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Norwesco 42321

Norwesco 5 Gallon Square Total Drain Tank User Manual

Model: 42321

1. PRODUCT OVERVIEW

The Norwesco 5 Gallon Square Total Drain Tank is engineered for bulk dispensing applications requiring complete drainage. Its unique design ensures efficient liquid removal, making it an ideal choice for various industrial and agricultural uses. The tank features a single-piece polyethylene construction for durability and a fitting installed at the bottom for optimal drainage.



Figure 1: Front view of the Norwesco 5 Gallon Square Total Drain Tank, showcasing its square shape and top lid.

Key Features:

- **5-gallon capacity:** Suitable for small to medium volume storage and dispensing.
- **Large 8" cap for easy filling:** Provides a wide opening for convenient and spill-free liquid input.
- **1-1/4" Outlet Drain:** Ensures efficient and complete drainage of contents.
- **Rectangular shape:** Allows for versatile placement in various spaces, optimizing storage.
- **One piece polyethylene construction:** Offers superior durability, chemical resistance, and a seamless design to prevent leaks.

2. SETUP AND INSTALLATION

Proper setup is crucial for the optimal performance and longevity of your Norwesco Total Drain Tank. Follow these guidelines for installation:

1. **Choose a Stable Location:** Select a flat, level, and stable surface capable of supporting the tank's weight when full (approximately 41.7 lbs for 5 gallons of water plus the tank's 6 lbs). The rectangular shape allows for placement against walls or in corners to save space.
2. **Ensure Proper Drainage Clearance:** Position the tank so that the 1-1/4" outlet drain at the bottom has sufficient clearance for connecting hoses or pipes and for unimpeded drainage.
3. **Connect Outlet Fitting:** Securely attach the necessary plumbing (hoses, valves, etc.) to the 1-1/4" outlet drain. Ensure all connections are tight to prevent leaks.
4. **Access for Filling:** Ensure the 8" top cap is easily accessible for filling the tank.



Figure 2: Example of the tank installed in a practical setting, demonstrating its compact footprint and bottom drainage connection.

3. OPERATING INSTRUCTIONS

Operating the Norwesco Total Drain Tank is straightforward. Always ensure safety precautions are followed when handling liquids.

3.1. Filling the Tank

1. **Open the Cap:** Unscrew and remove the large 8" cap located on the top of the tank.
2. **Pour Contents:** Carefully pour the desired liquid into the tank. The wide opening minimizes spills. Do not exceed the 5-gallon capacity.
3. **Secure the Cap:** Once filling is complete, securely screw the 8" cap back onto the tank to prevent contamination and spillage.

3.2. Draining the Tank

1. **Prepare for Drainage:** Ensure a suitable container or system is in place to receive the drained liquid from the 1-1/4" outlet.
2. **Open Outlet Valve:** If a valve is installed on the outlet, open it to initiate drainage. The tank's design facilitates complete emptying.
3. **Monitor Drainage:** Allow the tank to drain completely. The total drain feature ensures minimal residue.
4. **Close Outlet Valve:** Once drainage is complete, close the outlet valve securely.

4. MAINTENANCE

Regular maintenance will extend the life of your Norwesco Total Drain Tank and ensure its continued performance.

- **Cleaning:** Periodically clean the interior and exterior of the tank, especially when changing contents. Use mild soap and water. Avoid abrasive cleaners or solvents that could damage the polyethylene material.
- **Inspection:** Regularly inspect the tank for any signs of wear, cracks, or damage, particularly around the cap and outlet fitting. Although made from durable one-piece construction, external impacts can cause issues.
- **Seal Check:** Ensure the seal on the 8" cap is intact and free of debris to maintain a tight closure.
- **Storage:** When not in use, store the tank in a cool, dry place away from direct sunlight and extreme temperatures to prevent material degradation.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your tank.

Problem	Possible Cause	Solution
Slow or Incomplete Drainage	Outlet fitting partially blocked. Hose/pipe connected to outlet is kinked or obstructed. Insufficient venting (though less common for open-top filling).	Check and clear any obstructions in the outlet fitting. Ensure connected hoses/pipes are clear and unkinked. Ensure the top cap is not creating an airtight seal during drainage if contents are viscous.
Leakage from Cap	Cap not securely tightened. Cap seal is damaged or dirty.	Tighten the 8" cap firmly. Inspect and clean the cap seal. Replace if damaged.

Problem	Possible Cause	Solution
Tank Deformation/Bulging	Overfilling beyond capacity. Exposure to extreme temperatures. Incompatible chemical storage.	Do not overfill the tank. Store in recommended temperature ranges. Ensure contents are compatible with polyethylene.

6. SPECIFICATIONS

Detailed specifications for the Norwesco 5 Gallon Square Total Drain Tank:

Attribute	Detail
Brand	Norwesco
Model Number	42321
Capacity	5 Gallons
Material	Polyethylene (PE)
Color	White
Product Dimensions (L x W x H)	11 x 11 x 18 inches
Item Weight	6 Pounds
Cap Size	8 inches
Outlet Drain Size	1-1/4 inches
Manufacturer	Tank Holding Corp.



Figure 3: Visual representation of the tank's key dimensions, weight, and material.

7. WARRANTY AND SUPPORT

Specific warranty details for the Norwesco 5 Gallon Square Total Drain Tank are not provided in this manual. For information regarding product warranty, technical support, or replacement parts, please contact Norwesco directly through their official website or customer service channels.

You can typically find contact information on the manufacturer's official website: www.norwesco.com

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This manual is for informational purposes only. Norwesco reserves the right to make changes to product specifications without prior notice.

