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Zokop BY-70PF

Zokop BY-70PF Commercial Ice Machine User Manual

Model: BY-70PF

Important Safety Instructions

Read all instructions before using this appliance. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply matches the specifications of the ice machine (120V/60Hz).
- Do not operate the machine with a damaged cord or plug.
- Keep ventilation openings clear of obstruction.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- This appliance is intended for commercial use.
- Always unplug the machine before cleaning or maintenance.

Product Overview

The Zokop BY-70PF Commercial Ice Machine is designed for high-volume ice production in commercial settings. It features a stainless steel construction for durability and a transparent cover for easy monitoring. This machine produces clear, hard cube-shaped ice.



Image: Front view of the Zokop BY-70PF Commercial Ice Machine, showing the stainless steel exterior, control panel, and transparent lid.



Image: Side view of the Zokop BY-70PF Commercial Ice Machine with dimensions labeled: 36cm/14.2inch (width), 43cm/16.9inch (depth), and 76cm/30inch (height).

Package Contents:

- 1 x Ice Maker Unit
- 1 x Water Filter
- 1 x Drainage Pipe
- 1 x Ice Shovel
- 1 x Small Accessory Bag
- 1 x User Manual (this document)

Setup and Installation

Proper installation is crucial for the optimal performance and longevity of your ice machine.

Location Requirements:

- Place the ice machine on a flat, stable surface.
- Ensure adequate ventilation around the unit. Maintain at least 5 inches (12.7 cm) of space from walls or other objects.
- Avoid direct sunlight or heat sources.
- Room temperature should be between 50-100°F (10-38°C).
- Ambient humidity should be ≤90%.

Water Connection:

The ice machine requires a continuous water supply and a drainage point.

1. Connect the provided water filter to the water inlet.
2. Connect the water supply line to the filter and the machine's water inlet.
3. Connect the drainage pipe to the machine's drain outlet and route it to a suitable drain. Ensure the drainage pipe has a downward slope for proper water flow.

