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› [Briwellna Instant Hot Water Faucet User Manual \(Model BWF-BP21VR30\)](#)

## Briwellna BWF-BP21VR30

# Briwellna Instant Hot Water Faucet User Manual

Model: BWF-BP21VR30

Brand: Briwellna

## 1. INTRODUCTION

Thank you for choosing the Briwellna Instant Hot Water Faucet, Model BWF-BP21VR30. This innovative faucet provides instant hot water without the need for a traditional hot water tank, saving space and energy. It features a digital display for precise temperature control and is designed for both hot and cold water use.

Briwellna, founded in 1994, is a pioneer in the electric water heating faucet industry, committed to developing products with stable performance, fast heating, and enhanced safety features.



Figure 1: Briwellna Instant Hot Water Faucet (Model BWF-BP21VR30) with included flexible hose.

## 2. IMPORTANT SAFETY INSTRUCTIONS

**Please read all safety instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or serious injury.**

- **Electrical Safety:** Ensure the product is connected to a 220V/UK electrical outlet with appropriate amperage ( $\geq 20A$ ) and a 16A air switch.
- **Water Flow First:** Always activate water flow through the faucet **before** turning on the power supply. This is critical during initial use and after any period of disuse to prevent dry heating, which can damage the unit.
- **Temperature Protection:** The faucet features an integrated double protection system that automatically cuts power during circuit anomalies or dry heating. It also includes overheating protection.
- **Leakage Protection:** Equipped with leakage protection and water-electricity separation technology for enhanced safety.
- **Winterization:** Disconnect the power supply and drain the water from the faucet when ambient temperatures are expected to drop below 0 °C (32 °F) to prevent damage from freezing.
- **Water Pressure:** Ensure your home's water pressure is within the required range of 0.04-0.5 MPa (0.4-5 Bar). If water is supplied from a roof tank or well, an additional water pressure increasing pump may be necessary.
- **Waterproof Rating:** The unit has an IPX4 waterproof rating, meaning it is protected against splashing water from any direction. However, it should not be submerged.
- **Installation:** Installation should be performed by a qualified professional if you are unsure. Ensure all connections are secure and leak-free.

### 3. PACKAGE CONTENTS

Please check the package for the following items:

- Briwellna Instant Hot Water Faucet Unit
- Flexible Water Connection Hose
- Installation Accessories (gaskets, mounting hardware)
- User Manual

### 4. PRODUCT SPECIFICATIONS



Figure 2: Product dimensions of the Briwellna Instant Hot Water Faucet.

Feature	Specification
Model Number	BWF-BP21VR30
Manufacturer	Sodn Feiyu
Dimensions (L x W x H)	20 x 6 x 22 cm
Weight	1.29 Kilograms
Color	Black
Material	Acrylonitrile Butadiene Styrene (ABS)
Power Type	Electric Cable
Voltage	220-240V~
Frequency	50-60Hz
Rated Power	3.2 KW
Maximum Pressure	0.5 MPa (5 Bar)
Working Water Pressure	0.04-0.5 MPa (0.4-5 Bar)
Start Flow	600-850 ml/min
Amperage Requirement	≥20A
Recommended Air Switch	16A
Power Cord Specification	1.5mm <sup>2</sup> / Length 1.4m
Water Connection Size	1/2 inch (or 3/8 inch with adapter)
Waterproof Level	IPX4
Maximum Water Temperature	55 Degrees Celsius
Special Features	Overheating protection, Digital Display

Technical data as following will help you make right choice.

- Rated Voltage/Frequency: 220-240V~/50-60Hz
- Rated Power: 3200W

Figure 3: Rated Voltage/Frequency and Rated Power.

- Start Flow: 600-850ml/min(The heating system can only work under proper water flow volume. We suggest to check water flow by yourself before purchasing.)

Figure 4: Start Flow requirement for heating system operation.



Figure 5: Working Water Pressure specifications.



Figure 6: Amperage and Air Switch requirements.



Figure 7: Power Cord and Water Connection specifications.

## 5. INSTALLATION GUIDE

The Briwellna Instant Hot Water Faucet is designed for easy installation and can be mounted either above or under the sink. While a multilingual user manual is included, professional installation is recommended if you are not familiar with plumbing and electrical work.

