VEVOR LX-33629A-1

VEVOR 30 lbs Refrigerant Recovery Tank

Model: LX-33629A-1

Instruction Manual

Introduction

This manual provides essential instructions for the safe and efficient operation of your VEVOR 30 lbs Refrigerant Recovery Tank, Model LX-33629A-1. Please read this manual thoroughly before use to ensure proper handling and to prevent injury or damage.

The VEVOR refrigerant recovery tank is designed for the safe collection and storage of various refrigerants, including R134A, R-22, R-12, R410A, R404A, R502, R1234YF, and R32. It features a robust HP295 steel construction, a float switch for automatic shut-off, and a pressure relief valve for enhanced safety.

Safety Warning: Always wear appropriate personal protective equipment (PPE) such as safety glasses and gloves when handling refrigerants. Ensure proper ventilation in your work area. Refer to local regulations for refrigerant handling and disposal.

Product Overview

The VEVOR Refrigerant Recovery Tank is engineered for durability and ease of use. Key features include:

- **Automatic Shut-off:** Equipped with a float switch, the tank automatically stops recovery when it reaches 80% capacity, preventing overfilling.
- **Wide Compatibility:** Includes 1/4" SAE to 1/2" ACME brass adapters, allowing connection to most standard hoses and systems.
- **Safety Features:** Features an explosion-proof design with a brass Y-valve for effective liquid and vapor recovery, and a pressure relief valve that activates if internal pressure exceeds safe limits.
- **Durable Construction:** Made from 0.1-inch (2.54 mm) thick HP295 steel with a glossy powder coating for long-term resistance to wear and corrosion.
- **Nitrogen Pre-fill:** Contains a trace amount of nitrogen to help prevent internal corrosion.

