



# SPECIALTY APPLICATIONS: CUSTOM SOLUTIONS FOR UNIQUE CHALLENGES

## THE BENEFITS OF INSTALLING AN AIR CURTAIN

- Repel windborne contaminants, debris and flying pests
- Minimize air transfer between different interior building zones
- Maintain building temperature when doors are open
- Eliminate pathogens, particulates, viruses and odors
- Enhance occupant comfort and ensure safety
- Improve Indoor Air Quality (IAQ)



Application Images: Above - Distribution Warehouse Floor Plan; Top Right - Dock Door with Vertical Mount; Top Center - Customer-Finish Bronze-Coated Air Curtain; Bottom Right - Dishwasher Dryer

## MARS PROTECTS SPECIALTY APPLICATIONS

- **Customer Front Entrances** Keeps flying insects out and conditioned air in.
- **Walk-in Cooler/Freezer** Maintain consistent temperature control to protect perishable products and packaging without the need for plastic strip curtains. Mars UVC® models further extend the shelf life of perishable foods by up to 25%.
- **Bathrooms & Lavatory** Mars UVC® tackles the toughest odors and enhances sanitation.
- **Mars UVC™** Odorous refuse and compactor areas are neutralized with Mars UVC®, which eliminates VOCs and strong, lingering odors.
- **Dishwasher Dryer** High-volume facilities use air curtains to expedite drying time at a reduced cost.
- **Interior Zone Separation** Minimize air transfer between different zones within a building.
- **Receiving Dock Door** Maintaining a consistent building temperature while blocking dust, exhaust fumes, and flying pests. This helps keep loading docks cleaner and safer for both products and employees.

## ENTRY & RECEIVING DOOR & PASS-THRU WINDOWS



STD2 (Standard)

### LPV2 (LoPro2)

- Mounting height up to 8'
- Available in Unheated, Electric, & Hot Water/Steam Heat
- Variable Speed Controller
- Low Profile

### STD2 (Standard 2)

- Mounting height 8'-12'
- Available in Unheated, Electric, & Hot Water/Steam Heat
- AMCA Certified (Unheated & Electric Heat)

## SPECIALTY ENTRY & RECEIVING DOORS

### PH (Phantom)

- Mounting height up to 8'-16'
- Available in Unheated, Electric, & Hot Water/Steam Heat
- Recessed mount
- Reduced noise output by up to 25%
- AMCA Certified

### QP (QuietPro™)

- Mounting height up to 8'-12'
- Available in Unheated, Electric, & Hot Water/Steam Heat
- Reduced noise output by up to 25%
- AMCA Certified (QP8)

### Clean Air

- Mounting height up to 10'
- Unheated only
- UVC/UVV, HEPA, & Ionization Filtration

### Sanitation (LPN2/N2/NH2)

- Mounting height up to 8'
- Unheated only
- ETL Sanitation Listed as per NSF/ANSI 37



Clean Air (UVC)

## MID SIZE DOCK & RECEIVING DOORS

### HV2 (High Velocity 2)

- Mounting height 12'-14'
- Available in Unheated, Electric, Hot Water/Steam, & Indirect Fired Gas Heat
- AMCA Certified (Unheated)

### EP2 (Extra Power 2)

- Mounting height 14'-16'
- Available in Unheated, Electric, Hot Water/Steam, & Indirect Fired Gas Heat



EP2 (Extra Power)

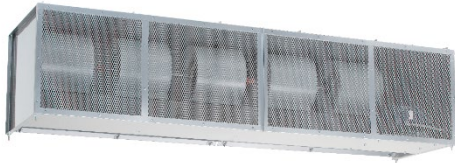
## LARGE DOCK DOORS

### WMI/WMH (Wind Stopping)

- Mounting height 14'-20'
- Available in Unheated, Electric, Hot Water/Steam, & Indirect Fired Gas Heat
- Direct drive motor
- AMCA Certified (Unheated)

### BD (WindGuard)

- Mounting height 14'-32'
- Available in Unheated, Electric, Hot Water/Steam, & Indirect Fired Gas Heat
- Belt drive motor



BD (WindGuard)

## SPECIALTY OPTIONS

WASHDOWN | EXPLOSION PROOF | TAMPER PROOF | COLD STORAGE

## MARS RECOMMENDED ACCESSORIES

### SWITCHES

- MECHANICAL
  - COMBO PLUNGER/ROLLER
- MAGNETIC
  - COMMERCIAL SURFACE MOUNTED
  - INDUSTRIAL SURFACE MOUNTED



99-014  
Combination Plunger/Roller Type

### CONTROLLERS

- MOTOR CONTROL PANELS
  - ADJUSTABLE TIME DELAYS
- SOLID-STATE
  - SIMPLELINK® 2
  - BASIC CONTROLLERS



J0021  
Time Delayed Basic Controller (1/2 HP)

### MOUNTING BRACKETS

- OFFSET
- EXTENDED WALL
- TRANSOM



B0005  
Adjustable Combination Mounting Bracket

### FILTERS

- WASHABLE ALUMINUM
  - 1/4" PRESSED (MERV 4)
- THROWAWAY PLEATED
  - HEPA (99.9%, 0.3 MICRONS)
  - 1/2" TO 2" PLEATED (MERV 8)



Pressed Frame Aluminum Filter



atmosphere is everything

**Mars Air Systems**

Air Curtain and Air Door Manufacturer

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