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Model: K-300ZF 75FT x 3/8 Inch

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your GarveeTech K-300ZF 75FT x 3/8 Inch Electric Drain Cleaner. Please read all instructions carefully before use to ensure proper function and to prevent injury or damage.

The GarveeTech K-300ZF is a powerful and reliable electric drain cleaner designed for clearing blockages in pipes ranging from 1 inch to 4 inches in diameter. It is suitable for various applications, including toilets, sinks, floor drains, and sewer lines.



Image 1.1: GarveeTech K-300ZF Electric Drain Cleaner in operation.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in electric shock, fire, serious injury, or property damage.

- Always wear appropriate personal protective equipment (PPE), including safety glasses, heavy-duty gloves, and non-slip footwear.
- Ensure the work area is well-lit and clear of obstructions. Keep bystanders, especially children, away from the operating machine.
- Do not operate the machine in wet conditions or in the presence of flammable liquids or gases.
- Always plug the machine into a properly grounded outlet. The built-in Ground Fault Circuit Interrupter (GFCI) must be tested before each use.
- Never force the cable. If the cable binds, release the foot switch immediately.
- Do not touch the rotating cable with bare hands. Always use the provided gloves.
- Disconnect power before performing any maintenance or changing cutter heads.
- Inspect the power cord and foot switch for damage before each use. Do not use if damaged.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- GarveeTech K-300ZF Electric Drain Cleaner Machine
- Steel Core Cable (75FT x 3/8 Inch)
- Air-Activated Foot Switch
- Pair of Heavy-Duty Gloves
- Set of Interchangeable Cutter Heads:
 - Arrow Cutter
 - Spade Cutter
 - C-Cutter
 - Boring Bulb Cutter
- Tool Hook



Image 3.1: Included components: drain cleaner machine, gloves, and various cutter heads.

4. PRODUCT FEATURES AND COMPONENTS

Familiarize yourself with the key features and components of your drain cleaner:

- **Motor:** 250W motor with 1700 RPM for effective clog removal.
- **Steel Core Cable:** 75 feet of 3/8 inch steel core cable, resistant to rust, corrosion, and tangling, designed for durability and effective navigation through pipes.
- **Automatic Cable Feed:** Provides automatic forward and backward control of the drain cable.
- **Air-Activated Foot Switch:** Allows for hands-free, precise ON/OFF control of the motor.
- **Built-in GFCI:** Enhances safety by protecting against electrical shock.
- **Heavy-Duty Wheels:** 8-inch shock-absorbing wheels for easy transportation and maneuverability over various surfaces.
- **Reinforced Frame:** Provides stability and durability during operation.
- **Retractable Handle:** For convenient transport and storage.
- **Enclosed Drum:** Keeps the cable contained and reduces mess.
- **Interchangeable Cutter Heads:** A variety of cutters for different types of blockages.

Anti-Twist & Durable High Quality Steel Cable

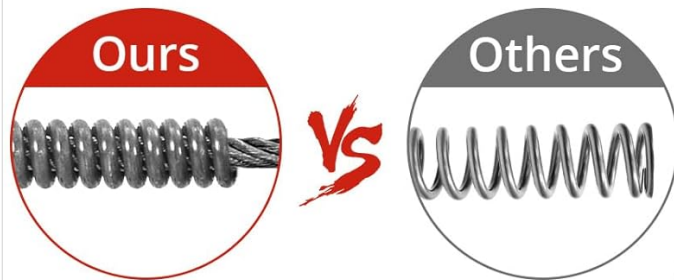


Image 4.1: Labeled components of the GarveeTech K-300ZF Electric Drain Cleaner.



Image 4.2: The anti-twist, durable high-quality steel core cable.



Image 4.3: The air-activated foot switch for easy ON/OFF control.