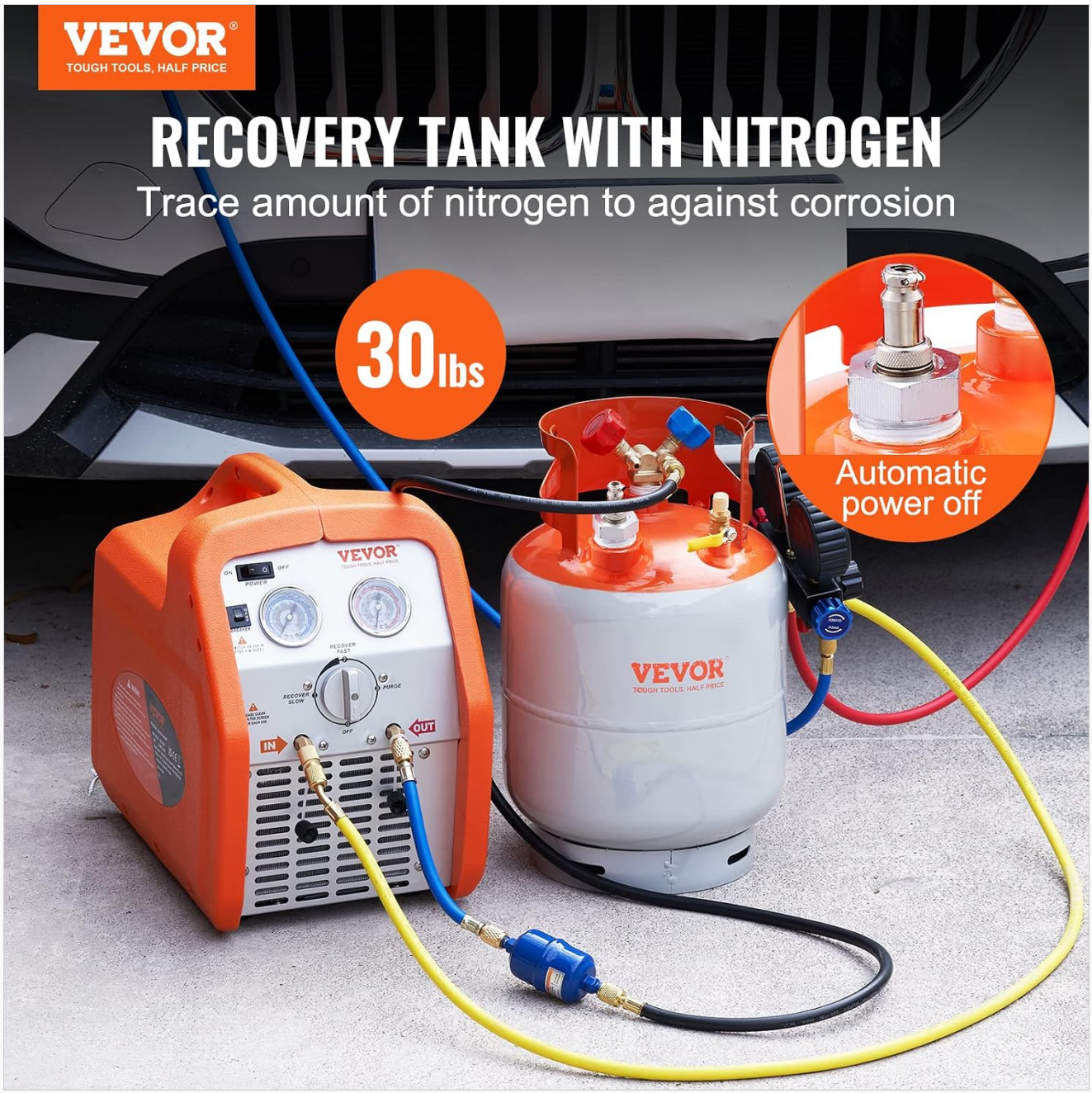

Image: The VEVOR Refrigerant Recovery Tank connected to a recovery machine, highlighting its nitrogen pre-fill for corrosion prevention and automatic power-off feature at 80% capacity.

