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## populo PEDC-100P

# POPULO PEDC-100P Electric Drain Cleaner Machine User Manual

Model: PEDC-100P | Brand: POPULO

## 1. INTRODUCTION AND OVERVIEW

The POPULO PEDC-100P Electric Drain Cleaner Machine is designed for clearing blockages in pipes ranging from 1.5 to 3 inches in diameter. This professional-grade tool features an auto-feed sewer snake auger with a 100-foot, 3/8-inch cable, mounted on wheels for portability. It is equipped with a foot switch for convenient operation and includes a set of 8 specialized cutters to address various types of clogs. This manual provides essential information for safe and effective use, setup, operation, maintenance, and troubleshooting of your drain cleaner machine.



Figure 1: POPULO PEDC-100P Electric Drain Cleaner Machine with its main components visible.

## 2. KEY FEATURES

- **Enhanced Safety Design:** Features a semi-open drum for cable monitoring and secure containment, reducing accident risks. Constructed with high-quality steel for improved stability.
- **Powerful Unclogging:** Equipped with a robust 700W motor and a 100FT cable, providing significant power for tackling tough clogs in deep pipes, suitable for various applications including commercial kitchens.
- **User-Friendly & Portable:** Automatic feed control simplifies operation. Durable 8-inch wheels facilitate easy navigation around obstacles and transport to different job sites.
- **Versatile Attachments:** Includes eight specialized heads, such as bulb, C-cutter, and retrieval auger, designed to effectively clear various blockages from tree roots to pipe wall cleaning.

# A STURDIER STRUCTURE AND SAFER DRUM DESIGN

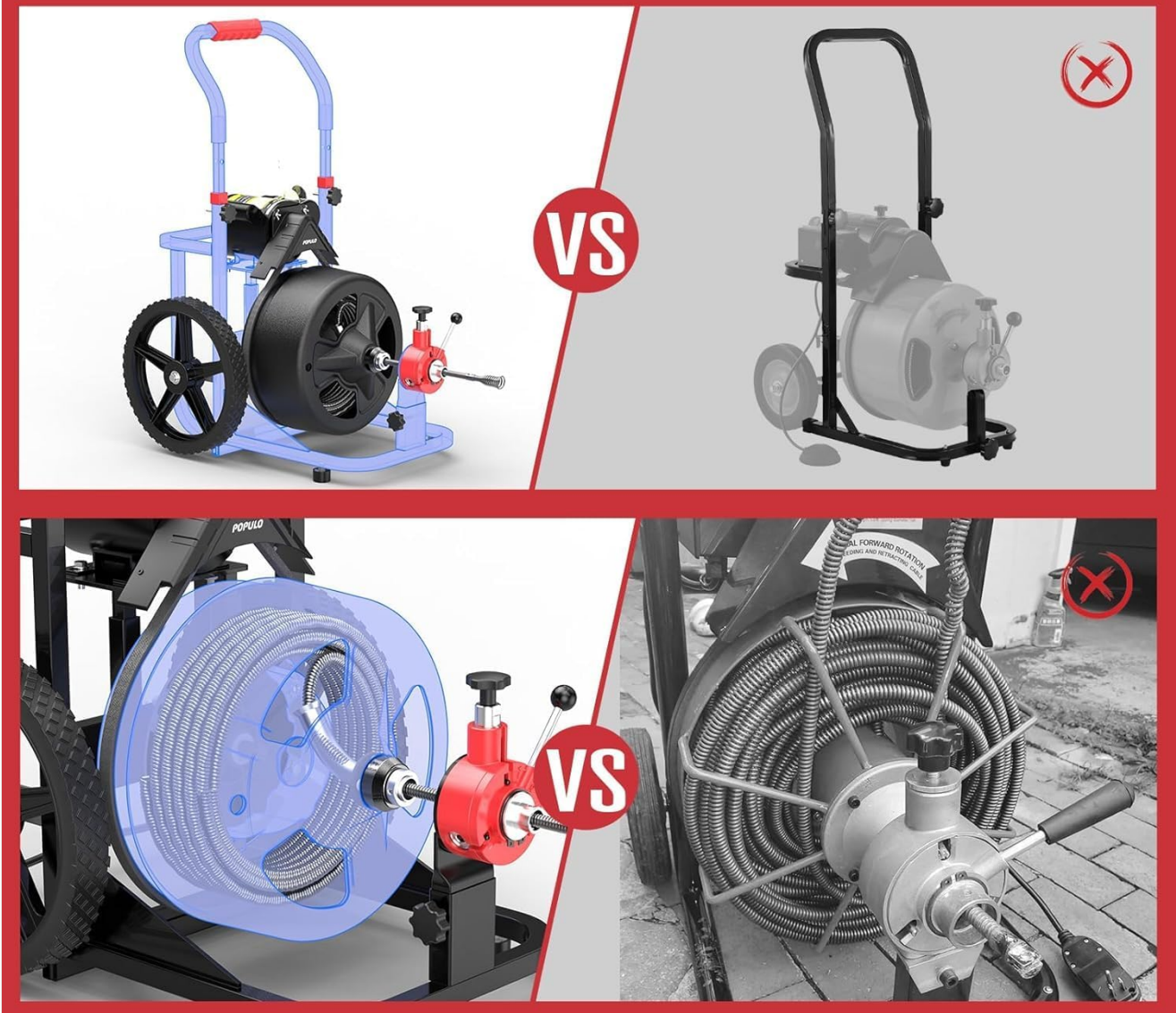


Figure 2: Illustration of the machine's sturdy structure and safe drum design, highlighting the semi-open drum for cable management.

# ADVANCED AUTO-FEED SYSTEM

Boost efficiency, safety



Figure 3: The advanced auto-feed system in action, demonstrating how it boosts efficiency and safety during operation.

