

## Backnets Round Digital Display Shower Valve Single Function

# Backnets Round Digital Display Shower Valve Single Function User Manual

Model: B0FJRTCHFQ



## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Backnets Round Digital Display Shower Valve. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product. This shower valve features a digital temperature display and is designed for concealed installation within a wall.

## 2. SAFETY INFORMATION

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Always adhere to local plumbing codes and regulations during installation. If you are unsure about any part of the installation process, consult a qualified plumber. Ensure the main water supply is turned off before beginning any work. Wear appropriate personal protective equipment, such as safety glasses and gloves.

- Turn off the main water supply before installation or maintenance.
- Do not overtighten connections, as this may damage the valve or pipes.
- Ensure all connections are watertight to prevent leaks.
- Protect the product from freezing temperatures.

## 3. PACKAGE CONTENTS

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The package includes:

- 1x Backnets Round Digital Display Shower Valve (Single Function, Matte Black)

## 4. PRODUCT OVERVIEW AND FEATURES

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The Backnets Round Digital Display Shower Valve is designed to provide precise temperature control and a modern aesthetic for your bathroom. Key features include:

- **Standard Connectors:** Equipped with standard 3/4-inch pipe inlet and 1/2-inch pipe outlet, suitable for most plumbing systems. Features US standard NPT threads for easy integration.
- **LED Temperature Display:** An integrated LED screen displays the water temperature. This display is powered by hydroelectric energy, requiring no batteries.
- **Precise Control:** The rotary knob allows for accurate temperature adjustment.
- **Durable Construction:** Made from high-quality brass with a multi-layer electroplating stainless steel panel, ensuring longevity and resistance to corrosion.
- **Concealed Installation:** Designed for in-wall installation, providing a clean and minimalist look.



Figure 1: Front view of the Backnets Round Digital Display Shower Valve, showing the matte black finish and digital temperature display.

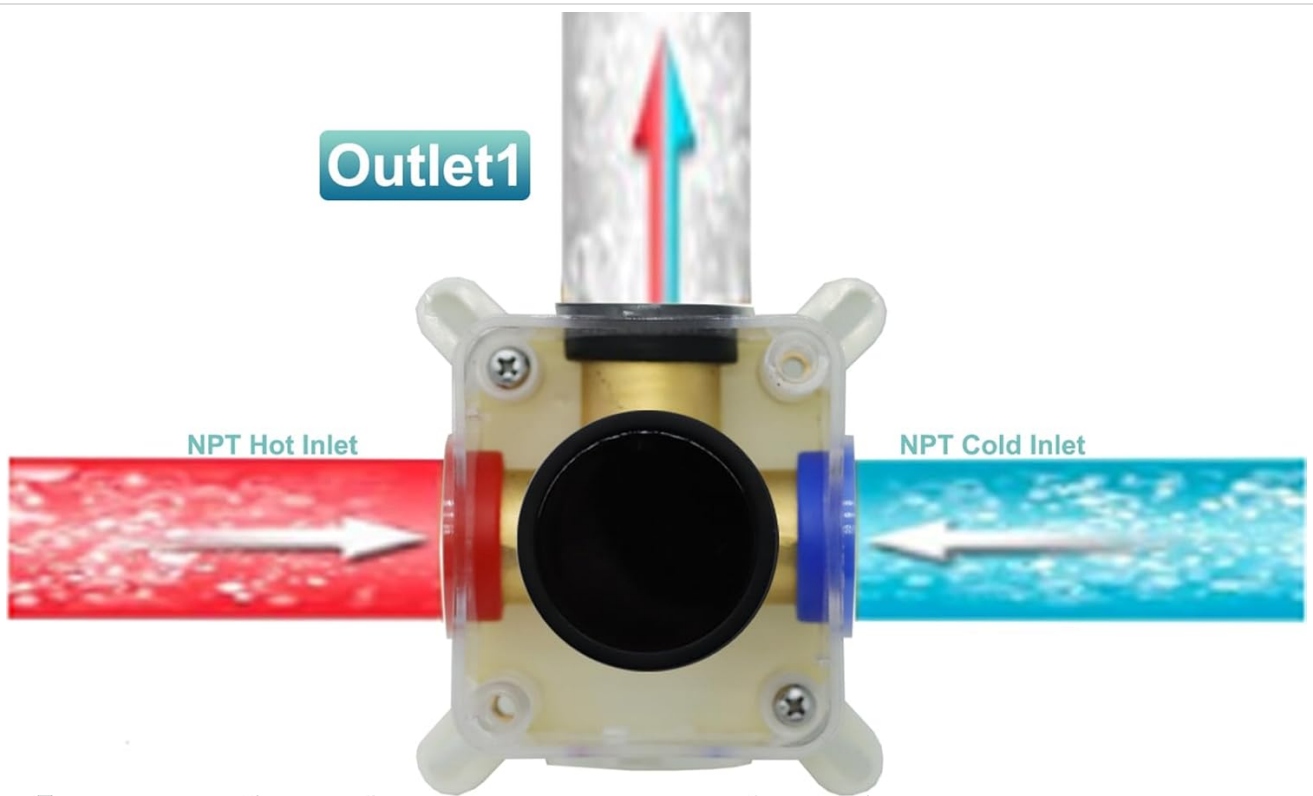


Figure 2: Illustration of the digital display indicating water temperature for both hot and cold water, powered by hydroelectric energy.

