

# High-Performance Air Curtain Refrigerators

## Models: ACR10 Series

### Models and options that meet your needs

Our versatile range of high-performance air curtain refrigerators are specially designed for use during tray assembly, providing convenient access to refrigerated pre-plated and pre-packaged food products. Multi-directional air flow creates a “curtain” of cold air that allows the door to remain open during mealtime tray assembly (see *Operating Parameters* page 4, *schematic drawings* page 5). Air flow is directed across the cabinet opening to keep hot air out, and cold air in.

Aladdin’s ACR10 Series air curtain refrigerators work in all types of kitchen configurations. Door is field reversible<sup>1</sup>, should your needs change later. **A twist-lock plug option is available for drop-cord applications.**



All models have a Bluetooth-enabled controller with a mobile app that provides the option to export air temperature data.



**ACR10SL**  
Model shown comes with Stainless-steel door and left-side hinges.



**ACR10GR**  
Model shown comes with glass door and right-side hinges.

### Stainless Steel Door Model Information

Model Number	Hinge Side	NEMA Plug
<input type="checkbox"/> ACR10SL	Left	5-20P
<input type="checkbox"/> ACR10SL-LP	Left	L5-20P
<input type="checkbox"/> ACR10SR	Right	5-20P
<input type="checkbox"/> ACR10SR-LP	Right	L5-20P

**Note: Unit should be operated on a 20-amp dedicated circuit**

### Glass Door Model Information

Model Number	Hinge Side	NEMA Plug
<input type="checkbox"/> ACR10GL	Left	5-20P
<input type="checkbox"/> ACR10GL-LP	Left	L5-20P
<input type="checkbox"/> ACR10GR	Right	5-20P
<input type="checkbox"/> ACR10GR-LP	Right	L5-20P

**Note: Unit should be operated on a 20-amp dedicated circuit**

<sup>1</sup>Requires alternative hinge kit. Not applicable to sliding door model.

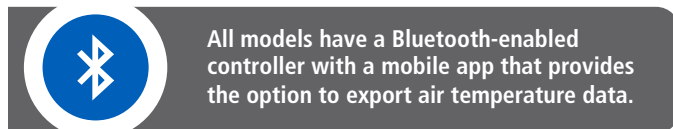
## High-Performance Air Curtain Refrigerators

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#### Sliding door option to maximize space

Maximize your tray assembly space without sacrificing performance. Our sliding-door refrigerators offer the same outstanding functionality as our standard models but with a space-saving twist. Our sliding doors glide on rigid rails, letting you open and close the refrigerators without repositioning, even in the most compact kitchen spaces.

**A twist-lock plug option is available for drop-cord applications.**



**ACR10SLSD**  
Model shown comes with stainless-steel door and left-side hinges.



SCAN TO WATCH  
SLIDING DOOR ANIMATION

Stainless Steel Door Model Information		
Model Number	Hinge Side	NEMA Plug
<input type="checkbox"/> ACR10SLSD	Left	5-20P
<input type="checkbox"/> ACR10SLSD-LP	Left	L5-20P

**Note: Unit should be operated on a 20-amp dedicated circuit**

# High-Performance Air Curtain Refrigerators

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### Standard Features

#### Design/Construction

- **Capacity:** Holds 10 standard 18" x 26" or 20 18" x 13" sheet pans.<sup>2</sup>
- **Cabinet:** Durable stainless steel cabinet interior and exterior. Cabinet includes stainless steel tube frame.
- **Glass door models:** Double-pane tempered safety glass provides energy efficiency and superior thermal protection against condensation. Doors are filled with argon gas and have a reflective coating for even greater energy savings. The aluminum door frame includes a full-perimeter gasket for a tight seal, and an easy-open handle.
- **Stainless steel door models:** Fully insulated stainless steel, handle-less door, flush to cabinet edge, including two 11-gauge, stainless steel, lift-off door hinges<sup>1</sup> and a full-perimeter gasket for a tight seal.

Multi-directional air flow keeps hot air out, and cold air in during tray assembly to help ensure food product safety.



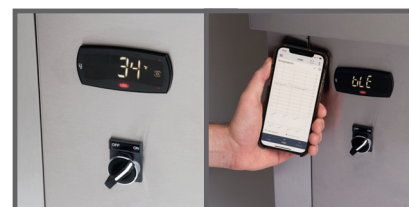
- **Controller:** User-friendly, adjustable controller with exterior digital temperature display; automatic and manual defrost cycles. Bluetooth capability allows for live parameters adjustments, alarm setting, and more.
- **HACCP Data:** Air temperature data can be viewed/downloaded to Excel for HACCP reporting.



