

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [VEVOR](#) /

› [VEVOR 20L Pressure Pot Paint Tank R8363H Instruction Manual](#)

VEVOR R8363H

VEVOR 20L Pressure Pot Paint Tank Instruction Manual

Model: R8363H

PRODUCT OVERVIEW

The VEVOR 20L (5.3 Gallon) Pressure Pot Paint Tank, Model R8363H, is a heavy-duty steel air tool designed for efficient bubble removal in various applications, particularly for resin casting and paint spraying. It provides a controlled pressurized environment to eliminate trapped air, ensuring smooth, crystal-clear, and consistent results for art projects, DIY tasks, and professional studio use. This tank requires an external air compressor (not included) for operation.

SAFETY INSTRUCTIONS

Always prioritize safety when operating the pressure pot. Failure to follow these instructions may result in injury or damage to the equipment.

- Always wear appropriate safety gear, including eye protection, gloves, and respiratory protection, when using this product.
- Do not exceed the recommended maximum operating pressure of 0.55 MPa (80 psi). The integrated safety valve is designed to release air above this limit.
- Keep the pressure pot away from heat sources, open flames, and flammable materials.
- Ensure all connections are secure and airtight before pressurizing the tank. Use additional sealant as needed to prevent leaks.
- In case of accidental release of materials, rinse thoroughly with water and follow local disposal guidelines.
- Store the pressure pot in a cool, dry place, out of reach of children and pets.
- Depressurize the tank completely before opening the lid or performing any maintenance.

PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking.

- VEVOR 20L Pressure Pot Paint Tank
- Casters (x4)
- Air Hose Connectors (x3)
- Connector Nuts (x2)
- US-Style Connector (x1)

- Leak Repair Sealant (10ml)
- User Manual

Easy-to-Use Pressure Adjustment Knob

Max Operating Pressure

0.35 MPa



Easy-Adjust Knob

0-7kg/cm²
Pressure Gauge

Figure 1: VEVOR Pressure Pot Paint Tank with all included components, including casters, air hose connectors, sealant, and the user manual.

1. Attaching Casters

1. Carefully invert the pressure pot to access the base.
2. Insert each of the four casters into the designated slots on the bottom of the tank.
3. Ensure the casters are securely seated. The detachable design allows for easy mobility.



Figure 2: The VEVOR Pressure Pot is equipped with four detachable swivel casters, allowing for easy movement and flexible placement within your workspace.