## 5. SETUP AND INSTALLATION

The shower valve is designed for concealed installation. Follow these steps carefully:

1. **Prepare the Installation Area:** Ensure the wall cavity is appropriately sized for the valve body. The valve is designed for concealed installation.
2. **Connect Water Inlets:** Connect the 3/4-inch hot water inlet (marked 'Hot') and cold water inlet (marked 'Cold') to your plumbing system. Ensure secure, watertight connections using US standard NPT threads.
3. **Connect Water Outlet:** Connect the 1/2-inch water outlet to your shower head or other single function shower accessory.
4. **Secure the Valve:** Mount the valve securely within the wall cavity according to the manufacturer's guidelines.
5. **Pressure Test:** After installation, it is crucial to perform a pressure test. Block all outlets of the shower valve and adjust the water pressure to 10 kg (1 MPa) for testing. Carefully check all water pipe connections and the interior of the shower valve for any signs of leakage.



## **Important pressure test:**

***After installing the shower valve,  
the shower valve must be pressure tested.***

- 1. Please block all the outlets of the shower valve and adjust the water pressure to 10kg (1MPA) for testing.***
- 2. Please check the water pipe connection and the inside of the shower valve for leakage.***

Figure 3: Illustration detailing the important pressure test procedure after shower valve installation.

# SHOWER VALVE IS THE HEART OF SHOWER SYSTEM



OURS



Integrated forging, solid brass construction, heavy duty, surface brightness, high density, against leaks and anti-deformation. Equipped with high quality case protection.



OTHERS



Sand casting, rusts easily, low quality brass, light weight, and the inferior case doesn't protect the inner brass.

Figure 4: Comparison highlighting the integrated forging and solid brass construction of the Backnets shower valve for durability and leak prevention.

## 6. OPERATING INSTRUCTIONS

The Backnets Digital Display Shower Valve offers straightforward operation for controlling water flow and temperature.

1. **Turn On/Off:** Rotate the main knob to the 'ON' position to start water flow. Rotate to 'OFF' to stop.
2. **Adjust Temperature:** Rotate the knob to adjust the water temperature. The digital display will show the current temperature in real-time. The display is powered by the water flow itself, so no batteries are needed.
3. **Temperature Indicator:** The temperature indicator light around the knob will typically display blue for temperatures  $\leq 100^{\circ}\text{F}$  and orange for temperatures  $> 100^{\circ}\text{F}$ , providing a visual cue for water warmth.

### Important Note:

This single-function valve is designed to connect to only one shower product (e.g., a single shower head) at a time. It is not intended for simultaneous operation of multiple shower outlets.

# Shower Mixer Valve Control



## Matchable:



Rain shower head



Handheld shower



Shower body jet

Water Flow Control

Temperature Control

## Note:

only one product  
can be connected  
individually at a time

Tip:  $\leq 100^{\circ}\text{F}$



The temperature  
indicator light is blue.

$> 100^{\circ}\text{F}$



The temperature  
indicator light is orange.

Figure 5: Diagram illustrating the shower mixer valve control, showing ON/OFF, hot/cold indicators, and the temperature display with color-coded temperature ranges.



Figure 6: An example of the shower valve installed in a bathroom, demonstrating its integrated appearance.

## 7. MAINTENANCE

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Regular cleaning and maintenance will help preserve the appearance and functionality of your shower valve.

- **Cleaning:** Clean the surface of the valve regularly with a soft, damp cloth. Avoid abrasive cleaners, harsh chemicals, or scouring pads, as these can damage the matte black finish and electroplating.
- **Mineral Deposits:** In areas with hard water, mineral deposits may accumulate. Use a mild descaling solution specifically designed for bathroom fixtures, applied with a soft cloth, and rinse thoroughly.
- **Inspection:** Periodically check for any signs of leaks around the connections. Address any leaks promptly to prevent water damage.

## 8. TROUBLESHOOTING

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If you encounter issues with your shower valve, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No digital display	Insufficient water flow to power the hydroelectric generator.	Ensure adequate water pressure and flow. Check for blockages in the water lines.
Inaccurate temperature reading	Sensor malfunction or extreme water temperature fluctuations.	Verify water supply temperatures. If the issue persists, contact customer support.
Water leakage from connections	Loose connections or damaged seals.	Turn off water supply. Carefully tighten connections. Inspect and replace seals if necessary.
Difficulty adjusting temperature	Mineral buildup or internal mechanism issue.	Clean the valve exterior. If internal, contact customer support.

## 9. SPECIFICATIONS

Attribute	Specification
Model	B0FJRTCHFQ
Brand	Backnets
Type	Round Digital Display Shower Valve
Function	Single Function
Color	Matte Black
Material	Brass
Inlet Pipe Size	3/4 inch
Outlet Pipe Size	1/2 inch
Product Dimensions (L x W x H)	8 x 6 x 6 inches
Item Weight	2.9 pounds
Batteries Required	No (Hydroelectric power for display)



Figure 7: Detailed dimensions of the Backnets Round Digital Display Shower Valve.

## 10. WARRANTY AND SUPPORT

Backnets is committed to serving all customers with their bathing needs. For any questions, concerns, or support regarding your Backnets Round Digital Display Shower Valve, please refer to your purchase documentation or contact Backnets customer service through the retailer where the product was purchased.



