



NEWS RELEASE

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Penn Refrigeration walk-ins compliant with new Federal regulations

Many new requirements have been added to the design standards of walk-in coolers and freezers with the passage of the Federal Energy Independence and Security Act of 2007. These new requirements are designed to reduce total energy consumption and provide a more environmentally friendly product. Changes from this new legislation will be mandated on January 1, 2009. This act benefits both Penn and our customers as it establishes a uniform federal set of requirements. This law only pertains to equipment used on new walk-in coolers and freezers manufactured on or after January 1, 2009. These requirements are not interpreted to impact current coolers and freezers in operation.

Exceptions for the new standards are any products exceeding 3,000 square feet and any products designed and marketed exclusively for medical, scientific, or research purposes.

Penn Refrigeration, in its constant efforts to provide its customers with the best possible product, already meets many of the new requirements. Section 312 of the legislation lists the following as new standards and requirements.

NEW REQUIREMENTS

- Automatic door closers that close the door fully from within 1" of closed are required for all products, unless the door is wider than 3 feet 9 inches or taller than 7 feet.
- Strip doors, spring hinged doors, or other methods of minimizing air infiltration when doors are open are required.

PENN REFRIGERATION FEATURES

- Penn Refrigeration standard self-closing cam lift hinges and spring loaded door closers will close doors fully from within 1" of closed.
- Penn Refrigeration can offer vinyl strip curtains or double swing vinyl doors as methods of minimizing air infiltration when doors are open.



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- Wall, ceiling and door insulation must be at least R-25 for coolers, and R-32 for freezers.
- Floor insulation for freezers must be at least R-28.
- Evaporator fan motors less than 1 horsepower require electronically commutated (EC) or 3 phase design.
- Condenser fan motors less than 1 horsepower are required to be electronically commutated (EC), permanent split capacitor (PSC), or 3 phase design.
- Interior lighting require an efficacy of 40 lumens per watt or more, including ballast losses (if any), when light sources do not meet the 40 lumen minimum a device must be used which is capable of turning the interior lights off within 15 minutes of being unoccupied by people.
- Transparent reach-in doors for walk-in coolers must be double pane with heat-reflective treated glass and gas fill, or triple pane glass with either heat-reflective treated glass or gas fill.
- Transparent reach-in doors for walk-in freezer must be triple pane glass with either heat reflective treated glass or gas fill.
- For units with an anti-sweat heater, without anti-sweat heat controls, the appliance shall have a total door rail, glass, and frame heater power draw of not more than 7.1 watts per square foot of door opening (for freezers) and 3.0 watts per square foot of door opening (for coolers)
- Penn Refrigeration 4" panels for coolers are rated at R-29 and rated at R-32 for freezers.
- Penn Refrigeration floor panels are rated at R-29. Freezers that are "floorless" are recommended to have minimum slab insulation of R-28.
- Penn Refrigeration evaporator fan motors less than 1 horsepower use E C style motors.
- Penn Refrigeration uses PSC motors on condenser fan motors less than 1 horsepower.
- Penn Refrigeration uses fluorescent vapor proof fixtures that exceed the 40 lumens per watt required. Four foot fluorescent tube fixtures also exceed the required lumens. Optional door and light monitors are available.
- Penn Refrigeration uses triple pane glass on all glass reach in doors and windows.
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- Penn Refrigeration heater cables comply with regulations for both glass doors and walk-in doors.