2. Connecting Air Hoses

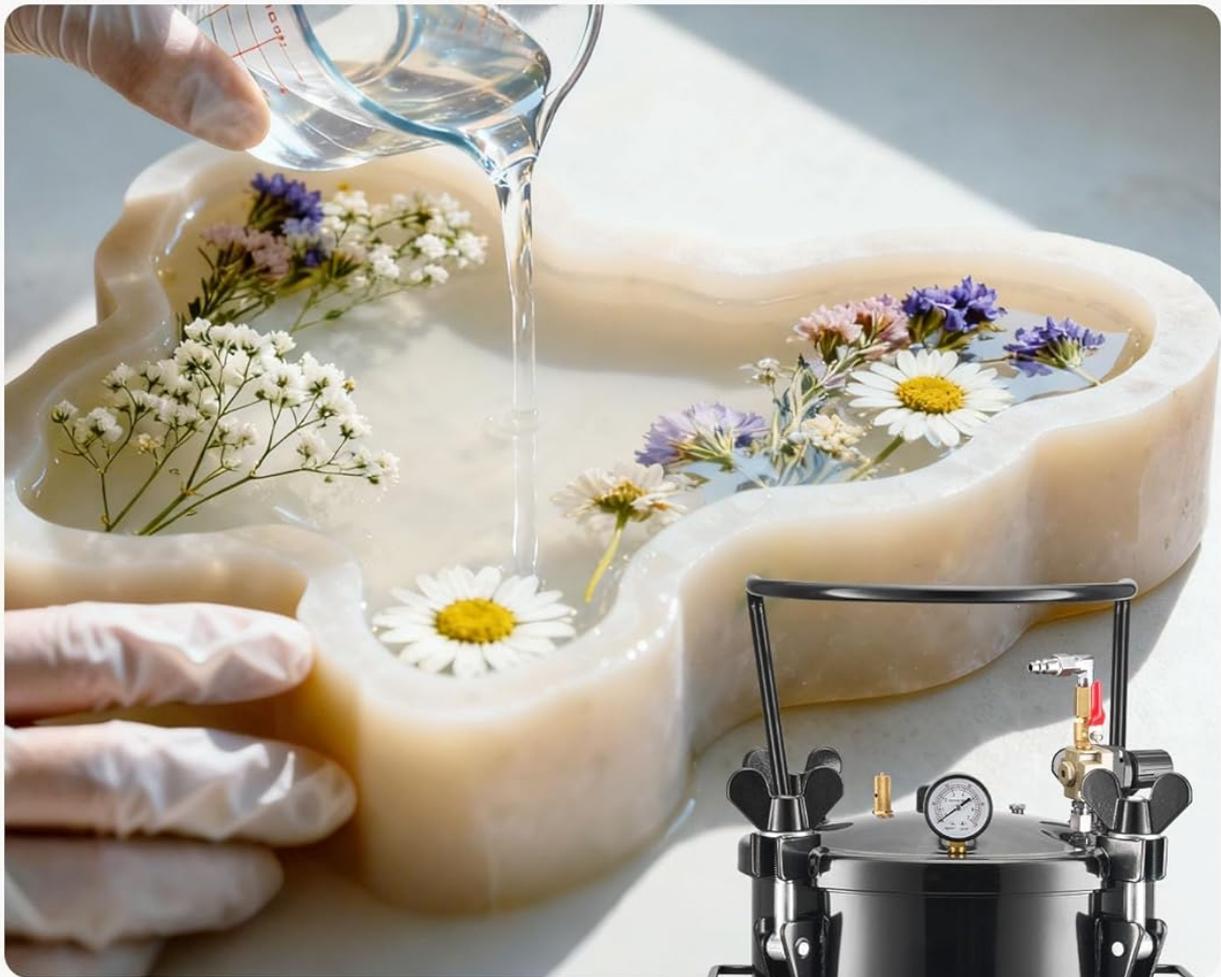
1. Identify the air inlet on the pressure pot (1/4" or 6.4mm).
2. Attach the appropriate air hose connector to the air inlet.
3. Connect your air compressor (not included) to the air hose connector. Ensure a tight seal to prevent air leaks.
4. If using for paint, connect the spray gun hose to the designated outlet.

OPERATING INSTRUCTIONS

1. Filling the Tank

1. Ensure the tank is fully depressurized and the lid is open.
2. Carefully pour your resin, paint, or other material into the tank. Do not overfill.
3. Place the items to be degassed (e.g., resin molds) inside the tank.

One-Press Batch Bubble Removal



20 L

5.3 gal

Note: Use with an air compressor (Not Included). The product does not include hose and spray gun

Figure 3: The VEVOR Pressure Pot Paint Tank is designed for efficient bubble removal in resin casting, ensuring a smooth, crystal-clear finish for various art and DIY projects.

2. Sealing and Pressurizing

1. Close the lid of the pressure pot and secure it using the manual nut locks. Tighten them firmly to create a stable, airtight seal.
2. Ensure the pressure release valve is closed.

3. Slowly open the air inlet valve to allow air from the compressor to enter the tank.
4. Monitor the pressure gauge and adjust the pressure knob to achieve the desired operating pressure (up to 0.55 MPa / 80 psi).
5. Allow the material to remain under pressure for the recommended duration to effectively remove bubbles.

12-Hour Stable Seal

Increase the success rate for precision craft



Thickened Steel Tank



Overpressure Safety Valve



Pressure Relief Valve



Sealing Locking Device

Figure 4: Key features of the pressure pot include a robust thickened steel tank, an overpressure safety valve for controlled release, a pressure relief valve, and a secure sealing locking device to maintain consistent pressure.

Enjoy Your Creative Epoxy Art



Figure 5: The adjustable pressure knob allows for precise control over the internal pressure, with a real-time gauge displaying the current pressure for accurate operation.

3. Depressurizing and Opening

1. Once the degassing process is complete, slowly open the pressure release valve to gradually depressurize the tank.
2. Wait until the pressure gauge reads zero before attempting to open the lid.
3. Unscrew the manual nut locks and carefully open the lid.

