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› [Scotsman CU50PA-1 Commercial Undercounter Gourmet Cube Ice Maker Instruction Manual](#)

Scotsman CU50PA-1

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Model: CU50PA-1

INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your Scotsman CU50PA-1 Commercial Undercounter Gourmet Cube Ice Maker. Please read this manual thoroughly before installation and use, and retain it for future reference.

The Scotsman CU50PA-1 is a compact and efficient undercounter ice maker designed to produce up to 64 lbs of gourmet ice cubes per 24 hours, with a storage capacity of 26 lbs. Its features include a reversible door, 1-inch adjustable legs, and a built-in pump drain for versatile installation.



Figure 1: Front view of the Scotsman CU50PA-1 Ice Maker. This image displays the sleek stainless steel exterior and integrated handle of the undercounter unit.

IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, or injury. This appliance is intended for commercial use and should be installed and serviced by qualified personnel.

- Ensure proper grounding.
- Do not operate with a damaged power cord or plug.
- Keep ventilation openings clear of obstructions.
- Do not store explosive substances near the appliance.
- Disconnect power before performing any maintenance or cleaning.

SETUP AND INSTALLATION

Unpacking

1. Remove all packaging materials, including tape and protective films.
2. Inspect the unit for any shipping damage. Report any damage immediately to the carrier and dealer.
3. Ensure all accessories, such as the ice scoop, are present.

Location Requirements

- The unit requires a stable, level surface capable of supporting its weight (112 lbs).
- Allow adequate clearance for ventilation. Refer to the manufacturer's full installation guide for specific clearances.
- The unit's dimensions are 22"D x 14.88"W x 34.38"H. Ensure sufficient space for installation.



Figure 2: Dimensions of the Scotsman CU50PA-1 Ice Maker. This image provides a visual representation of the unit's height, width, and depth, crucial for proper placement.

Electrical and Water Connections

- **Electrical:** The unit operates on 115V/60Hz/1-ph with a 5.0 amp draw. It includes a power cord with a NEMA 5-15P plug. Connect to a dedicated, grounded circuit.
- **Water Supply:** Connect to a potable water supply. An inline water filter is recommended to ensure optimal ice quality and reduce mineral buildup.
- **Drainage:** The unit features a built-in pump drain, simplifying drainage installation. Ensure the drain hose is properly routed to an open drain.



Figure 3: Rear view of the Scotsman CU50PA-1 Ice Maker, showing water and drain connections. This image illustrates the setup of the water inlet and drain hoses at the back of the unit.

For detailed plumbing and electrical diagrams, consult the complete installation manual provided by Scotsman.

OPERATING INSTRUCTIONS

Initial Startup

1. After installation, ensure all connections are secure and water supply is turned on.
2. Plug the unit into the grounded electrical outlet.
3. Press the power button on the control panel to turn on the ice maker.
4. The unit will begin its ice-making cycle. The first few batches of ice may be smaller or irregular; discard these.

Ice Production

The CU50PA-1 produces clear, gourmet cube ice. Production capacity is up to 64 lbs per 24 hours under optimal conditions (70°F air / 50°F water) and 44 lbs under higher temperatures (90°F air / 70°F water). The internal bin can store

up to 26 lbs of ice.



Figure 4: Interior view of the Scotsman CU50PA-1 Ice Maker, showing the control panel and ice bin. This image highlights the user interface and the storage area for gourmet ice.



Figure 5: Close-up of the Scotsman CU50PA-1 control panel. This image details the buttons and indicators for power, ice making, cleaning, and other functions.



Figure 6: Example of gourmet ice cubes produced by the Scotsman CU50PA-1, alongside an ice scoop. This image showcases the clear, cylindrical shape of the ice.

Door Reversal

The door is reversible to accommodate various kitchen layouts. Refer to the full manufacturer's manual for detailed instructions on how to reverse the door swing.

MAINTENANCE AND CLEANING

Regular maintenance is crucial for the longevity and efficient operation of your ice maker. Always disconnect power before cleaning.

Exterior Cleaning

- Wipe the exterior surfaces with a soft cloth and mild soap. Do not use abrasive cleaners or pads.
- Clean the air filter (if applicable, typically located behind the front grille) regularly to ensure proper airflow.

Interior Cleaning and Sanitization

The internal components, including the ice bin, water reservoir, and ice-making system, require periodic cleaning and sanitization to prevent mineral buildup and microbial growth. The frequency depends on water quality and usage.

1. Empty the ice bin.
2. Initiate the cleaning cycle (refer to the control panel instructions or full manual).
3. Use a Scotsman-approved ice machine cleaner and sanitizer solution. Follow the product's instructions carefully.
4. Manually clean the ice bin and accessible internal surfaces with a soft cloth and the approved cleaning solution.
5. Rinse thoroughly with clean water.



