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Thetford 31121

Thetford Aqua-Magic Bravura RV Toilet Instruction Manual

Brand: Thetford

Model: Aqua-Magic Bravura (31121)

1. INTRODUCTION AND OVERVIEW

The Thetford Aqua-Magic Bravura RV Toilet is designed for permanent installation in recreational vehicles, offering a blend of contemporary style and practical functionality. Constructed from sturdy plastic, this lightweight toilet is available in both high and low profile options, as well as parchment and white colors to complement various RV interiors.

It features an innovative dual-function flush pedal system and a water-saving hand sprayer, enhancing convenience and water efficiency during use.



Figure 1: The Aqua-Magic Bravura RV Toilet in parchment, shown with its accompanying hand sprayer.

2. KEY FEATURES

The Aqua-Magic Bravura is engineered with several features to optimize your RV experience:

- **Versatility:** A stylish, comfortable, and lightweight toilet suitable for all RV types.
- **Functionality:** Utilizes a single-pedal system. Pressing the pedal halfway adds water to the bowl, while pressing it all the way flushes, providing 100% bowl coverage.
- **Sanitary Design:** Features an easy-off seat and cover pod for quick and simple cleaning or servicing.
- **Convenience:** The front shroud is removable, allowing easy access to mounting bolts and the pedal mechanism for installation and maintenance.
- **Water-Saving:** Includes a hand sprayer, ideal for a hand rinse wash down of the bowl, helping to conserve water.



Figure 2: Visual representation of the Aqua-Magic Bravura's key features, including its compact profile and functional design.

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Video 1: An official product video showcasing the design and features of the Thetford Bravura Toilet, including its various profiles and color options.

3. SETUP AND INSTALLATION

Installation of the Aqua-Magic Bravura RV Toilet is designed to be straightforward for permanent

setups. It is a floor-mount installation.

Installation Steps:

1. **Preparation:** Ensure the RV's water supply is turned off and the black tank is empty. Remove any existing toilet and clean the mounting area thoroughly.
2. **Positioning:** Carefully position the new Aqua-Magic Bravura toilet over the floor flange, aligning the mounting holes.
3. **Securing:** The front shroud of the toilet can be removed to access the mounting bolts. Secure the toilet to the floor flange using appropriate hardware (not included, typically reused from old toilet or purchased separately). Ensure a tight, leak-free seal.
4. **Water Connection:** Connect the RV's water supply line to the toilet's water inlet. The water hookup for this model is located near the top of the unit. Use a flexible hose and appropriate fittings to ensure a secure connection.
5. **Testing:** Once installed, slowly turn on the RV's water supply and check for any leaks around the base and water connection points. Flush the toilet several times to ensure proper operation and seal.
6. **Final Assembly:** Reattach the front shroud and ensure the seat and cover pod are securely in place.



Figure 3: The Aqua-Magic Bravura with its lid open, illustrating the bowl and the foot pedal for flushing.

4. OPERATING INSTRUCTIONS

The Aqua-Magic Bravura features a user-friendly pedal flush system:

- **Adding Water to Bowl:** To add water to the bowl, press the foot pedal halfway down. This will allow water to fill the bowl without flushing.

- **Flushing:** To flush the toilet, press the foot pedal all the way down. This will open the valve and flush the contents, providing a full-bowl coverage flush.
- **Using the Hand Sprayer:** The included hand sprayer can be used for a hand rinse wash down of the bowl. Note that the spray nozzle typically works when the foot pedal is pressed down, allowing water to flow to the sprayer.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Aqua-Magic Bravura RV Toilet:

- **Cleaning:** The easy-off seat and cover pod can be removed for thorough cleaning. Use RV-safe toilet bowl cleaners that are specifically designed for plastic and rubber seals to prevent damage. Avoid harsh chemicals or abrasive cleaners.
- **Seal Lubrication:** Periodically lubricate the blade seal with a silicone-based lubricant to maintain a good seal and prevent odors.
- **Winterization:** Before storing your RV for winter, ensure the toilet is completely drained and winterized according to your RV's manual and Thetford's recommendations to prevent freezing damage.
- **Inspection:** Regularly inspect the pedal mechanism and water connections for any signs of wear or leaks. The removable front shroud provides easy access for inspection and minor adjustments.

6. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Toilet is leaking at the base.	Loose mounting bolts, damaged floor seal, or improper installation.	Check and tighten mounting bolts. Inspect and replace the floor seal if damaged. Ensure proper installation as per Section 3.
Flush mechanism does not shut off completely.	Debris caught in the blade seal, worn blade seal, or pedal mechanism issue.	Inspect the blade seal for debris and clean. Lubricate the seal. If the issue persists, the blade seal or pedal mechanism may need replacement. Ensure the pedal is fully released.
Hand sprayer has low pressure or doesn't work.	Insufficient water pressure from RV pump, or pedal not pressed during use.	Ensure RV water pump is on and has adequate pressure. Confirm the foot pedal is pressed down while using the sprayer to allow water flow.
Pedal feels loose or disconnected.	Pedal lever out of socket or internal mechanism issue.	Remove the front shroud and inspect the pedal mechanism. Re-seat any disconnected levers. If parts are broken, replacement may be necessary.

7. SPECIFICATIONS

Attribute	Detail
Brand	Thetford
Model Name	Aqua-Magic Bravura RV Toilet
Item Model Number	31121
Color	Parchment (also available in White)
Material	Plastic
Item Weight	16.5 Pounds
Product Dimensions (Low Profile)	<p>Height (H): 14 in (35.6 cm) - from ground to highest point (lid closed)</p> <p>Length (L): 20-3/16 in (51.3 cm) - from front of the bowl to the back of the toilet</p> <p>Width (W): 16-9/16 in (42.2 cm) - bowl size from side to side</p>
Installation Type	Floor Mount
Flush System	Dual-function pedal flush with pulse flush
Included Accessories	Water-saving hand sprayer

8. WARRANTY AND SUPPORT

For detailed warranty information and terms, please refer to the official Warranty document provided by Thetford. A PDF version of the warranty is available for download:

[Download Warranty
\(PDF\)](#)

For further assistance, technical support, or to inquire about replacement parts, please contact Thetford customer service directly. Contact information can typically be found on the Thetford website or within the product packaging.