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GGM Gastro TKSJ1400ND

GGM Gastro TKSJ1400ND Stainless Steel Freezer ECO - GN 2/1 - 1400 Liter - User Manual

Model: TKSJ1400ND

1. INTRODUCTION

Thank you for choosing the GGM Gastro TKSJ1400ND Stainless Steel Freezer ECO. This commercial-grade freezer is designed for efficient and reliable food storage, featuring a generous 1400-liter capacity and two doors. It incorporates an ECO design for reduced energy consumption, a powerful cooling system, and a digital thermostat for precise temperature control. This manual provides essential information for the safe installation, operation, and maintenance of your appliance.



Image 1.1: Front view of the GGM Gastro TKSJ1400ND Stainless Steel Freezer ECO. This image shows the full exterior of the two-door freezer, highlighting its stainless steel finish and commercial design.

2. SAFETY INSTRUCTIONS

Please read all safety instructions carefully before operating the appliance to prevent injury or damage. Keep this manual for future reference.

- **Electrical Safety:** Ensure the power supply matches the specifications (220-240 Volt / 1N / PE / 50 Hz). Do not use extension cords or adapters. Always unplug the appliance before cleaning or maintenance.
- **Placement:** Install the freezer on a stable, level surface. Ensure adequate ventilation around the unit to prevent overheating. Do not place near heat sources or in direct sunlight.
- **Refrigerant:** This appliance uses R290 refrigerant, which is flammable. Handle with care and ensure proper

ventilation during installation and servicing. Only qualified personnel should service the refrigerant system.

- **Cleaning:** Use only mild cleaning agents and avoid abrasive materials. Ensure the appliance is unplugged before cleaning.
- **Children:** Keep children away from the appliance. Do not allow them to play with or inside the freezer.
- **Door Locks:** The integrated door locks are for securing goods. Ensure keys are kept in a safe place.



Image 2.1: Detail of the integrated door lock with keys. This image highlights the security feature of the freezer, showing the lock mechanism and two keys.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all components are present and undamaged:

- 1x GGM Gastro TKSJ1400ND Stainless Steel Freezer ECO Unit
- 6x GN 2/1 Support Grids (Draagrosten)
- 6x Pairs of Stainless Steel Rails (for grids)
- 4x Wheels (pre-installed or for installation)

- 1x User Manual (this document)

4. SETUP AND INSTALLATION

4.1 Unpacking

Carefully remove all packaging materials. Inspect the freezer for any signs of damage incurred during transit. Report any damage to your supplier immediately.

4.2 Placement

- Place the freezer on a firm, level surface capable of supporting its weight (approx. 188.08 kg).
- Ensure there is sufficient space around the unit for proper air circulation, especially at the top and rear where the cooling aggregate is located.
- Avoid placing the freezer in direct sunlight or near heat-emitting appliances (ovens, stoves).
- The appliance is equipped with 4 wheels for easy positioning. Once in place, ensure the wheels are locked to prevent movement.

4.3 Electrical Connection

Connect the freezer to a grounded electrical outlet with the specified voltage: 220 - 240 Volt / 1N / PE / 50 Hz. The power consumption is 780 Watts. Do not overload the circuit.

4.4 Initial Cleaning

Before first use, clean the interior and exterior of the freezer with a mild detergent and a soft cloth. Rinse with clean water and dry thoroughly.

4.5 Installing Shelves and Rails

The freezer comes with 6 pairs of stainless steel rails and 6 GN 2/1 support grids. Insert the rails into the designated slots on the interior walls at your desired height. Then, place the grids onto the installed rails. Each grid can support up to 30 kg.



Image 4.1: Detail of the adjustable shelf and rail system. This image shows how the GN 2/1 grids are supported by the stainless steel rails inside the freezer.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

After connecting to the power supply, locate the main power switch, typically near the digital thermostat. Flip the switch to the 'ON' position to power on the unit. To turn off, flip the switch to 'OFF' and unplug the appliance from the wall outlet.

5.2 Digital Thermostat Control

The freezer is equipped with a digital thermostat (Dixell) for precise temperature management. The temperature range is between -15°C and -22°C.

- **Viewing Current Temperature:** The display typically shows the current internal temperature.
- **Setting Temperature:** Press the 'SET' button. The set temperature will flash. Use the up and down arrow buttons to adjust the desired temperature. Press 'SET' again to confirm.
- **Defrost:** The appliance features an automatic defrost function. Manual defrost can typically be initiated by pressing

and holding a specific button (refer to the thermostat's specific model manual if detailed instructions are needed, usually indicated by a snowflake icon).