### 5.1 Pre-Installation Checks

- Verify that your electrical system meets the voltage (220V), amperage ( $\geq 20A$ ), and air switch (16A) requirements.
- Confirm your water pressure is within 0.04-0.5 MPa (0.4-5 Bar).
- Ensure the water connector size is 1/2 inch. An adapter may be needed for 3/8 inch connections.
- Check the diameter of the plug (36mm) and the water tube size (inner diameter 19mm, outside diameter 22mm) to ensure compatibility with your sink's punch hole.



Figure 8: Installation options (above or under sink) and dimension checks for water tube and plug.

## 5.2 Installation Steps

- 1. Prepare the Installation Area:** Turn off the main water supply and electrical power to the installation area. Clear the space under and around the sink.
- 2. Mount the Faucet:** Insert the faucet into the designated hole on your sink or countertop. Secure it from underneath using the provided mounting hardware and gaskets.
- 3. Connect Water Lines:** Connect the flexible water hose to the faucet's inlet and then to your cold water supply line. Ensure all connections are tight to prevent leaks.
- 4. Connect Electrical Power:** Route the power cord to a suitable 220V electrical outlet. If the plug is too large for the cabinet opening, it can be unscrewed to pass the wires through, then reassembled.

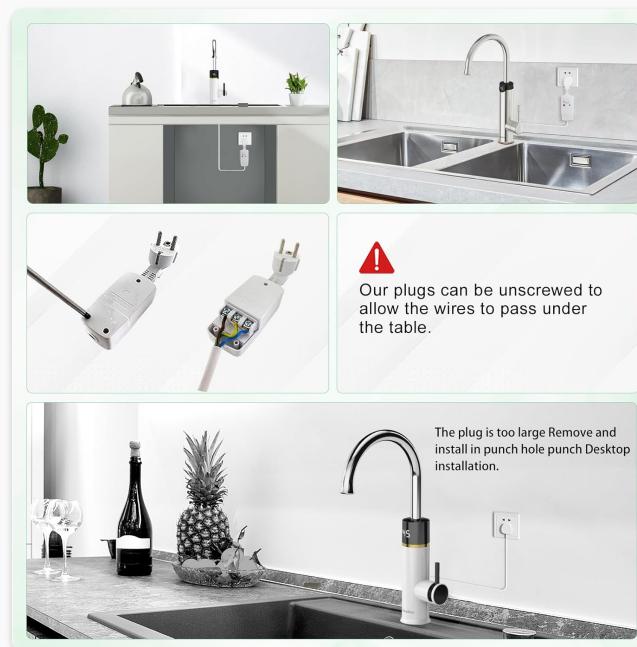


Figure 9: Illustration of how the plug can be unscrewed to allow wires to pass under the counter.

- 5. Test for Leaks:** Slowly turn on the main water supply and check for any leaks around the faucet and connections.
- 6. Initial Water Flow:** Before plugging in the faucet, open the faucet handle to allow water to flow through the

unit for a few seconds. This purges air and ensures the heating element is submerged.

7. **Connect to Power:** Once water is flowing steadily, plug the faucet into the electrical outlet.

## 6. OPERATION

The Briwellna Instant Hot Water Faucet offers simple operation with a single lever for both water flow and temperature control.

### 6.1 Hot and Cold Water Control

- The faucet provides both hot and cold water.
- Move the lever to control the water flow and temperature.
- To increase hot water temperature, decrease the water flow by moving the lever towards the 'Hot' indicator. The smaller the water flow, the higher the temperature, generally ranging from 25°C to 50°C.
- The digital display on the faucet will show the current water temperature.



Figure 10: Diagram illustrating the dual hot and cold water control with the lever.



Figure 11: Close-up of the smart digital display showing the current water temperature.

## 6.2 Temperature Variation

The actual hot water output temperature is influenced by the inlet water temperature and the flow rate. Refer to the following maps for estimated temperatures based on geographical location and season:

Summer Water Temperature Map

Figure 12: Estimated hot water temperatures during summer across Europe.



Figure 13: Estimated hot water temperatures during winter across Europe. Note: If inlet water temperature is below 5°C, outlet temperature may not reach 40°C with a flow of 1.5L/min.

## 7. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and efficient operation of your Briwellna Instant Hot Water Faucet.

