



REFRIGERATION SUPPLY CORP.®

# NEWS BULLETIN

## Federally-Mandated Product Changes For New Walk-In Coolers and Freezers Beginning January 1, 2009

Effective January 1, 2009, the Energy Policy and Conservation Act will amend current business practices concerning **new** “walk-in coolers” and “walk-in freezers” (Excluding medical, scientific or research purposes).

Every walk-in cooler or freezer with a floor area of less than 3,000 square feet installed in the United States, manufactured on or after January 1, 2009, is required to meet the standards detailed in the Act.

ABCO Refrigeration is committed to providing you with products that meet or exceed the refrigeration regulations defined by the U.S. Energy Independence and Security Act of 2007.

### THE REGULATIONS:

#### Wall, Ceiling, Door Insulation for Walk-in Coolers and Freezers

Wall, ceiling and door insulation of all coolers must meet a minimum insulation value of R-25. Wall, ceiling and door insulation of all freezers must be at least a value of R-32.

#### Freezer Floor Insulation For Freezers

Freezer floor insulation must meet a minimum insulation value of R-28. If a freezer without a pre-fabricated insulated floor is required, the KES and/or contractor are required to insulate the building floor to meet these requirements.

#### Automatic Door Closers for Walk-in Coolers and Freezers

Automatic door closers that firmly close all walk-in doors that have been closed to within 1 inch of full closure are required. (Does not apply to doors wider than 3 feet 9 inches or taller than 7 feet.)

#### Spring Hinged Doors or Strip Doors for Walk-in Coolers and Freezers

Spring hinged doors, strip doors or other method of minimizing infiltration when doors are open are required on all exterior doors (doors opening into the ambient – not applicable to partition doors opening in a refrigerated compartment).

#### Interior Lights for Walk-in Coolers and Freezers

All interior lights in walk-ins must use light sources with an efficacy of 40 lumens per watt or more.

#### Evaporators With Electronically Commutated Fan Motors for New Walk-in Coolers and Freezers Manufactured After January 1, 2009

Evaporators with fan motors of under 1HP and less than 460 volts must use electronically commutated motors (brushless direct current motors) or 3-phase motors.

#### Condenser Fan Motors For New Walk-in Coolers and Freezers Manufactured After January 1, 2009

All condenser fan motors of under 1HP must use electronically commutated motors, permanent split capacitor-type motors or 3-phase motors.

#### Glass Display Doors and Windows for Reach-In Freezers

All transparent reach-in doors for walk-in freezers and windows in walk-in freezers shall be of triple-pane glass with either heat-reflective treated glass or gas filled and anti-sweat heaters on the door rail, glass and frame must not draw more than 7.1 watts per square foot of door opening for freezers.

#### Glass Display Doors and Windows for Reach-In Coolers

All transparent reach-in doors for walk-in coolers and windows in walk-in coolers shall be of double-pane or triple-pane glass with either heat-reflective treated glass or gas filled and anti-sweat heaters on the door rail, glass and frame must not draw more than 3.0 watts per square foot of door opening for coolers.

