

Case Study #2 Daw Tech Completes Installation of Air Curtains for Dan's Markets.

Summary:

Daw Tech specialization in creating controlled environments has led to the design and manufacturing of Air Curtains for commercial applications. This product was recently installed on an Associated Food Store subsidiary called Dan's Foods.

Situation:

Dan's Foods like so many other high volume retail outlets has had for the past several years infiltration problems (unwanted cold/hot air that comes in through open doors) This problem was most prevalent during the summer and winter months of the year. This problem was so great during some times of the year that the Flower and Plant center located at the front of the store had product loss due to extreme temperatures as well as creating an uncomfortable working and shopping environment.

A few years ago more heat was added to the front of the store but not solve the ongoing problem because the added heat "rose" to the ceiling and did not really temper the unwanted infiltration coming through the front doors.

"The EnviroZone™ Air Curtain has significantly improved the quality of our work environment," said Mike Jackson Director of Development for Dan's Supermarkets Inc. "We were seeing product ruined due to heat in the summertime, our employees, who worked near the entrances, were wearing coats in the winter to keep warm and some of our customers complained because of the chilly environment. The Daw Tech air curtain was the perfect solution because it not only created a more comfortable environment, but it was also extremely easy to install and was affordable."

The Solution:

The facilities manager of Associated Foods called Daw Tech to help solve this problem. Daw Tech applied its' knowledge of Air Movement to its newest commercial product called an Air Curtain. This is a heated unit that bolts above the entranceway. This unit installs easily and is quiet, affordable and attractive with a curved radius front. The unit pulls the air from the interior of the building and heats it to approximately 130° F.

This heated air is discharged from the unit at around 1200 feet per minute. This discharge creates a curtain of conditioned air that meets the unwanted infiltration "head on."

The result is a temperature rise of around 15-20°. This does wonders for the interior climate of the store. At this store the temperature rose from a chilly 50° measured 4' inside the store to a comfortable 70° as the Air Curtain was made operational

Conclusion:

The air curtain makes sense because it treats the problem at the source of the problem which is the open door. Daw Tech has developed the most advanced and trouble free Air Curtain systems on the market today. Like Dan's Foods Air Curtains designed and Manufactured by Daw Tech can help you solve your entrance problems.



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continued

About Dan's Foods

For over 50 years Dan's Foods has offered a grocery shopping experience that emphasizes fresh foods and superior service. Dan's has always been known as a store where you can count on service that goes the extra mile. In one national survey, Dan's was rated as having the top customer service among grocers in America. Dan's employees view each customer as a friend and neighbor, and that's the way you expect to be treated when you visit Dan's.

About Daw Tech

Daw Tech is a leading global supplier of controlled environmental solutions. Services include design and engineering, specialty contracting and UHP process systems expertise for the microelectronic and life sciences industries. Daw Tech's product portfolio includes architectural components for contamination control and containment, as well as systems for commercial applications.



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