

Ready Access, Inc.  
1815 Arthur Drive  
West Chicago, Illinois 60185  
Toll Free (800) 621-5045  
Phone (630) 876-7766  
Fax (630) 876-7767  
Web Site www.ready-access.com  
E-Mail ready@ready-access.com

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## Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, as described in *The Project Resource Manual—CSI Manual of Practice*.

The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all "Specifier Notes" when editing this section.

Section numbers and titles are from *MasterFormat* 1995 Edition, with numbers and titles from *MasterFormat* 2004 Edition in parentheses. Delete version not required.

### SECTION 15832 (23 34 33)

#### AIR CURTAINS

Specifier Notes: This section covers Ready Access air curtains for use with flush-mount, sliding-panel, pass-thru windows. Consult Ready Access for assistance in editing this section for the specific application.

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Air curtains for use with flush-mount, sliding-panel, pass-thru windows.

##### 1.2 RELATED SECTIONS

Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to this section.

- A. Section 07620 (07 62 00) - Sheet Metal Flashing and Trim.
- B. Section 07920 (07 92 00) - Joint Sealants.
- C. Section 16100 (26 05 00) - Wiring Methods (Common Work Results for Electrical).

### 1.3 REFERENCES

Specifier Notes: List standards referenced in this section, complete with designations and titles. This article does not require compliance with standards, but is merely a listing of those used.

- A. ASTM B 209 - Aluminum and Aluminum-Alloy Sheet and Plate.
- B. ASTM B 580 - Anodic Oxide Coatings on Aluminum.
- C. ASTM B 680 - Seal Quality of Anodic Coatings on Aluminum by Acid Dissolution.

### 1.4 SUBMITTALS

- A. Comply with Section 01330 (01 33 00) - Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including materials, components, fabrication, finish, and installation instructions.
- C. Shop Drawings: Submit manufacturer's shop drawings, including plans, elevations, sections, and details, indicating dimensions, tolerances, materials, fabrication, fasteners, hardware, finish, electrical wiring diagrams, options, and accessories.
- D. Samples: Submit manufacturer's samples of standard finishes.
- E. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- F. Manufacturer's Project References: Submit list of successfully completed air curtain projects, including project name and location, name of architect, and type and quantity of air curtains installed.
- G. Operation and Maintenance Manual: Submit manufacturer's operation and maintenance manual, including operation, maintenance, adjustment, and cleaning instructions, trouble shooting guide, parts list, and electrical wiring diagrams.
- H. Warranty: Submit manufacturer's standard warranty.

### 1.5 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Minimum of 10 years successful experience continuously manufacturing air curtains.

### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage: Store materials in clean, dry area indoors in accordance with manufacturer's instructions.
- C. Handling: Protect materials and finish from damage during handling and installation.

## **PART 2 PRODUCTS**

### **2.1 MANUFACTURER**

- A. Ready Access, Inc., 1815 Arthur Drive, West Chicago, Illinois 60185. Toll Free (800) 621-5045. Phone (630) 876-7766. Fax (630) 876-7767. Web Site [www.ready-access.com](http://www.ready-access.com). E-Mail [ready@ready-access.com](mailto:ready@ready-access.com).

Specifier Notes: Specify the required air curtains. Consult Ready Access for assistance in determining air curtains for the specific application.

### **2.2 AIR CURTAINS**

- A. Air Curtains: Access Air AA100 Pass-Thru Air Curtain System.
  - 1. Mode of Operation: Outside fly fan.
  - 2. Dimensions: 22 inches wide by 11-3/4 inches high by 13 inches deep.
  - 3. Air Velocity: 600 feet per minute.
  - 4. Electrical: 104/120 V, 3 A, 60 Hz.
  - 5. UL Listed: E193191, 98AL.
  - 6. Exterior Housing: Aluminum sheet, ASTM B 209, Alloy 5005-AQ-H34.
  
- B. Air Curtains: Access Air AA300 Pass-Thru Air Curtain System.
  - 1. Modes of Operation:
    - a. Outside warm air flow only.
    - b. Inside warm air flow only.
    - c. Both outside and inside warm air flow.
    - d. Outside fly fan only.
  - 2. Dimensions: 47-1/2 inches wide by 16 inches high by 21-3/4 inches deep.
  - 3. Air Velocity: 600 feet per minute.
  - 4. Heater: 7,100 watts.
  - 5. Electrical: 208/240 V, 32 A, 60 Hz, 1-phase.
  - 6. UL Listed: E186519, 35HL.
  - 7. Exterior Housing: Aluminum sheet, ASTM B 209, Alloy 5005-AQ-H34.

### **2.3 FABRICATION**

- A. Assembly: Factory assembled.

### **2.4 ALUMINUM FINISH**

Specifier Notes: Specify one of the following anodized finishes or the powder coat painted finish for each air curtain.

- A. Anodized:
  - 1. Statuary Bronze, AA-M10-C12-C22-A44, ASTM B 580.
  - 2. Clear, AA-M10-C12-C22-A31, ASTM B 680.
  
- B. Powder Coat Painted:
  - 1. Paint: Tiger Drylac Series 49.

2. System: Heated phosphate-cleaned, electrostatic powder-coated, infrared oven-cured.

Specifier Notes: Consult Ready Access for availability of custom colors.
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3. Color: \_\_\_\_\_ .

### **PART 3 EXECUTION**

#### **3.1 EXAMINATION**

- A. Examine areas to receive air curtains. Notify Architect of conditions that would adversely affect installation or subsequent use. Do not proceed with installation until unsatisfactory conditions are corrected.

#### **3.2 PREPARATION**

- A. Ensure openings to receive air curtains are plumb, level, square, accurately aligned, correctly located, and in tolerance.

#### **3.3 INSTALLATION**

- A. Install air curtains in accordance with manufacturer's instructions.
- B. Install air curtains plumb, level, square, true to line, and weathertight, without warp or rack.
- C. Anchor air curtains securely in place to supports.
- D. Separate aluminum from other metal surfaces with bituminous coatings or other means approved by Architect.
- E. Sheet Metal Flashing: Install sheet metal flashing as specified in Section 07620 (07 62 00).
- F. Joint Sealants: Install joint sealants as specified in Section 07920 (07 92 00).
- G. Electrical: Install electrical power as specified in Section 16100 (26 05 00).
- H. Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.
- I. Remove and replace damaged components that cannot be successfully repaired as determined by Architect.

#### **3.4 ADJUSTING**

- A. Adjust air curtains to function properly.

#### **3.5 CLEANING**

- A. Clean air curtains promptly after installation in accordance with manufacturer's instructions.
- B. Remove excess joint sealant in accordance with sealant manufacturer's instructions.

- C. Do not use harsh cleaning materials or methods that would damage finish.

### **3.6 PROTECTION**

- A. Protect installed air curtains to ensure that, except for normal weathering, air curtains will be without damage or deterioration at time of substantial completion.

**END OF SECTION**