# Blown Away

### AIR CURTAINS: A VIABLE ALTERNATIVE TO VESTIBULES

Your company would love to cut energy costs, but every time a customer walks in the door, some of that expensively conditioned air flows out. So what's the best solution? Recent studies have proven that air curtains are more effective at saving energy than vestibules. Find out how much you could start saving today.

#### Gone with the Wind



global energy consumed by the U.S. in 2011

9

primary energy usage in the U.S. was by the building sector

#### The Cost of Energy Savings

COST OF A VESTIBULE

88<l

\$20,000 - \$60,000

COST OF AN AIR CURTAIN

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\$2,000 -

\$6,000 + Installation

#### **Weighing Your Options**

A 2008 Berner study concluded that regardless of loading, building performance aligns in the same order:







— **GOOD** — Temperature Retention

**BETTER** Temperature

RETENTION

- **BEST** -Temperature

RETENTION

The biggest step you can take toward energy savings is installing an air curtain

TEMPERATURE LOSS:

— 33.5°F 10.3°F 20.6°F 9.6°F 19.6°F

More wind and pedestrian traffic Less wind and pedestrian traffic

# Long-Term Losses — or — Long-Term Savings?

An investigation by the Air Movement and Control Association International, Inc., concluded:

FOR A MODELED MEDIUM OFFICE BUILDING:

1,146 KWH -18,986 KWH



limate Zone



## IN ANNUAL SAVINGS

with an air curtain in cooler climates compared to vestibules

AIR CURTAINS REDUCE AIR
INFILTRATION SIGNIFICANTLY





Air infiltration accounts for up to 18% of heat loss

Berner.com: SAVING ENERGY AND CREATING HEALTHY, COMFORTABLE ENVIRONMENTS

#### SOURCES:

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