Image 5.1: Digital thermostat and control panel. This image shows the Dixell digital display indicating a temperature of -22°C, along with the 'SET' button and power switches.

5.3 Loading the Freezer

Distribute items evenly on the shelves. Avoid blocking the internal air circulation vents to ensure consistent cooling. The freezer is designed for GN 2/1 containers.



Image 5.2: Interior view with one door open and contents. This image illustrates the spacious interior of the freezer, demonstrating how food items can be stored on the adjustable shelves.

6. MAINTENANCE AND CLEANING

Regular maintenance ensures optimal performance and longevity of your freezer.

6.1 Daily Cleaning

- Wipe down the exterior stainless steel surfaces with a soft cloth and a mild, non-abrasive cleaner.
- Clean door handles and seals to prevent dirt buildup.

6.2 Weekly/Monthly Cleaning

- **Interior:** Unplug the freezer. Remove all contents and shelves. Clean the interior with warm water and a mild detergent. Rinse thoroughly and dry completely before returning items and powering on. The interior is made of AISI 4330 stainless steel with rounded corners for easy cleaning.
- **Door Seals:** Inspect door seals for cracks or damage. Clean them with warm, soapy water to maintain their elasticity and ensure a tight seal.
- **Condenser:** The condenser unit (located at the top rear) should be cleaned regularly to ensure efficient operation. Use a soft brush or vacuum cleaner to remove dust and debris. **Always unplug the unit before cleaning the condenser.**

