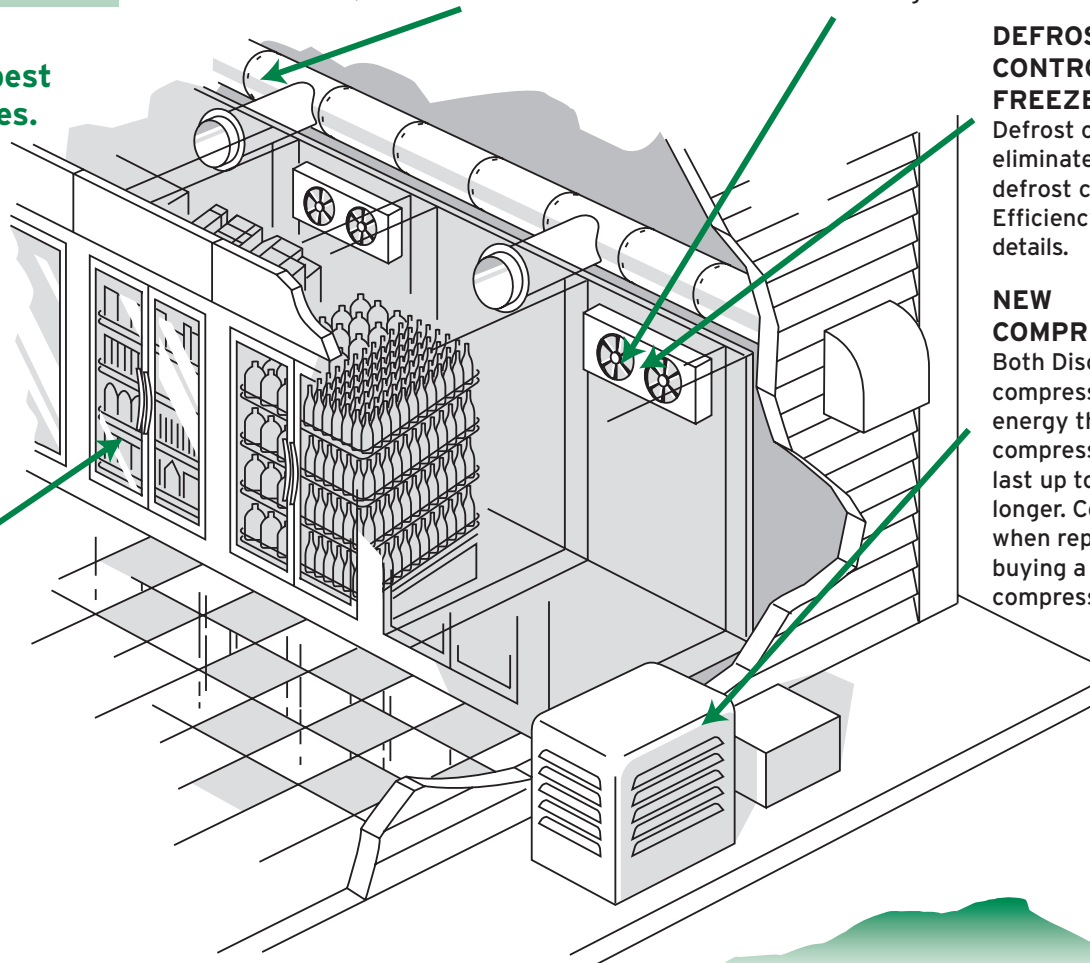
Refrigeration systems are designed for the hottest, most humid days. Floating head pressure controls allow the system to operate more efficiently during more typical, cooler conditions.

EVAPORATOR FAN MOTOR CONTROLS

This control turns off a portion of your evaporator fans while the compressor is not running, saving a significant amount of energy. It can be included in the economizer/door heater control package.

LIGHTING

Lighting equipment inside the cooler adds heat. Where lighting operates for hours at a time, replacing T12 fluorescent lighting with Super T8 fluorescent lighting or LED lighting can reduce heat gain and save electricity. Contact Efficiency Vermont for details.



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