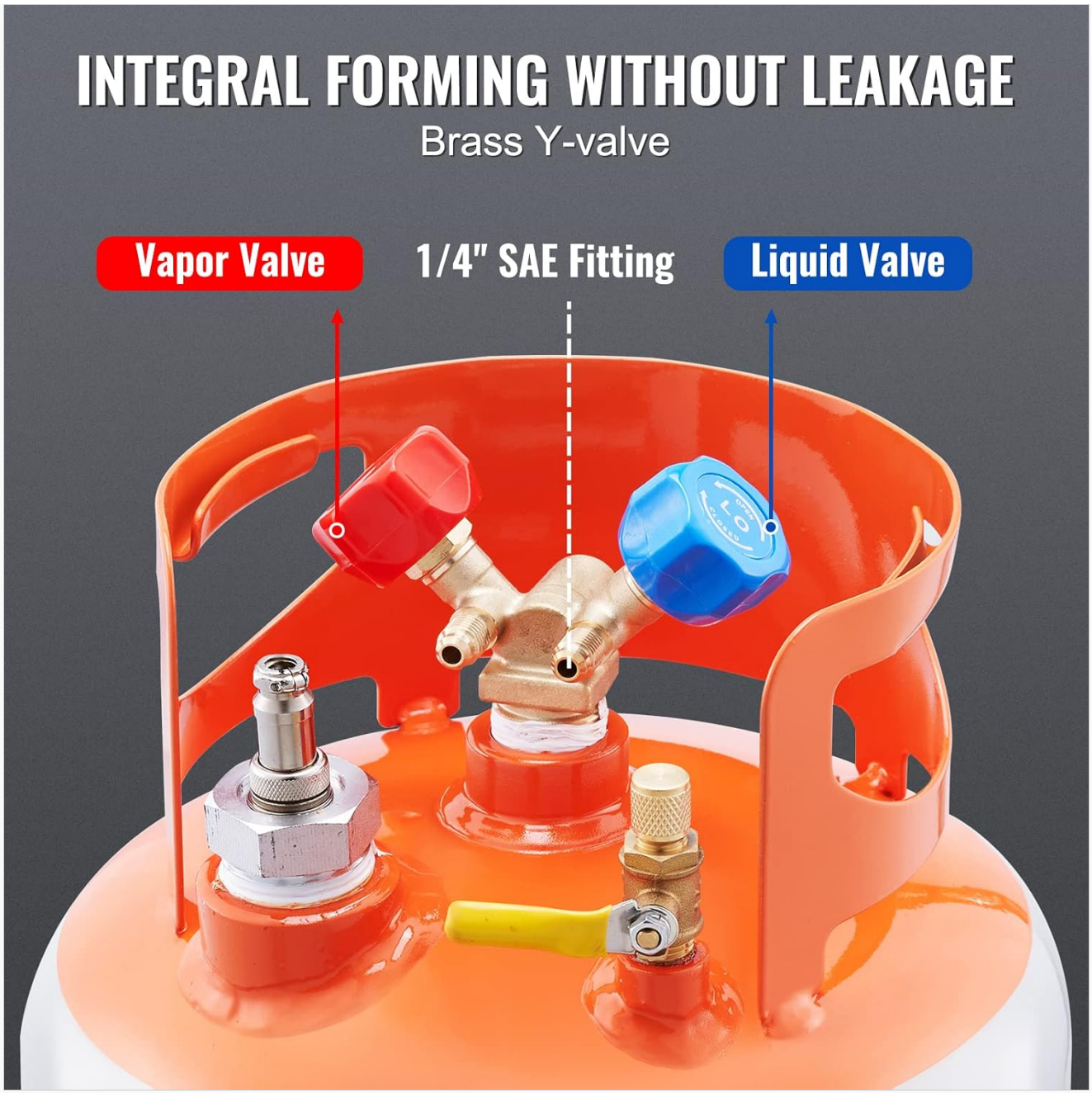

Image: A detailed view of the tank's brass Y-valve, clearly labeling the Vapor Valve (red), Liquid Valve (blue), and the 1/4" SAE Fitting for secure connections.

