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A.A FWT-RV

A.A 30 Gallon RV Fresh/Gray Water Tank Instruction Manual

Model: FWT-RV

1. Product Overview

This A.A 30 Gallon RV Fresh/Gray Water Tank is designed for recreational vehicles, horse trailers, and marine applications. Constructed from durable, BPA-free polyethylene, it features a one-piece seamless design for reliability and resistance to stains, corrosion, and rust. This tank is suitable for both fresh water and gray water storage.

Key features include a 30-gallon capacity, a non-pressurized design requiring proper venting, one 1.25-inch water fill inlet, and three 3/8-inch NPT connections.



Image 1.1: The A.A 30 Gallon RV Fresh/Gray Water Tank, showing its rectangular shape and fitting locations.

2. Specifications

Feature	Detail
Brand	A.A
Model Number	FWT-RV
Material	Polyethylene (PE)
Capacity	30 Gallons
Product Dimensions (L x W x H)	34 inches x 12 inches x 18 inches
Water Fill Inlet	(1) 1.25 inch
NPT Connections	(3) 3/8 inch
Item Weight	13.62 pounds

Note: The tank can be rotated to change its effective height or width depending on installation requirements. All measurements are approximate within +/- 0.5 inches.

3. Setup and Installation

3.1 Preparation of the Water Tank

1. **Sanitize:** Prior to initial use, especially for fresh water applications, sanitize the tank thoroughly.
2. **Clean:** Inspect the interior of the tank for any debris from the manufacturing process. Wipe with a damp cloth to remove surface dust or scuffs.

3.2 Installation Tips

- **Venting:** This is a non-pressurized water tank. It **must** be properly vented to allow air to enter and exit during filling and draining. Failure to vent can cause damage to the tank.
- **Fittings:** Additional fittings and water lines will be required for complete installation. Ensure all connections are secure but **do not over-tighten** fittings on top of the water tank, as this can cause damage.
- **Pressurized Water Sources:** Do not connect a pressurized garden hose directly to the tank without ensuring adequate venting.
- **Professional Installation:** It is recommended to have a certified technician install all parts to prevent tank damage and ensure proper functionality.

3.3 Mounting and Bracing

- **Level Surface:** Place the tank on a level surface.
- **Secure Bracing:** Brace the tank securely to prevent shifting or movement during transit.
- **Avoid Straps:** Do not hang the tank by straps, as this can damage the water tank material.
- **No Top Weight:** Do not place heavy objects or excessive weight on top of the water tank.



Image 3.1: The A.A 30 Gallon RV Water Tank, illustrating its robust construction and fitting locations for installation planning.

4. Operation

This tank can be used for storing either fresh water or gray water. Ensure all connections are properly sealed and the tank is adequately vented during both filling and draining operations. For fresh water use, regular sanitization is crucial to maintain water quality.



Image 4.1: Top view of the A.A 30 Gallon RV Water Tank, highlighting the main fill inlet and NPT connections.

5. Maintenance

- **Regular Cleaning:** Periodically clean and sanitize the tank, especially if used for fresh water. Follow standard RV water system sanitization procedures.
- **Inspect Fittings:** Regularly check all fittings and connections for any signs of leaks or damage. Tighten as necessary, but avoid over-tightening.
- **Winterization:** If operating in freezing temperatures, ensure the tank is completely drained to prevent ice expansion and potential damage.

6. Troubleshooting

- **Leaks:** If leaks occur, first check the tightness of all fittings. Ensure that no fittings have been over-tightened, which can cause cracks.
- **Slow Filling/Draining:** Verify that the tank's vent system is clear and unobstructed. A blocked vent will impede water flow.
- **Water Contamination (Fresh Water):** If water quality degrades, re-sanitize the tank and entire water system. Ensure proper cleaning during initial setup.
- **Tank Deformation:** Ensure the tank is properly supported and braced. Avoid placing heavy loads directly on the tank or hanging it by straps, as this can lead to warping or structural damage.

7. Warranty Information

The manufacturer's warranty for this product is subject to specific conditions:

- **Modifications:** Cutting or modifying the tank in any way will void the warranty.

- **Intended Use:** Using this tank for any purpose other than fresh or gray water storage will void the warranty.

For specific warranty claims or details, please refer to the original purchase documentation or contact the manufacturer directly.

8. Support

For complex installation scenarios, persistent issues, or if you are unsure about any aspect of the tank's setup or operation, it is recommended to consult with a certified RV or marine technician. They can provide expert guidance and ensure safe and correct integration of the water tank into your system.



Image 8.1: A visual comparison of various A.A RV Water Tank sizes, including the 30 Gallon model, demonstrating the range of available capacities.

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