Reduce 99% of Air Bubbles

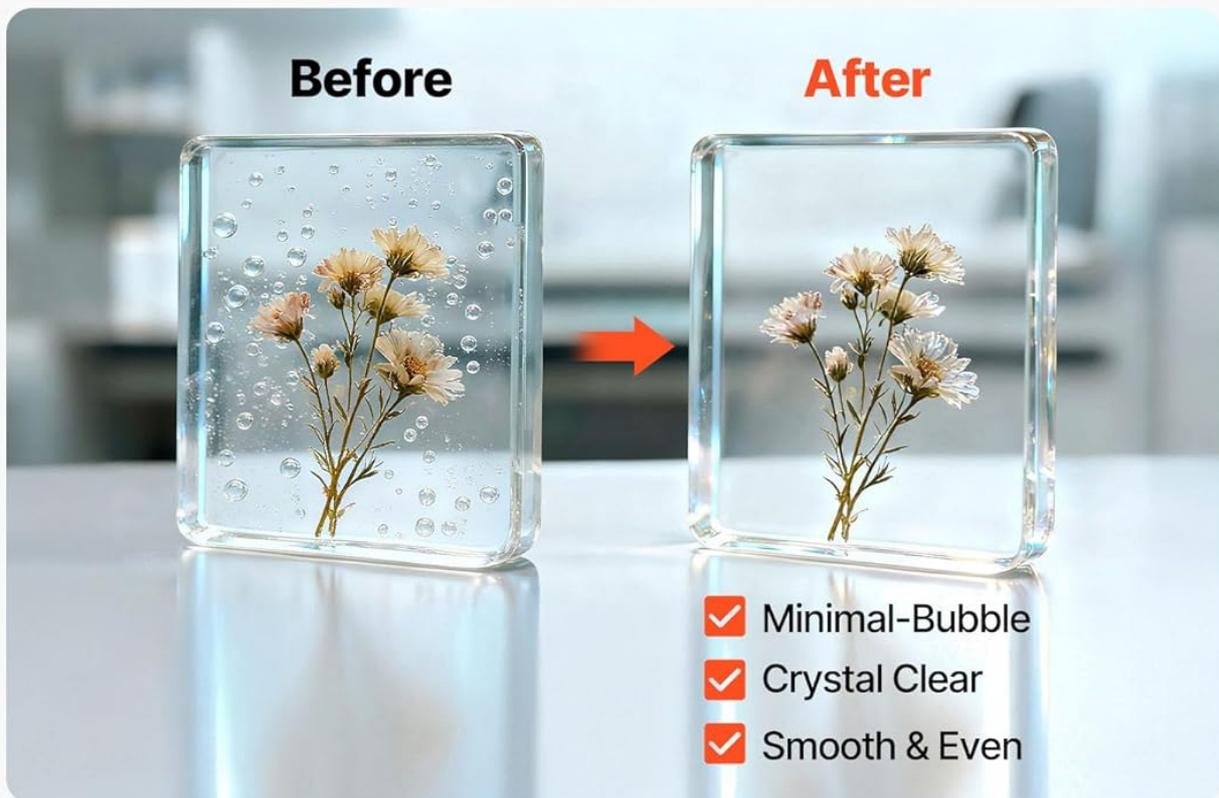
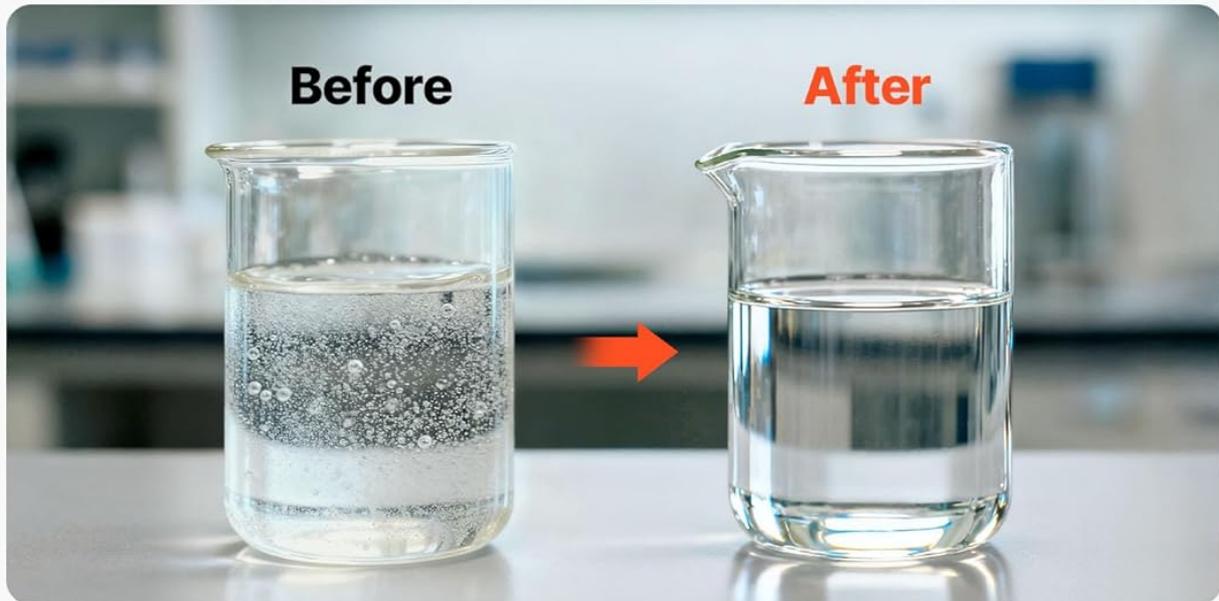