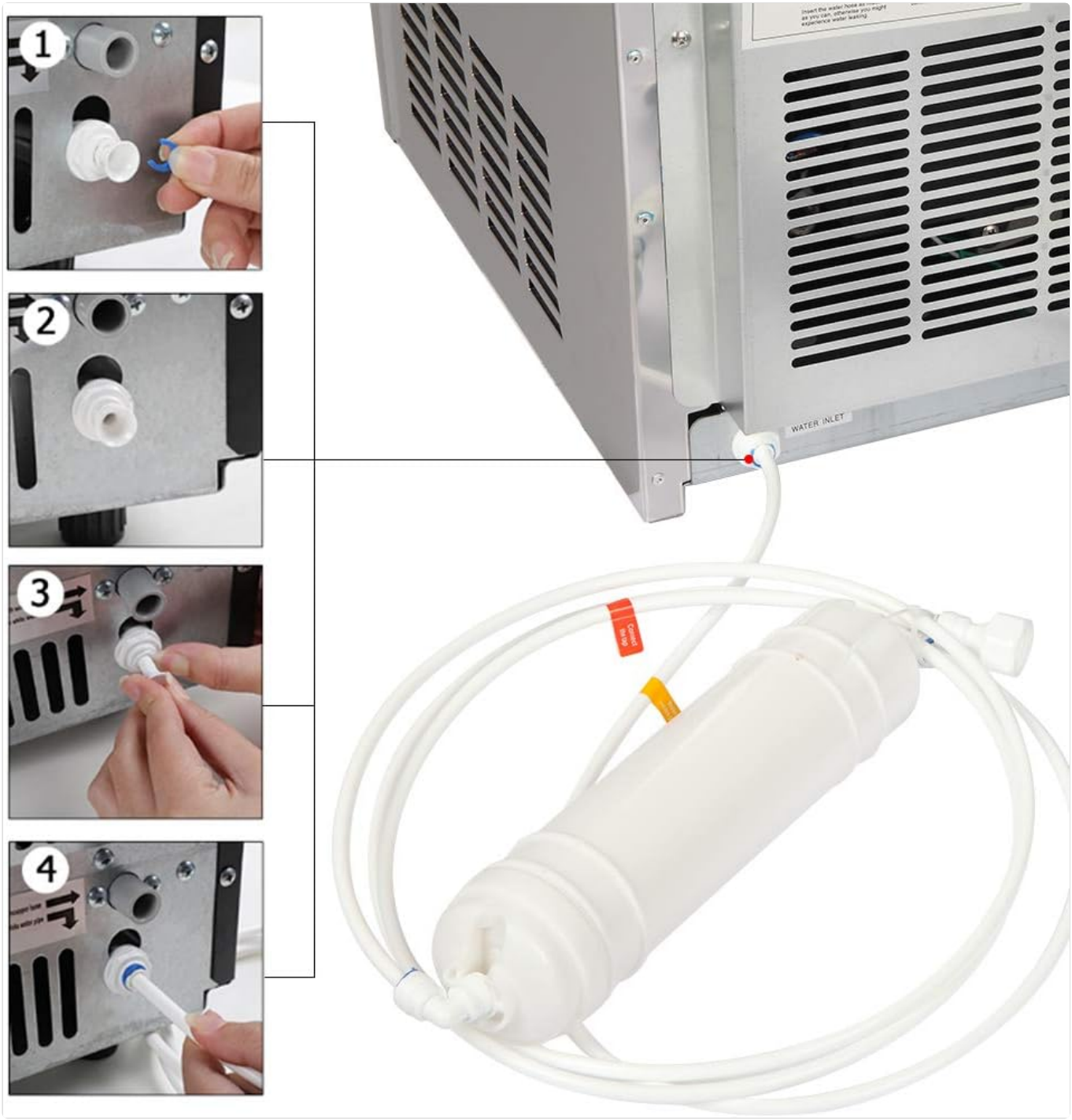


Image: Step-by-step illustration of connecting the water inlet and filter to the back of the ice machine.

Electrical Connection:

Plug the machine into a grounded 120V/60Hz electrical outlet. Do not use extension cords or adapters.

Operating Instructions

First Use:

1. After installation, wait at least 2 hours before plugging in the unit to allow the refrigerant to settle.
2. Clean the interior of the ice bin and water tank before first use (refer to Maintenance section).
3. Plug in the machine.

Ice Production:

The machine features automatic operation. Once powered on and connected to water, it will begin the ice-making cycle.

- **Ice Making Cycle:** Approximately 11-18 minutes per batch.
- **Ice Shape:** Cube, 0.9" x 0.9" x 0.9".
- **Ice Thickness Adjustment:** The thickness of the ice cubes can be adjusted via the control panel. Refer to the control panel diagram for specific buttons (usually '+' and '-' buttons).



Image: Illustration showing the standard ice cube size and how thickness can be adjusted to thin, middle, or thick.

Control Panel Functions:

The control panel allows for various settings and functions, including:

- **Power On/Off:** Initiates or stops ice production.
- **Ice Thickness Adjustment:** Buttons to increase or decrease ice cube thickness.
- **Reservation Function:** Allows scheduling of shutdown and startup times.

- **One-Button Cleaning:** Activates an automatic cleaning cycle.
- **NANO Blue Light:** For illumination and sterilization within the ice bin.

Maintenance and Cleaning

Regular cleaning and maintenance ensure hygienic ice production and extend the lifespan of your machine.

Daily Cleaning:

- Use the ice shovel to remove ice from the storage bin.
- Wipe down the interior of the ice bin with a clean cloth and mild, food-safe detergent. Rinse thoroughly.
- Clean the exterior of the machine with a soft cloth.

Monthly Cleaning:

1. Unplug the machine from the power outlet.
2. Drain any remaining water from the water tank and reservoir.
3. Activate the "One-Button Cleaning" function. Follow the instructions on the display or in the specific manual for this feature.
4. For manual deep cleaning, use a solution of water and white vinegar or a commercial ice machine cleaner to clean the water tank, ice tray, and evaporator. Rinse multiple times with clean water.
5. Clean the water filter. Replace if necessary (typically every 3-6 months depending on water quality).
6. Clean the air filter/condenser fins on the side/back of the machine using a soft brush or vacuum cleaner to ensure proper airflow.

Storage:

If the machine will not be used for an extended period, unplug it, drain all water, clean thoroughly, and leave the lid slightly ajar to prevent odors and mold growth.

Troubleshooting

Problem	Possible Cause	Solution
Machine does not turn on	No power supply; Power cord loose; Circuit breaker tripped	Check power outlet; Ensure cord is securely plugged in; Reset circuit breaker
No ice production	No water supply; Water filter clogged; Low refrigerant; Ambient temperature too high	Check water connection; Replace water filter; Contact qualified technician for refrigerant issues; Ensure proper ventilation and room temperature
Ice cubes are too thin/thick	Ice thickness setting incorrect	Adjust ice thickness using the control panel buttons

Problem	Possible Cause	Solution
Machine is noisy	Machine not level; Fan obstruction; Compressor issue	Adjust leveling feet; Clear obstructions from fan; Contact qualified technician
Water leakage	Drain pipe clogged or improperly connected; Water inlet connection loose	Check and clear drain pipe; Tighten water inlet connection

Specifications

Feature	Specification
Brand	Zokop
Model Name	BY-70PF (Commercial Ice Maker)
Material	Stainless Steel
Power Supply	120V / 60Hz
Ice Making Power	495W
Ice Making Capacity	Up to 110 lbs (50 kg) / 24H
Ice Storage Capacity	24 lbs
Ice Making Cycle	11-18 minutes
Ice Shape	Cube (0.9" x 0.9" x 0.9")
Refrigerant	R134a
Foaming Agent	C5H10
Climate Type	SN/N/ST/T
Unit Dimensions (L x W x H)	14" x 17" x 30" (36 x 43 x 76 cm)
Weight	63.5 lbs (28.8 kg)
Room Temperature Range	50-100°F (10-38°C)
Ambient Humidity	≤90%

Warranty and Support

For warranty information and technical support, please refer to the warranty card included with your product or contact

Zokop customer service.
Please have your model number (BY-70PF) and purchase date available when contacting support.

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