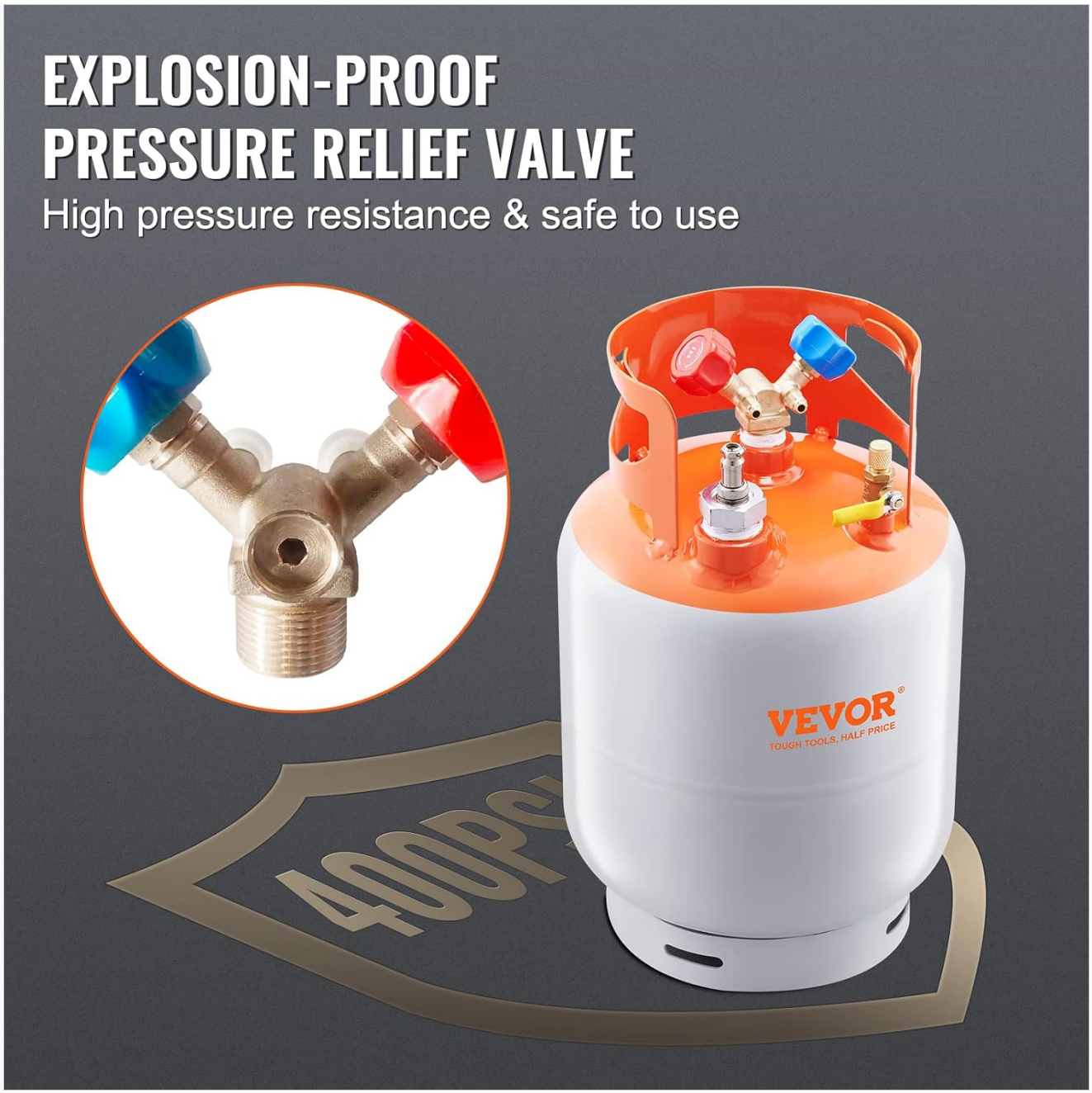

Image: The recovery tank with an inset highlighting the explosion-proof pressure relief valve, designed for high-pressure resistance and safe operation.

