Atosa MGF24FGR

Atosa Commercial Undercounter Freezer 4.8 cu. ft.

Model: MGF24FGR
Brand: Atosa

1. Important Safety Information

Read all instructions thoroughly before operating this appliance to prevent injury or damage. Keep this manual for future reference.

- **Electrical Safety:** Ensure the freezer is connected to a properly grounded 115V/60Hz/1-ph electrical outlet with a NEMA 5-15P plug. Do not use extension cords or adapter plugs.
- **Ventilation:** Maintain adequate clearance around the unit for proper airflow and heat dissipation. Blocked vents can lead to overheating and reduced efficiency.
- **Flammable Refrigerant:** This unit uses R290 Hydrocarbon refrigerant. Handle with care and ensure proper ventilation during servicing. Do not puncture the refrigerant circuit.
- **Heavy Appliance:** The unit weighs approximately 137 pounds. Use appropriate lifting techniques and assistance during unpacking and installation to prevent injury.
- **Cleaning:** Disconnect power before cleaning or performing any maintenance.

2. Product Overview

The Atosa Undercounter Freezer (Model MGF24FGR) is a commercial-grade, one-section reach-in unit designed for efficient frozen storage. It features a durable stainless steel construction and precise temperature control.

Image 2.1: Front view of the Atosa Commercial Undercounter Freezer. This image shows the compact design and stainless steel finish of the unit, suitable for undercounter placement.

Key Features:

- **Capacity:** 4.8 cu. ft.
- **Construction:** Stainless steel interior and exterior, galvanized steel back.
- **Refrigeration System:** Rear-mounted, self-contained, with R290 Hydrocarbon refrigerant.
- **Temperature Control:** Digital, maintaining -8°F to 0°F.
- **Shelving:** Two adjustable shelves for flexible storage.
- **Defrost:** Automatic evaporation and electric defrost.
- **Mobility:** Equipped with 2-inch casters.

3. Unpacking and Installation

3.1 Unpacking

1. Carefully remove all packaging materials, including tape and protective film.
2. Inspect the freezer for any shipping damage. Report any damage to the carrier immediately.
3. Remove any internal packing materials and accessories.

3.2 Placement

- Place the freezer on a strong, level surface capable of supporting its weight (approximately 137 lbs when empty, more when loaded).
- Ensure adequate clearance for ventilation: at least 4 inches from walls and other appliances on all sides (rear, top, and sides).
- Avoid direct sunlight, heat sources, or areas with high humidity.
- The 2-inch casters allow for easy repositioning; ensure they are locked once the unit is in its final location.

3.3 Electrical Connection

- Connect the freezer to a dedicated 115V/60Hz/1-ph grounded electrical outlet.
- The unit draws 2.4 amps and is equipped with a NEMA 5-15P plug.
- Do not use multi-outlet adapters or extension cords.

4. Setup

4.1 Initial Power-Up

1. After positioning and connecting to power, allow the unit to stand for at least 2 hours before turning it on. This allows the refrigerant to settle.
2. Plug in the freezer. The digital display should illuminate.
3. Allow the freezer to run empty for 24 hours to reach its set temperature before loading with products.

4.2 Installing and Adjusting Shelves

- The freezer comes with two adjustable shelves.
- Locate the shelf clips on the interior side walls. Insert the clips at the desired height.
- Place the shelves onto the clips, ensuring they are level and securely seated.
- Adjust shelf positions as needed to accommodate different product sizes.

5. Operating Instructions

5.1 Digital Temperature Control

- The freezer is equipped with a digital temperature controller, typically located on the front panel.
- The default temperature range is -8°F to 0°F.
- Refer to the specific controller's manual (if provided separately) for detailed instructions on setting and

adjusting the temperature. Generally, there are 'SET' and arrow buttons to modify the desired temperature.

- Avoid frequent door openings to maintain consistent internal temperatures and energy efficiency.

5.2 Automatic Evaporation and Electric Defrost

- This freezer features an automatic evaporation system for condensate water, eliminating the need for manual draining.
- Electric defrost cycles are automatically initiated by the controller to prevent ice buildup on the evaporator coil. During a defrost cycle, the internal temperature may temporarily rise slightly, which is normal.

6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your freezer. Always disconnect power before cleaning or servicing.

6.1 Interior Cleaning

- Clean the interior regularly with a mild soap and warm water solution.
- Rinse thoroughly with clean water and dry with a soft cloth.
- Do not use abrasive cleaners, steel wool, or harsh chemicals, as these can damage the stainless steel finish.

6.2 Exterior Cleaning

- Wipe down the stainless steel exterior with a soft cloth and a non-abrasive stainless steel cleaner.
- For galvanized steel back, a damp cloth is sufficient.

6.3 Condenser Coil Cleaning

- The condenser coil, located at the rear of the unit, should be cleaned every 30 days or more frequently in dusty environments.
- Disconnect power.
- Use a stiff brush or vacuum cleaner with a brush attachment to remove dust and debris from the condenser fins.
- A dirty condenser coil reduces cooling efficiency and increases energy consumption.

6.4 Door Gasket Maintenance

- Inspect door gaskets regularly for cracks or tears.
- Clean gaskets with mild soap and water to ensure a tight seal. A poor seal can lead to temperature fluctuations and increased energy use.

7. Troubleshooting

Before contacting service, review these common issues and solutions.

Problem	Possible Cause	Solution
Freezer not cooling	No power; thermostat set too high; dirty condenser coil; door left open.	Check power supply; adjust thermostat; clean condenser coil; ensure door is closed properly.
Excessive noise	Unit not level; loose components; fan obstruction.	Level the unit; check for loose parts; ensure fan blades are clear.
Door not sealing properly	Dirty or damaged gasket; unit not level.	Clean or replace gasket; level the unit.
Water on floor	Drain pan overflowing; clogged drain line.	Check and clear drain line; ensure drain pan is correctly positioned.

8. Specifications

Feature	Detail
Model	MGF24FGR
Capacity	4.8 cu. ft.
Dimensions (W x D x H)	23-13/16" x 25" x 32-1/2"
Item Weight	137 pounds
Temperature Range	-8°F to 0°F
Refrigerant	R290 Hydrocarbon
Compressor	1/5 HP
Electrical	115V/60Hz/1-ph, 2.4 Amps
Plug Type	NEMA 5-15P
Shelves	2, adjustable
Material	Stainless Steel (interior/exterior), Galvanized Steel (back)
Mobility	2" Casters

9. Warranty and Support

For specific warranty details, please refer to the warranty card included with your purchase or contact your authorized Atosa dealer. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

For technical support, parts, or service inquiries, please contact your product supplier or an authorized Atosa service center. Ensure you have your model number (MGF24FGR) and serial number available when contacting support.