Figure 6: This image illustrates the effectiveness of the pressure pot in eliminating air bubbles, resulting in clear liquids and smooth, bubble-free resin castings.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your pressure pot.

- **Cleaning:** After each use, clean the interior of the tank and the lid thoroughly to remove any residual material. Use

appropriate cleaning agents for the materials used (e.g., resin cleaner, paint thinner).

- **Seal Inspection:** Regularly inspect the lid gasket and other seals for any signs of wear, cracks, or damage. Replace worn seals immediately to maintain airtightness. The included leak repair sealant can be used for minor issues.
- **Valve Checks:** Periodically check all valves (air inlet, pressure release, safety valve) for proper function and ensure they are free from obstructions.
- **Storage:** Store the pressure pot in a clean, dry environment, away from extreme temperatures and direct sunlight. Ensure it is depressurized before storage.

TROUBLESHOOTING

Common Issues and Solutions

- **Pressure Leakage:**
 - **Cause:** Improperly sealed lid, damaged gasket, loose connections, or faulty valves.
 - **Solution:** Ensure lid nuts are tightened evenly and firmly. Inspect the gasket for damage and replace if necessary. Check all air hose connections and valve fittings for tightness; apply thread sealant if needed. If the safety valve continuously leaks, it may require inspection or replacement.
- **Difficulty Achieving Desired Pressure:**
 - **Cause:** Air leaks, insufficient air compressor output, or clogged air lines.
 - **Solution:** Check for air leaks as described above. Verify your air compressor meets the pressure requirements. Inspect air lines for kinks or blockages.
- **Material Not Degassing Effectively:**
 - **Cause:** Insufficient pressure, too short pressurization time, or material viscosity.
 - **Solution:** Increase pressure to the recommended level (up to 80 psi). Extend the pressurization time. For very viscous materials, consider warming them slightly before placing them in the pot (ensure material is safe for warming).

SPECIFICATIONS

Detailed technical specifications for the VEVOR 20L Pressure Pot Paint Tank.

Feature	Specification
Brand	VEVOR
Model Number	R8363H
Tank Volume	5.3 Gallons / 20 Liters
Max Pressure	0.55 MPa / 80 psi
Air Inlet	1/4 inch (6.35 mm)
Material	Alloy Steel
Color	Black
Product Dimensions (D x H)	15.35 x 13.39 x 22.83 inches / 390 x 340 x 580 mm
Net Weight	39.68 Pounds / 18 kg
Included Components	Casters, Air Hose Connectors, Connector Nuts, US-Style Connector
Country of Origin	China





Figure 7: This diagram provides detailed dimensions and technical specifications for the 20L (5.3 Gallon) VEVOR Pressure Pot, including tank capacity, maximum pressure, air inlet size, and product dimensions.

WARRANTY AND SUPPORT

VEVOR products are designed for durability and performance. For information regarding product warranty, returns, or technical support, please refer to the official VEVOR website or contact VEVOR customer service directly. Ensure you have your product model number (R8363H) and purchase details available when seeking support.