### 3. COMPONENTS AND ATTACHMENTS

The POPULO PEDC-100P Drain Cleaner Machine comes with the following components:

- 100FT Drain Snake Cable (3/8 inch diameter)
- Drain Snake Attachment Set (8 specialized heads)
- Protective Gloves
- Foot Switch

The included 8 specialized cutter heads are designed for various blockage types:

- **Boring Bulb Cutter:** For general purpose drain cleaning.
- **Spade Cutter:** For following up after augers and opening up floor drains.

- **Funnel Auger:** For use as a second tool in line, breaks up remains of stoppage left by straight auger.
- **Retrieving Auger:** For use in retrieving lost or broken cable.
- **Spiral Saw Tooth Cutter:** For cleaning any stoppage roots.
- **Arrow Cutter:** For use in cleaning pipes of general material clinging to pipe walls.
- **C-Cutter:** For grease blockages in lines leading from garbage disposal unit or waste pipe.
- **Expanding Finish Cutter:** For final removal of material adhering to walls and certain roots of fibrous nature.



Figure 4: An assortment of the 8 specialized cutter heads included with the drain cleaner machine, each designed for specific types of blockages.

## 4. SETUP INSTRUCTIONS

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Inspect the machine and all attachments for any signs of damage. Ensure all listed components are present.
2. **Assemble Handle:** Attach the handle to the main unit, securing it with the provided fasteners. Ensure it is firmly in place for safe transport and operation.
3. **Connect Foot Switch:** Plug the foot switch into the designated port on the machine. Position the foot switch on a stable, dry surface near your working area.
4. **Select Cutter Head:** Choose the appropriate cutter head for the type of blockage you are addressing. Securely attach it to the end of the drain snake cable.
5. **Position Machine:** Place the machine on a stable, level surface near the drain opening. Ensure there is enough space for the cable to extend and retract without obstruction.

## STEPS FOR USAGE

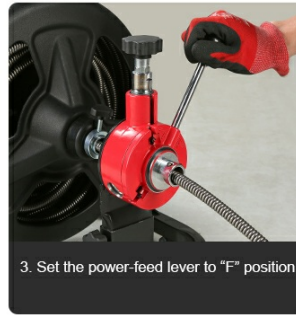


Figure 5: Visual guide illustrating the initial steps for setting up and preparing the drain cleaner machine for use.

## 5. OPERATING INSTRUCTIONS

Always wear appropriate personal protective equipment, including gloves and eye protection, when operating the drain cleaner machine.

1. **Power On:** Plug the machine into a grounded electrical outlet.
2. **Set Motor Rotation:** Set the motor rotation switch to the "FOR" (Forward) position.
3. **Adjust Tension:** Slightly rotate the tension knob in the clockwise direction. Do not overtighten.
4. **Feed Cable:** Set the power-feed lever to the "F" (Forward) position to advance the cable into the drain. Guide the cable manually as it enters the pipe.
5. **Clear Blockage:** When the cable encounters a blockage, allow the machine to work. If the cable becomes tight or kinks, switch the power-feed lever to "Neutral" and then repeat forward and neutral gears to work through the obstruction.
6. **Retract Cable:** Once the blockage is cleared, set the power-feed lever to the "R" (Reverse) position to retract the cable. Press the foot switch to start cable retraction. Guide the cable back into the drum.
7. **Power Off:** Unplug the machine from the electrical outlet after use.

## AUTOMATIC ADVANCING AND RETRACTING



Figure 6: Diagram illustrating the automatic advancing and retracting mechanism, showing forward, stall & grind, and reverse operations.

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Video 1: A detailed guide demonstrating the proper use of the drain cleaning machine, including tips for clearing stubborn blockages and operating the auto-feed system. (Source: GJ Trade)

## 6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your POPULO Drain Cleaner Machine.

1. **Clean After Each Use:** Thoroughly clean the cable and all attachments after each use to remove debris, grease, and other residues.
2. **Lubricate Cable:** Apply a suitable lubricant or cable oil to the drain snake cable and attachments before storage to prevent rust and maintain flexibility.
3. **Inspect Cable:** Regularly inspect the cable for any signs of wear, kinks, or damage. Replace the cable if it shows significant damage.
4. **Store Properly:** Store the machine in a dry, clean environment, away from extreme temperatures and moisture.

## 7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Machine does not power on	No power supply; Faulty foot switch; Motor issue	Check power connection and outlet; Test foot switch; Contact customer support if motor is faulty.
Cable not advancing/retracting	Power-feed lever in wrong position; Cable jammed; Tension knob too loose/tight	Ensure lever is in 'FOR' or 'REV'; Clear any visible jams; Adjust tension knob appropriately.
Cable kinks or twists	Encountered a tough blockage; Cable extended too far without support	Switch to 'Neutral' and work through blockage with short forward/neutral cycles; Do not force the cable.
Ineffective clog removal	Incorrect cutter head used; Blockage too severe	Select a more aggressive cutter head; Consider professional assistance for severe blockages.

## 8. SPECIFICATIONS

Specification	Value
Manufacturer	POPULO
Item Model Number	PEDC-100P
Item Weight	88 pounds
Product Dimensions	19 x 21 x 25 inches
Color	Black
Style	100FT x 3/8INCH
Recommended Pipe Diameter	1.5 to 3 inches

## 9. WARRANTY AND SUPPORT

The POPULO PEDC-100P Electric Drain Cleaner Machine comes with a one-year warranty. For any questions, technical assistance, or warranty claims, please contact customer support.

**Customer Support:** 24-hour customer support is available. Replaceable parts are readily available on Amazon. For direct assistance, please contact the seller, Avant Globe, or refer to the contact information provided with your purchase.