



POWERED AIRE INC.

# Aire Time

FOR ARCHITECTS & ENGINEERS

9-09

888-321-2473

www.poweredaire.com

## Your Source For Information on Aire Curtains

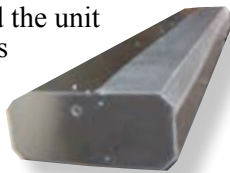
# Custom Design Engineering

### Problem

- #1 Aesthetic concerns
- #2 Space limitations

### Solution

There was a beam that would have blocked the intake of our Mini-Power unit, so we manufactured the unit with a top air intake. This enabled the aire curtain to fit between the wall and the beam without affecting the air flow.



*I didn't know you could do that!*

- Custom sizes
- Heated motors for freezer applications
- Custom duct for indirect gas heated aire curtains
- Baffles on discharge for air volume control
- V-bank filters on industrial units
- Heresite coated blowers and housings
- Special bracket designs
- Vertical mounting struts
- Extra heaters on intake
- PVC side shields

### Problem

- #1 Aesthetic concerns

### Solution

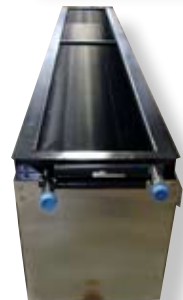
A custom black powder coated case was constructed to blend into the ambiance of its surroundings.



### Problem

- #1 Corrosive atmosphere

### Solution



Powered Aire offers two lines of stainless steel air curtains for corrosive atmospheres. These units consist of a 316 stainless steel casing, fan and housing, inlet screen and discharge nozzle, and 'Mill and Chemical' duty motors.

### Problem

- #1 Heat needed
- #2 Space limitations

### Solution

Powered Aire's engineering dept. designed a vertically mounted direct gas fired aire curtain.



### Problem

- #1 Existing building management system

### Solution



We install an automated building control system on our aire curtains for our clients.

### Problem

- #1 Cooling & heating needed

### Solution

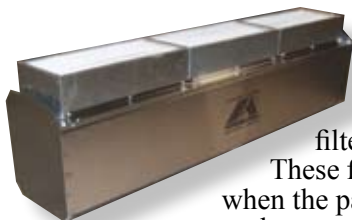


Powered Aire's chilled water aire curtain system will provide an 8 to 18 degree decrease in temperature. This same unit can also be used as a hot water heated aire curtain.

### Problem

- #1 Reduce airborne contaminants

### Solution



Powered Aire can customize aire curtains with HEPA filters on the air intake screen. These filters are 99.97% efficient when the particle size is .3 micron diameter or larger.

### Problem

- #1 Explosive atmosphere

### Solution



Powered Aire offers two lines of spark resistant air curtains for hazardous areas. The units in these lines are manufactured for use in Class I Division I Group C & D and Class II Group F & G hazardous areas.