- **Casters:** Four 5.0" (13 cm) non-marking swivel casters, two with brakes.
- **Tray spacing:** 4.25" (11 cm) fits taller food products.

#### Performance

- **Open-door operation:** Maintains average food temperatures of 41°F (5°C) or lower for 90 minutes with door open during tray assembly<sup>3</sup>.
- **Pre-chill cycle included:** Extends food cold-temperature performance.
- **Air flow design:** Designed with interior air ducts on both sides of the interior and top of cabinet, including strategically placed air-flow perforations that create the "air curtain." Includes multi-directional air flow across the cabinet opening to keep hot air out, and cold air in, ensuring safe product during service hours.
- **Refrigeration system:** R404-A refrigeration system with bottom-mount condensing unit for added stability. Enhanced ventilation is provided by the removable louvered front, side and rear panels. Air circulation fans and forced-convection coil are contained within top-mounted housing. The system has sufficient capacity to maintain cabinet temperatures with the door open, under normal use. Includes automatic condensate evaporator.



Bluetooth capable adjustable controller with digital display.

#### Easy to Use

- Field-reversible door accommodates equipment layout changes.<sup>1</sup>
- 2-position, stainless steel tray slides with flat and slanted operation positions.
- Full 270° door swing with magnetic catch for open position.<sup>1</sup>
- Flush, recessed, side-grip handles and tubular-grip rear handles with end bumpers for easy positioning.
- 7' (2 m) usable cord with plug assembly.

#### Easy to Clean

- Removable tray slides and interior panels for cleaning.
- Front louvered panel is easy to remove (without tools) for condenser coil cleaning and clear access to the compressor and electrical wiring for servicing.



Model  
**ACR10GR**

ACR10 air curtain refrigerators hold ten (10) standard size 18" x 26" sheet pans.<sup>2</sup>

<sup>1</sup>Not applicable to sliding door model.

<sup>2</sup>Sheet pans are not included.

<sup>3</sup>See Operating Parameters on page 4.

# High-Performance Air Curtain Refrigerators

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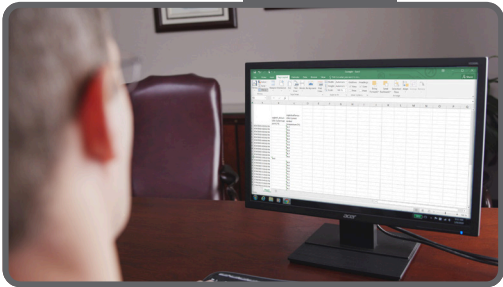
The ACR10 series controller offers a user-friendly interface with an adjustable controller and exterior digital temperature display. For additional features, the controller is Bluetooth capable and can be accessed by downloading the app from your provider's app store. Reference owner's manual for details on downloading and using the app.



ACR10 Series Mobile App Capabilities		
Icon	Name	Description
	Settings	Customize setpoints
	Power On / Off	Powers the air curtain on and off
	Reports	Air temperature logs for HACCP monitoring
	Alarms	Set up alarms



All models have a Bluetooth-enabled controller with a mobile app that provides the option to export air temperature data.



Temperature logs allow users to view and export data to efficiently review performance and historical air temperature information.

### Operating Parameters

To maintain an average food temperature of 41°F (5°C) or lower for 90 minutes with the door open, the procedures listed below must be followed:

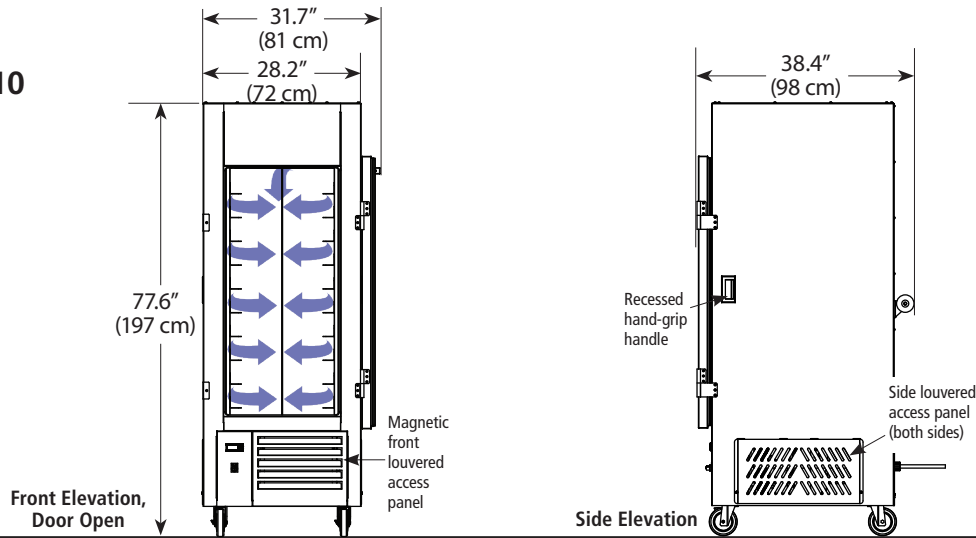
- To prepare food for tray assembly, pre-chill the air curtain to the factory set point of 34°F (1.1°C) before loading any products into it.
- The actual temperature of any product loaded into the air curtain should be 40°F (4.4°C) or lower, including food replenishment products.
- After loading, close the door and keep it closed until the air curtain temperature display reaches its factory set point of 34°F (1.1°C).
- Positioning products correctly in the air curtain is critical to obtaining maximum temperature efficiency (see owner's manual for food placement)
- For maximum performance, room humidity should be less than 45%; room temperature should be 75°F (23.9°C) or lower.
- A tray should be stored on every tray slide at all times.