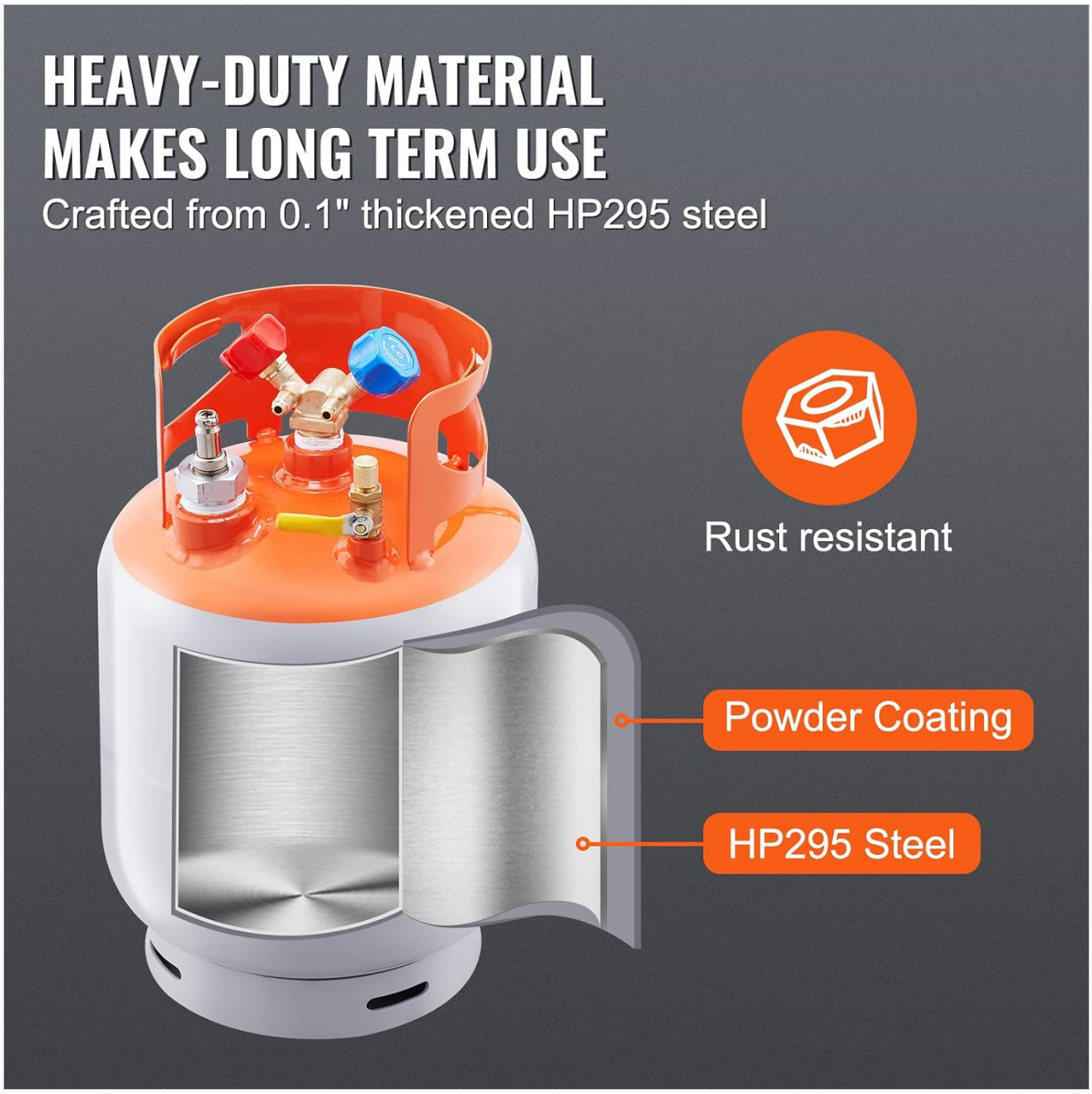

Image: A cross-sectional diagram illustrating the tank's heavy-duty construction, featuring 0.1-inch thick HP295 steel and a protective powder coating for rust resistance and long-term durability.

