

HCR PCAV Air Door

U.S. Pat. No. 10,921,049
and Patents Pending

Grocery Retail



Save Energy. Safe Environment.

The HCR Air Door PCAV can:

- ➔ Reduce defrost cycles by 50-75%
- ➔ Dramatically reduce refrigeration equipment maintenance costs
- ➔ Prevent extreme temperature fluctuations
- ➔ Eliminate ice on the product
- ➔ Return on investment in as quickly as one year
- ➔ Decrease clean up labor
- ➔ Remove slip hazard

Overview

The HCR PCAV Air Door is an air vestibule that dramatically reduces moisture infiltration into walk-in freezers, while reducing temperature loss when the door is left open. The Air Door also eliminates ice problems, resulting in less evaporator maintenance and general ice cleanup, all providing a quick return on investment.

PCAV installations report:

- ➔ Reduction in defrost cycles and time up to 75%, leading to reduced energy consumption and significant annual energy savings.
- ➔ PCAV holds design temperatures and eliminates the extreme temperature fluctuations caused by leaving the door open to load or unload product.
- ➔ Service calls to fix broken fans and failed motors caused by icing are eliminated. This alone gives the PCAV a payback of less than 1.5 years.

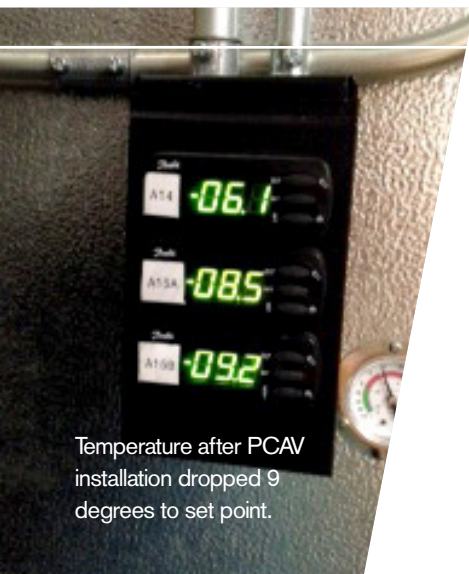
Benefits of PCAV

- ➔ Models in stock for quick delivery.
- ➔ Self-supporting unit made of power-coated steel with quick, easy installation.
- ➔ Reduces moisture infiltration and temperature loss when the door is open.
- ➔ No ice build up - ensuring consistent temperatures and equipment integrity.
- ➔ Safer environment for employees – no more slipping and falling hazards.
- ➔ Return on investment (typically) in two years or less.

Before



After



Temperature after PCAV installation dropped 9 degrees to set point.