Figure 7: Illustration of a component being removed for cleaning. This image suggests that certain parts of the ice maker are designed for user-level maintenance.

Important: For detailed instructions on cleaning specific internal components, including the evaporator and water system, consult the comprehensive cleaning and maintenance guide provided by Scotsman. Professional cleaning may be required for thorough internal sanitization.

Water Filter Replacement

If an inline water filter is installed, replace it according to the filter manufacturer's recommendations, typically every 6 months, or when ice production decreases significantly.

TROUBLESHOOTING GUIDE

Before contacting service, review the following common issues and solutions:

Problem	Possible Cause	Solution
No ice production	No power; water supply off; clogged water filter; high ambient temperature.	Check power connection and circuit breaker; ensure water supply valve is open; replace water filter; ensure unit is in a suitable environment.
Low ice production	Clogged water filter; dirty condenser; high ambient or water temperature; restricted airflow.	Replace water filter; clean condenser coils; ensure proper ventilation and operating temperatures.
Ice is watery or soft	High water temperature; mineral buildup on evaporator; unit not level.	Ensure water supply is cool; perform a cleaning cycle to remove mineral buildup; level the unit.
Unusual noise	Loose components; unit not level; normal operational sounds.	Check for loose parts; ensure unit is level; some operational sounds (e.g., pump whirring) are normal. If noise is excessive or new, contact service.

Problem	Possible Cause	Solution
Water leaks	Loose water connections; clogged drain line; damaged components.	Check all water inlet and drain connections for tightness; clear any obstructions in the drain line; contact service if damage is suspected.

If troubleshooting steps do not resolve the issue, contact a qualified service technician.

SPECIFICATIONS

Feature	Detail
Model Number	CU50PA-1
Brand	Scotsman
Product Dimensions (D x W x H)	22" x 14.88" x 34.38"
Weight	112 Pounds
Ice Production Capacity (24 hrs)	Up to 64 lbs (optimal), 44 lbs (higher temps)
Ice Storage Capacity	26 Pounds
Electrical Requirements	115V/60Hz/1-ph, 5.0 Amp Draw
Wattage	14.4 kWh
Ice Type	Gourmet Cube
Drain Type	Built-in Pump Drain




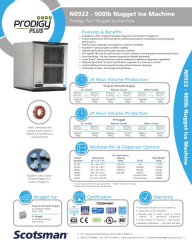


WARRANTY AND SUPPORT

For specific warranty details, please refer to the warranty documentation included with your product or visit the official Scotsman website. Warranty terms typically cover defects in materials and workmanship for a specified period from the date of purchase.

For technical support, service inquiries, or to locate an authorized service provider, please contact Scotsman customer service directly. Contact information can usually be found on the manufacturer's website or in the product packaging. Extended protection plans may be available from third-party providers, offering additional coverage beyond the manufacturer's warranty. Details on such plans can be found where the product was purchased.



Related Documents - CU50PA-1

	<p>Scotsman C0530 Prodigy Plus® 500lb Modular Cube Ice Machine - Technical Specifications and Features</p> <p>Detailed information on the Scotsman C0530 Prodigy Plus® modular cube ice machine, including features, production volumes, bin options, specifications, and operating requirements. Ideal for commercial food service.</p>
	<p>Scotsman R290 Undercounter Cube Ice Machines Service Bulletin & Parts List</p> <p>Official service bulletin from Scotsman detailing new R290 refrigerant for undercounter cube ice machines (CU0415MAX-1, CU0715MAX-1, CU0920MAX-1) with a comprehensive parts list and pricing.</p>
	<p>Scotsman N0422 Prodigy Plus 400lb Nugget Ice Machine - Technical Specifications and Features</p> <p>Detailed information on the Scotsman N0422 Prodigy Plus 400lb Nugget Ice Machine, including features, production volumes, specifications, bin options, and operating requirements. Learn about Original Chewable and H2 Nugget ice types.</p>
	<p>Scotsman N0922 Prodigy Plus 900lb Nugget Ice Machine - Technical Specifications and Features</p> <p>Detailed specifications, features, and performance data for the Scotsman N0922 Prodigy Plus 900lb Nugget Ice Machine, offering chewable and hard nugget ice options for commercial use.</p>
	<p>Scotsman CU1526/CU2026 Prodigy Undercounter Ice Machine - Specifications and Features</p> <p>Detailed information on the Scotsman CU1526 and CU2026 Prodigy series self-contained undercounter ice machines, including features, production capacity, specifications, dimensions, operating requirements, and warranty.</p>
	<p>Scotsman N0922 - 900lb Prodigy Plus Nugget Ice Machine Specifications & Features</p> <p>Detailed specifications, features, production volumes, and operating requirements for the Scotsman N0922 Prodigy Plus 900lb Nugget Ice Machine. Learn about Original Chewable and H2 Nugget ice options.</p>