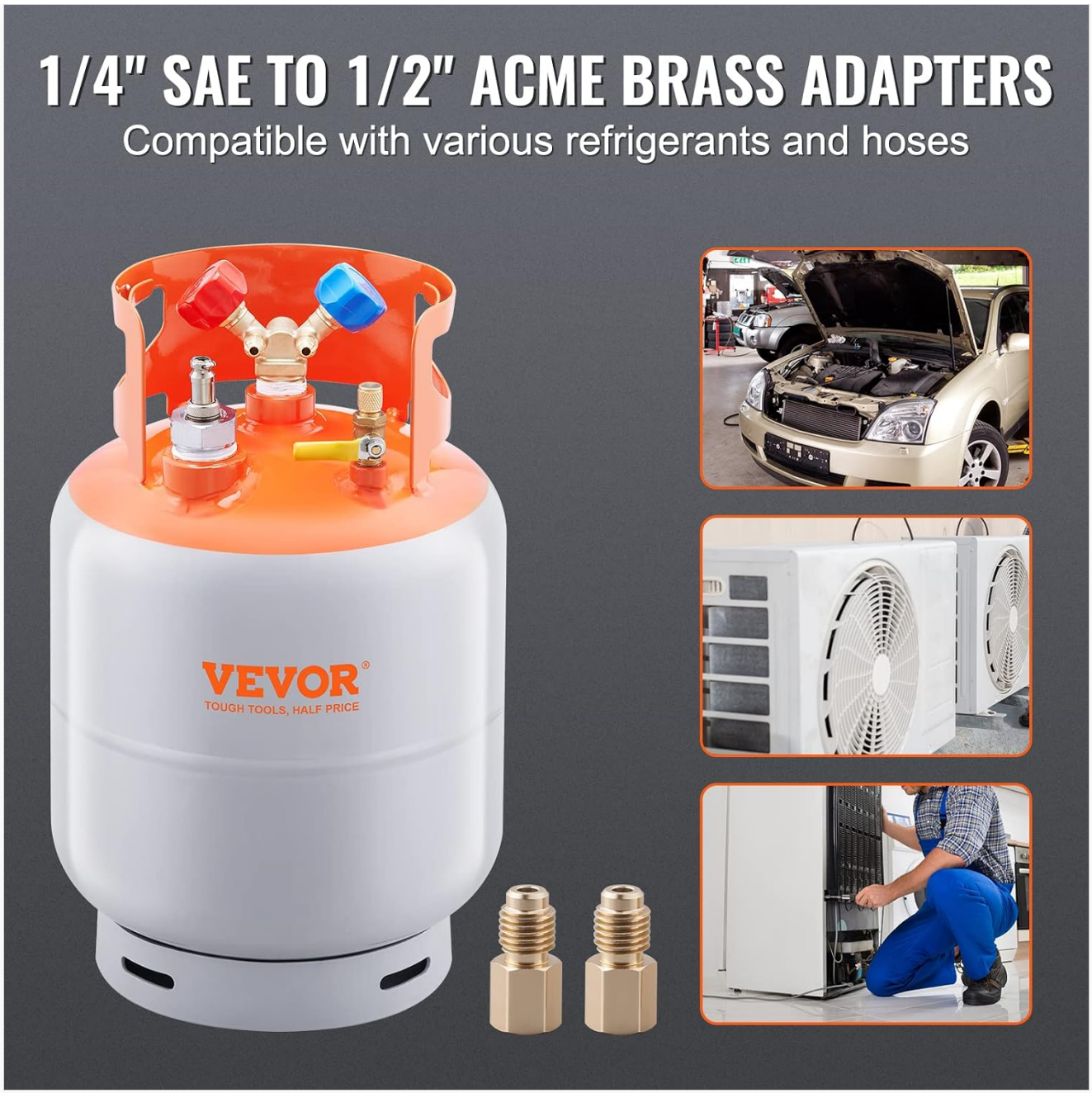

Image: The recovery tank displayed with the included 1/4" SAE to 1/2" ACME brass adapters, demonstrating its compatibility with various refrigerants and hoses for diverse applications.

Specifications

Feature	Detail
Model Number	LX-33629A-1
Capacity	30 lbs (13.6 kg)
Working Pressure	400 psi / 2.7 MPa
Test Pressure	800 psi / 5.5 MPa
Material	HP295 Steel
Product Dimensions (Diameter x Height)	Φ 9 x 15.4 inches (Φ 240 x 390 mm)

Net Weight	15.4 lbs (7 kg)
Temperature Range	-10 to 50 °C
Included Components	1 Refrigerant Recovery Tank, 2 x 1/4" SAE to 1/2" ACME Brass Adapters