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### ACR10



#### How do air curtains work?

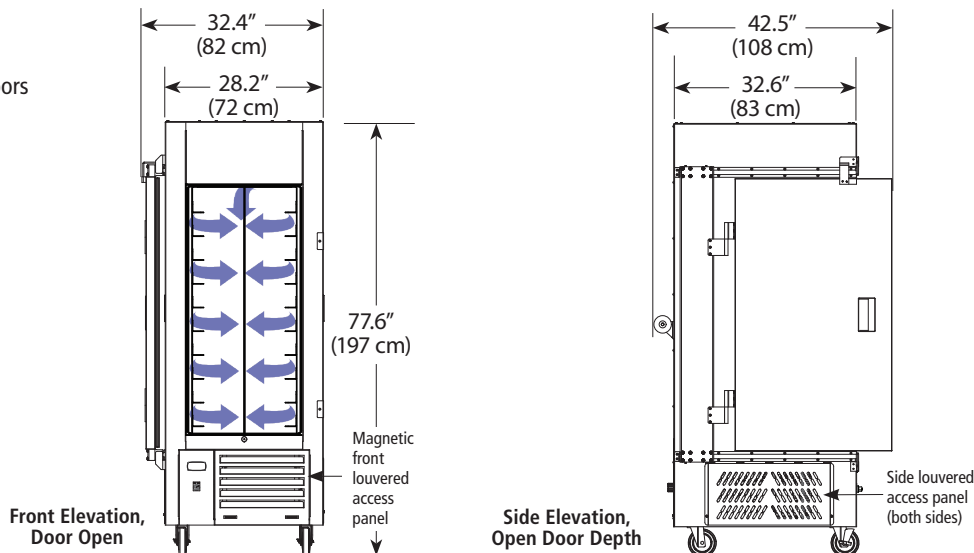
Designed so the door can remain open during tray assembly, air ducts are built into both sides of the interior and top of the cabinet, including strategically placed air-flow perforations that create the actual "air curtain."

Multi-directional air flow across the cabinet opening keeps hot air out, and cold air in, ensuring safe product during service hours.



Bluetooth capable adjustable controller with digital display.

### ACR10 w-sliding doors



### ACR10 Air Curtain Refrigerator Technical Specifications

Model Number	Capacity	Electrical	Refrigeration	Width	Depth	Height	Shipping Weight
<b>ACR10</b> Standard & Glass Door Series	<b>10</b> 18" x 26" pans (46 cm x 66 cm)	<b>Volts:</b> 120 <b>Hertz:</b> 60 <b>Phase:</b> Single <b>Wattage:</b> 1725 <b>Total Amps:</b> 15.4	<b>Refrig:</b> R404A <b>Cond. unit:</b> ½ hp	28.8" (73 cm)	38.4" (98 cm)	77.6" (197 cm)	510 lbs (231 kg)
<b>ACR10</b> Sliding Door	<b>20</b> 18" x 13" pans (46 cm x 33 cm)			32.4" (82 cm)	38.4" (98 cm) When open, increases depth by 4.6" (12 cm)	77.6" (197 cm)	546 lbs (248 kg)

**DOE Compliance statement:** These air curtain refrigerator models conform to the Energy Conservation Program mandate enacted by the Department of Energy. The design and intended use category for these models is defined by DOE final ruling (78FR at 64200-300) within the regulation requirements of 10 CFR 429.



#### FOR SERVICE AND WARRANTY INFORMATION

**ACR10 Air Curtains:**  
1 YEAR, Parts and Labor  
**Compressor:**  
5 YEARS, Parts

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