- Cleaning:** The faucet features an eco-friendly ABS plastic housing that is easy to clean. Use a soft cloth and mild, non-abrasive cleaner. Avoid harsh chemicals or abrasive pads that could damage the finish.
- Winterization:** As mentioned in the safety instructions, if the faucet is in an unheated area where temperatures may drop below 0 °C, disconnect the power and drain the water from the unit to prevent freezing and damage.
- Regular Checks:** Periodically inspect the water connections for any signs of leaks or corrosion.



Figure 14: The faucet's eco-friendly ABS plastic housing is durable and easy to clean.

## 8. TROUBLESHOOTING

If you encounter issues with your Briwellna Instant Hot Water Faucet, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No hot water or insufficient heating	No power; water flow too low or too high; inlet water temperature too low; dry heating protection activated.	Check power connection and circuit breaker. Ensure water flow is within 600-850ml/min. Adjust flow rate to increase temperature. If inlet water is very cold (below 5°C), maximum temperature may be limited. Ensure water is flowing before power is applied.
Digital display not working	No power; internal fault.	Check power connection. If power is on and display is still off, contact customer support.
Water leakage	Loose connections; damaged gaskets.	Tighten all water connections. Inspect and replace any damaged gaskets. Turn off water supply before attempting repairs.
Low water pressure	Insufficient main water pressure; clogged aerator.	Check household water pressure. Clean or replace the faucet aerator. If water is from a non-city source, consider a pressure pump.
Flickering digital display or inconsistent heating	Unstable power supply; internal sensor issue.	Ensure stable power supply. If the issue persists, contact customer support.

## 9. WARRANTY INFORMATION

The Briwellna Instant Hot Water Faucet (Model BWF-BP21VR30) comes with a **1-Year Limited Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.

For detailed warranty terms and conditions, please contact Briwellna customer support.

## 10. CUSTOMER SUPPORT

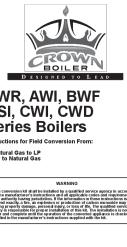
For technical assistance, troubleshooting, or warranty inquiries, please contact the Briwellna technical team. We offer 24/7 support to ensure your satisfaction.

- **Email:** [successtservice2@hotmail.com](mailto:successtservice2@hotmail.com)
- **Phone:** 34910602659

For more information about Briwellna products and our commitment to quality and safety, you can refer to the official EU EPREL database entry for this product:

[View EPREL Product Information \(ID: 2436483\)](#)

## Related Documents - BWF-BP21VR30

	<p><a href="#">BWF-200 WiFi &amp; Bluetooth Spa Controller: Installation and Setup Guide</a></p> <p>Learn how to install and connect the BWF-200 WiFi &amp; Bluetooth module for your spa using the SmarTouch Digital App. Includes setup, master reset, and important usage notes.</p>
	<p><a href="#">TASCAM DR-40X Linear-PCM-Recorder Referenzhandbuch</a></p> <p>Umfassendes Referenzhandbuch für den TASCAM DR-40X, einen portablen Linear-PCM-Audio-Recorder. Enthält detaillierte Informationen zu Funktionen, Bedienung und technischen Spezifikationen.</p>
	<p><a href="#">Big White Freestyle Performance Ski Coach Job Posting</a></p> <p>Job posting for a Performance Ski Coach at Big White Freestyle, a non-profit ski and snowboard club located at Big White Ski Resort, Kelowna, BC. Details include role responsibilities, required qualifications, and perks.</p>
	<p><a href="#">TASCAM DR-60DMKII: Manuale di Riferimento Registratore PCM Lineare</a></p> <p>Esplora il manuale di riferimento per il TASCAM DR-60DMKII, un registratore PCM lineare avanzato per audio di alta qualità con fotocamere DSLR. Scopri funzionalità, connessioni e guide operative.</p>
	<p><a href="#">TASCAM DR-22WL Handheld Recorder with Wi-Fi - Features and Specifications</a></p> <p>Explore the TASCAM DR-22WL, a versatile handheld recorder with Wi-Fi functionality, X-Y stereo microphones, and an intuitive interface. Learn about its remote operation, high-quality audio recording, music creation features, and specifications.</p>
	<p><a href="#">Crown Boiler AWR, AWI, BWF, BSI, CWI, CWD Series Boilers Field Conversion Instructions (Natural Gas to LP / LP to Natural Gas)</a></p> <p>Detailed instructions for converting Crown Boiler AWR, AWI, BWF, BSI, CWI, and CWD series boilers from natural gas to LP gas and vice versa. Includes conversion procedures, parts lists, and pressure specifications.</p>