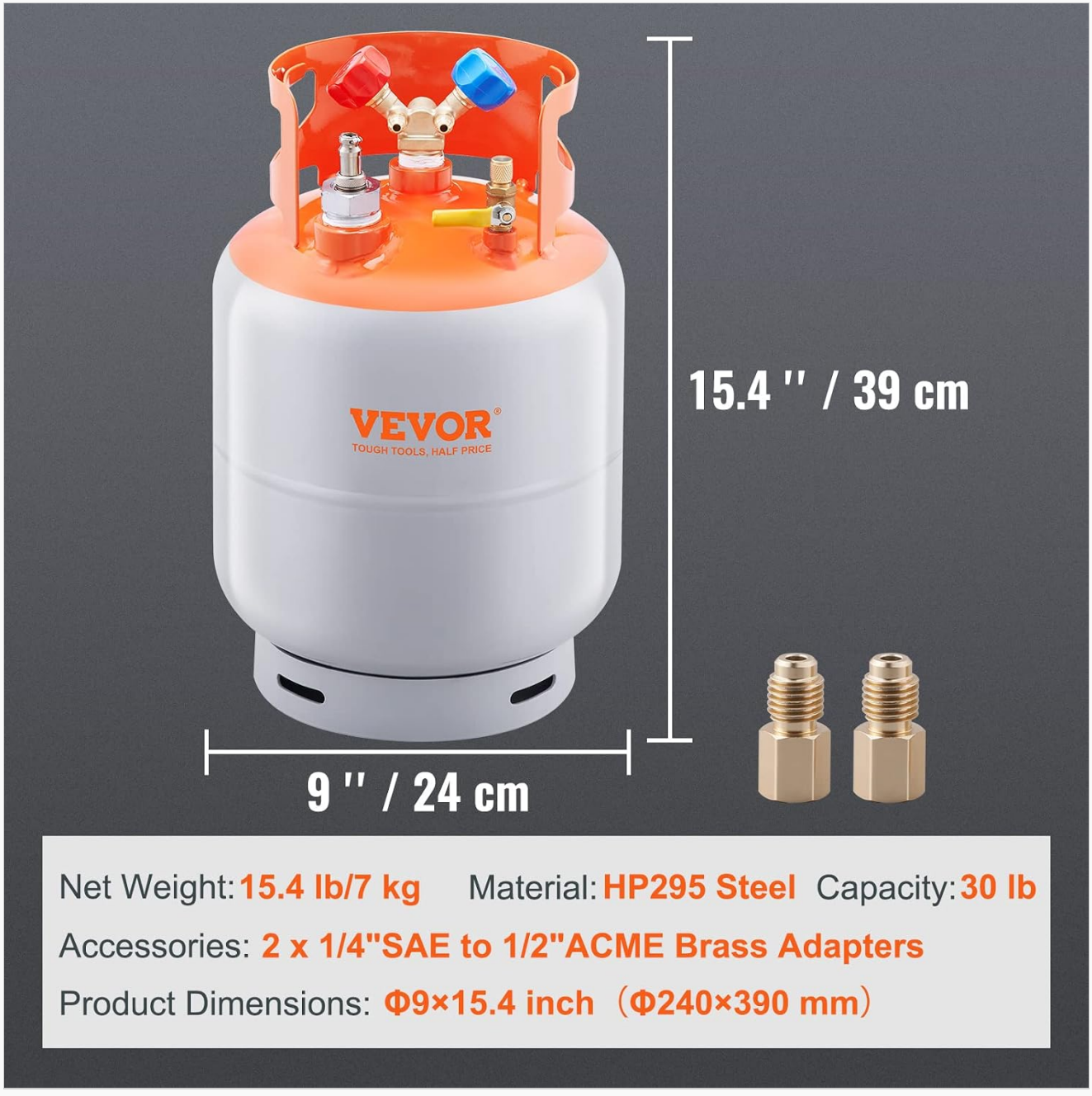

Image: A visual representation of the tank's dimensions, indicating a height of 15.4 inches (39 cm) and a diameter of 9 inches (24 cm), along with a summary of key specifications.

Setup

Before connecting the recovery tank, ensure all components are clean and free from damage. Follow these steps for initial setup:

1. Inspect the tank for any visible damage or leaks. Do not use if damaged.
2. Ensure the vapor (red) and liquid (blue) valves on the tank are in the closed position.
3. Connect the appropriate hose from your refrigerant recovery machine to the tank's vapor port (red valve) and

liquid port (blue valve). Use the provided 1/4" SAE to 1/2" ACME brass adapters if your hoses require them.

4. Connect the other end of the recovery machine to the system from which refrigerant will be recovered (e.g., AC unit, refrigerator).
5. Verify all connections are secure and leak-free before proceeding.