5. SETUP

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Inspect the machine, cable, and accessories for any signs of damage. Do not use if any part is damaged.
2. **Attach Handle:** Securely attach the retractable handle to the main unit. Ensure all fasteners are tightened.
3. **Select Cutter Head:** Choose the appropriate cutter head for the type of blockage and pipe size.
 - **Arrow Cutter:** For initial penetration and breaking up soft blockages.
 - **Spade Cutter:** For scraping pipe walls and removing grease or sludge.
 - **C-Cutter:** For retrieving foreign objects or cutting through roots.
 - **Boring Bulb Cutter:** For opening up heavily clogged lines.

Attach the selected cutter head firmly to the end of the cable.

4. **Position Machine:** Place the drain cleaner machine on a stable, level surface near the drain opening. Ensure the machine is positioned to allow the cable to feed directly into the drain without sharp bends.

5. **Connect Power:** Plug the machine's power cord into a grounded electrical outlet. Ensure the built-in GFCI is functioning correctly by pressing the "TEST" and "RESET" buttons. The GFCI should trip and reset.



Image 5.1: Interchangeable head designs for various clog types.

6. OPERATING INSTRUCTIONS

1. **Wear PPE:** Always wear safety glasses and the provided heavy-duty gloves before operating the machine.
2. **Feed Cable Manually:** Manually feed the cable into the drain opening until it reaches the blockage. Do not turn on the machine yet.
3. **Engage Automatic Feed:** Once the cable is near the blockage, engage the automatic cable feed mechanism.
4. **Activate Motor:** Step on the air-activated foot switch to start the motor. The cable will begin to rotate and feed into the pipe.
5. **Clear Blockage:** Allow the rotating cable and cutter head to work through the blockage. Apply gentle, consistent pressure. Do not force the cable, as this can cause it to kink or damage the pipe.
6. **Retract Cable:** Once the blockage is cleared, release the foot switch to stop the motor. Engage the reverse function on the automatic feed to retract the cable from the drain. Clean the cable as it is retracted.
7. **Test Drain:** After removing the cable, run water down the drain to ensure the blockage is completely cleared. Repeat the process if necessary.



Image 6.1: The GarveeTech K-300ZF is suitable for various pipe types and locations.



Image 6.2: Applicable pipe configurations for the drain cleaner.

7. MAINTENANCE

- **Cable Cleaning:** After each use, thoroughly clean the cable to remove any debris, grease, or sludge. Use a stiff brush and water.
- **Cable Lubrication:** Apply a rust-inhibiting lubricant to the cable after cleaning to prevent corrosion.
- **Machine Cleaning:** Wipe down the machine's exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

- **Storage:** Store the drain cleaner in a dry, cool place, away from direct sunlight and moisture. Ensure the cable is fully retracted into the drum.
- **Inspection:** Regularly inspect the power cord, foot switch, and cable for wear or damage. Replace any damaged parts immediately.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine does not start	No power; GFCI tripped; Foot switch malfunction	Check power connection; Reset GFCI; Inspect foot switch for damage.
Cable does not rotate	Motor not engaged; Cable feed mechanism disengaged; Cable kinked	Ensure foot switch is pressed; Check cable feed lever; Retract and inspect cable for kinks.
Cable binds in pipe	Severe blockage; Incorrect cutter head; Cable forced	Release foot switch immediately; Try a different cutter head; Slowly work through blockage.
Ineffective clog removal	Wrong cutter head; Insufficient cable length; Blockage too dense	Select appropriate cutter; Ensure cable reaches blockage; Consider professional assistance for severe clogs.

9. SPECIFICATIONS

- **Model:** K-300ZF 75FT x 3/8 Inch
- **Manufacturer:** GarveeTech
- **Cable Length:** 75 feet
- **Cable Diameter:** 3/8 inch
- **Applicable Pipe Diameter:** 1 inch to 4 inches
- **Motor Power:** 250W
- **Motor Speed:** 1700 RPM
- **Item Weight:** Approximately 62.9 pounds
- **Product Dimensions (L x W x H):** 22.83 x 14.57 x 23.23 inches
- **Included Components:** Drain Cleaner Machine, Steel Core Cable, Foot Switch, Gloves, Cutter Heads

10. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact GarveeTech customer service. Refer to your purchase documentation or the GarveeTech official website for contact details.