

THE CHILL ZONE

COMMON SENSE SOLUTIONS FOR COLD STORAGE EFFICIENCY



What are the purpose of Door Heaters for Reach-in Coolers and Freezers?

It is inevitable that surface condensation will form on the glass of cooler and freezer reach-in doors and frames. Just like a cold can of soda on a warm sunny day, the cool surface of the metal or glass door on a refrigerated space can attract condensation, especially during bouts of high humidity. In addition to fogging up your doors and obscuring your merchandise, condensation creates the potential of puddles on the floor – possible slip and fall; corrosion of the door frames; mold or mildew or deterioration of the seals and gaskets; frame and glass.

To prevent these condensation related problems, manufacturers of Reach-ins include electric heaters in the frames; doors and sometimes in the glass of the cooler or freezer doors. These anti-sweat door heaters keep the glass and frames clear of condensation by raising the surface temperature of the door above the dew point and they operate full power 24/7/365 period.

But what happens if the Box condition changes, such as the Humidity?

For the most part the anti-sweat heaters work okay keeping the doors clear and dry. They are running 24/7, all year long and consuming a lot of energy. But again, there are times when the conditions in the store do not require the full heat output. Such as during dry weather or when the air conditioning is fully loaded and aggressively dehumidifying the store. In this case, the dew point may be very low, requiring little to no heat on the cooler doors. But during the peak humidity or colder season when the air conditioning may be running very little, humidity will build up in the store, requiring the max heat output to keep the doors and frames dry.

So, what are my options? Introducing the Ice Age Meets ArtikControl® ASHC Smart Technology Age! This is where we say the Rubber meets the Road!! **ArtikControl®ASHC - Anti-Sweat Heater Controllers are for glass reach-in- display cases to maximize energy efficiency and to save Money! The innovative Smart Technology regulates the operation of the heating elements by turning them on only when condensation is detected. Just like a Dimmer – automatically adjusting the heater output to match real-world operating conditions in your store. Therefore, it helps keep display cases free of sweat, frost and ice! The Controllers can easily be installed in existing cases with no additional wires needed.**

Typically, you can save 45-90% using ArtikControl® ASHC by controlling operational costs. What does it mean in real dollars? In areas where you pay 14 cents/kWh, it could add up to \$85.00/cooler door or \$150/freezer door, per year! If you are a store owner that has 20 coolers doors = \$1700 + 12 freezer doors = \$1,800 = \$3500 a year savings, just on your doors!

For More Information on ArtikControl® ASHC Call 888-286-3091 or Visit Us at www.refrigerationtechnologiesllc.com

Hello! Thank you for requesting information on Refrigeration Technologies' State of the Art – Anti-Sweat Heater Controller: ArtikControl® ASHC.

Refrigeration Technologies' products are 100% tested proven and offer quantifiable savings.

All products come with a Standard Five (5) year Warranty.

The ArtikControl® ASHC offers a quick payback period of < 1 Year!

Refrigeration Technologies' will help to research, process and file energy rebate applications when available to provide maximum dollar savings!