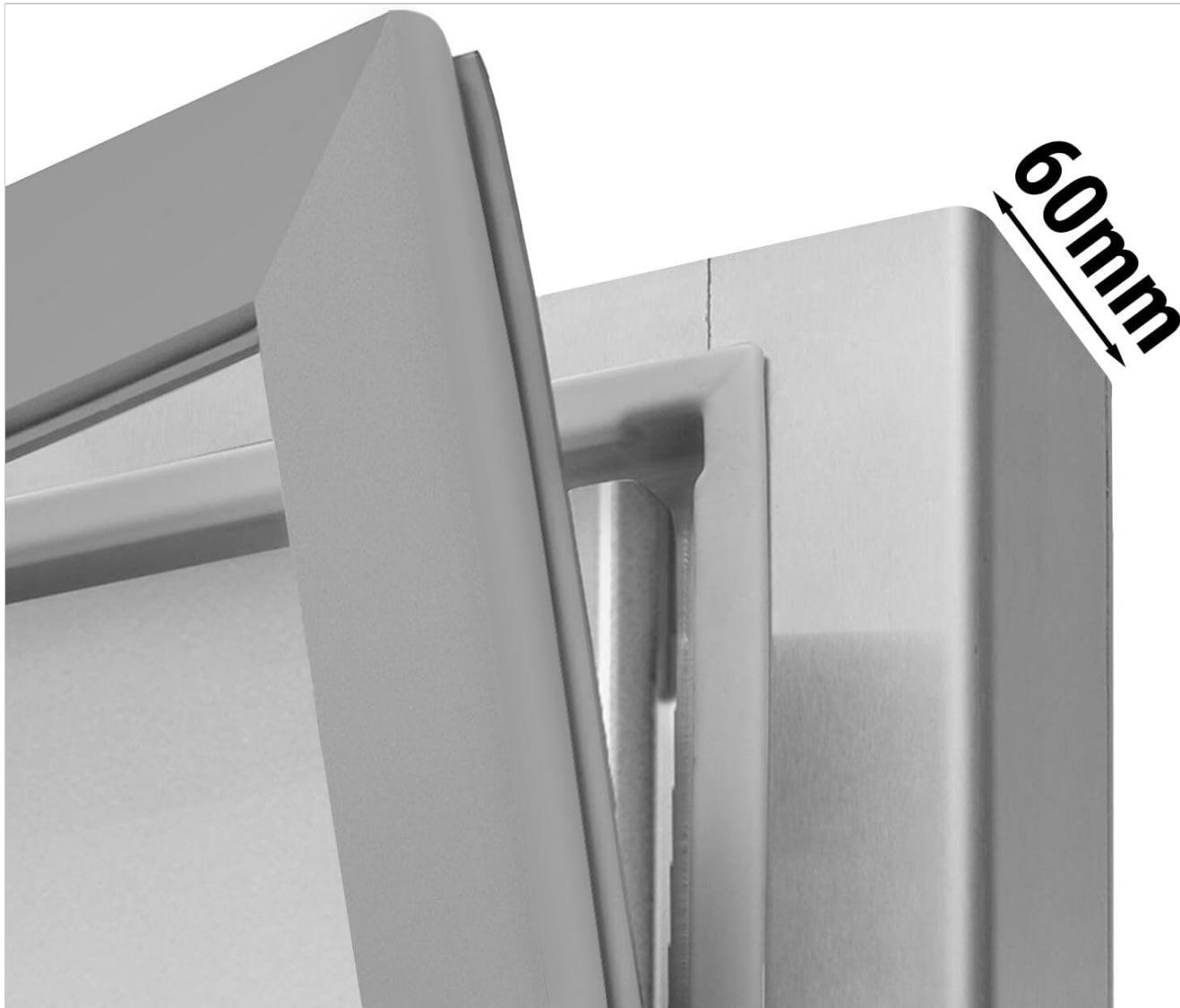


Image 6.1: Detail of the 60mm insulation. This image highlights the thick insulation of the freezer door, contributing to its energy efficiency.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Freezer not cooling	No power; thermostat set too high; poor ventilation; door left open.	Check power connection; adjust thermostat; ensure adequate clearance; close door properly.

Problem	Possible Cause	Solution
Excessive noise	Unit not level; fan obstruction; loose components.	Adjust leveling feet; check for obstructions around fans; contact service if persistent.
Ice buildup	Door seal faulty; frequent door opening; high humidity.	Inspect and clean door seals; minimize door openings; ensure proper ventilation. Automatic defrost should manage most ice.
Water on floor	Drainage system blocked; excessive condensation.	Check and clear the drain tube; ensure proper door sealing.

8. SPECIFICATIONS

Feature	Detail
Model	TKSJ1400ND
Type	Stainless Steel Freezer ECO
Gross Volume	1400 Liters
Insulation Thickness	60 mm
Refrigerant	R290 / 135 g, CFC-free
Temperature Range	-15°C to -22°C
Cooling System	Circulating air, Automatic Defrost
Compartments	1 cooling compartment with 2 doors, GN 2/1 size
Interior Material	Stainless steel AISI 433 0 with rounded corners
Shelf/Grid Size (W x D)	530 mm x 650 mm
Shelf Load Capacity	Up to 30 kg
Power Consumption	780 Watt
Electrical Connection	220 - 240 Volt / 1N / PE / 50 Hz
External Dimensions (W x D x H)	1480 mm x 830 mm x 2000 mm
Internal Dimensions (W x D x H)	1364 mm x 702 mm x 1394 mm
Net Weight	188.08 kg
Exterior Material	High-quality stainless steel AISI 430, thickness 0.70 mm
Certifications	CE-marked, complies with European food standards

9. WARRANTY AND SUPPORT

This GGM Gastro appliance is manufactured to high standards and complies with European hygiene and safety guidelines, including CE marking. For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact your GGM Gastro dealer.

For technical support, spare parts, or service inquiries, please contact GGM Gastro customer service or your authorized service provider. When contacting support, please have your model number (TKSJ1400ND) and serial number ready.

Related Documents - TKSJ1400ND

	<p>Stainless Steel Counter Refrigerators/Freezers - Instruction Manual</p> <p>Comprehensive instruction manual for GGM Gastro Stainless Steel Counter Refrigerators and Freezers, covering installation, operation, maintenance, troubleshooting, safety tips, electrical wiring, and disposal. Includes detailed diagrams and multilingual content merged into English.</p>
	<p>GGM Gastro TKSS600SFN SF60V Exploded View and Parts List</p> <p>Detailed exploded view and parts list for the GGM Gastro TKSS600SFN SF60V refrigeration unit, including part numbers, names, and quantities for assembly and maintenance.</p>
	<p>GGM Gastro Sausage Stuffer 5L Stainless Steel - Manual & Specifications</p> <p>Official product manual for the GGM Gastro Sausage Stuffer 5 Liters Stainless Steel (SKU: WFLHB5). Provides detailed information on setup, operation, safety guidelines, cleaning, maintenance, and troubleshooting.</p>
	<p>GGM Gastro Churro Machine User Manual: Operation and Maintenance</p> <p>Comprehensive user manual for the GGM Gastro Churro Machine, covering its features, step-by-step operation instructions, and essential repair and maintenance guidelines.</p>
	<p>GGM Gastro SMJ64 Electric Salamander User Manual</p> <p>Official user manual for the GGM Gastro SMJ64 electric salamander. Provides detailed instructions, safety precautions, operation, and maintenance guidelines for commercial kitchen use.</p>

[GGM Gastro TKF1821E Technical Manual and Assembly Guide](#)

Comprehensive technical specifications, detailed dimensions, and step-by-step assembly instructions for the GGM Gastro TKF1821E refrigerated cabinet, designed for commercial use.