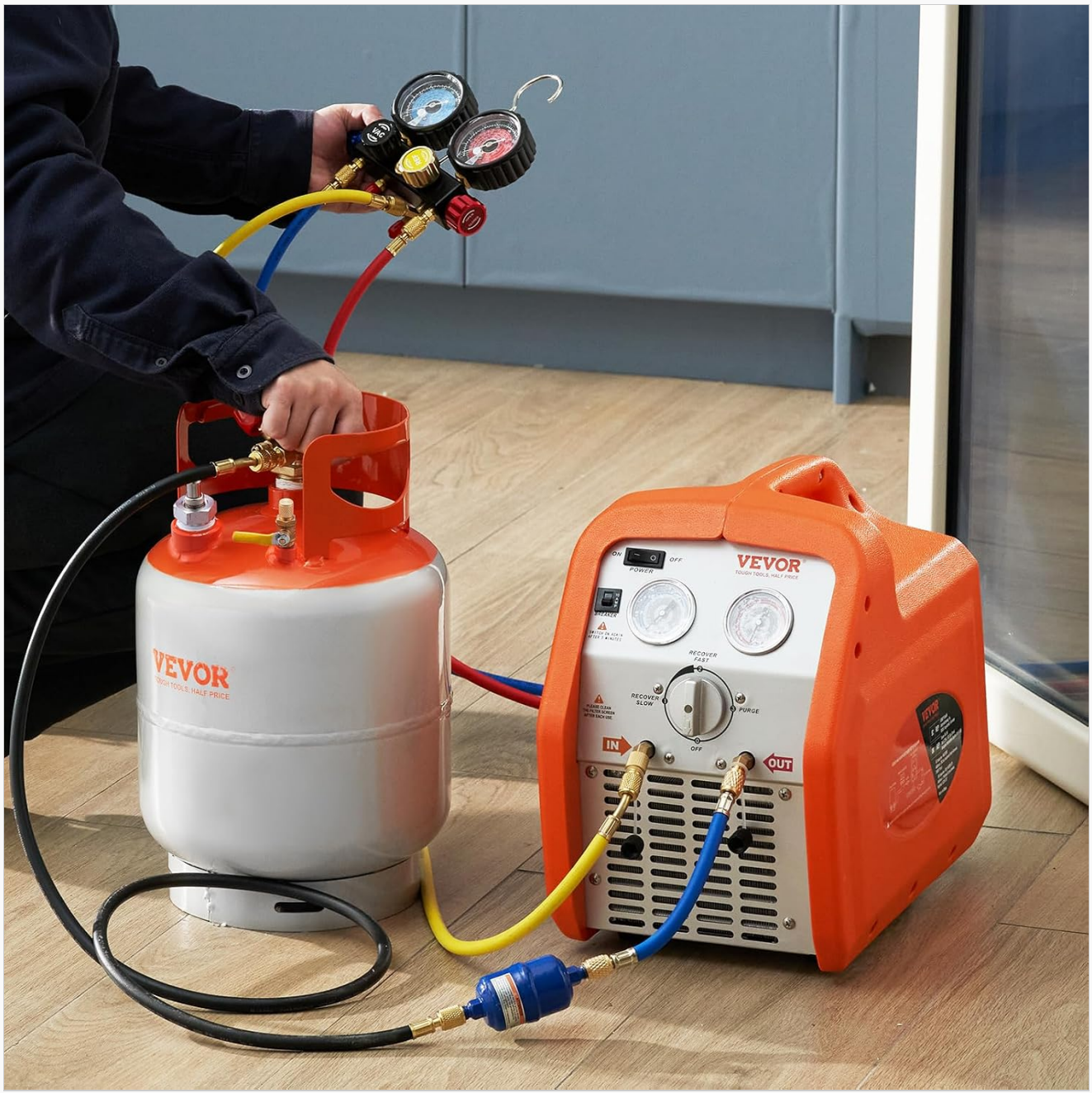

Image: A user connecting the VEVOR Refrigerant Recovery Tank to a recovery machine, illustrating the typical setup for refrigerant transfer.

Operating Instructions

Follow these steps for safe and effective refrigerant recovery:

1. Ensure the recovery tank is placed on a stable, level surface in a well-ventilated area.
2. Slowly open the vapor (red) and liquid (blue) valves on the recovery tank.
3. Initiate the recovery process on your refrigerant recovery machine according to its specific operating instructions.
4. Monitor the recovery process. The tank's internal float switch will automatically stop the recovery when the tank reaches approximately 80% of its capacity (around 24 lbs or 10.88 kg) to prevent overfilling and ensure safety.

5. Once recovery is complete or the tank automatically shuts off, immediately close the vapor and liquid valves on the tank.
6. Carefully disconnect the hoses from the tank and the recovery machine. Be aware of any residual pressure.
7. Store the tank in a cool, dry, and well-ventilated area, away from direct sunlight and heat sources.

Maintenance

Regular maintenance ensures the longevity and safe operation of your recovery tank.

- **Cleaning:** Keep the exterior of the tank clean. Wipe with a damp cloth as needed. Do not use abrasive cleaners or solvents that could damage the powder coating.
- **Inspection:** Periodically inspect the tank for signs of corrosion, dents, or other physical damage. Check the valves and connections for wear, leaks, or proper sealing. Replace any worn or damaged components immediately.
- **Storage:** Store the tank upright in a cool, dry place away from direct sunlight, heat sources, and corrosive materials. Ensure all valves are tightly closed during storage.
- **Valve Care:** Ensure the valves operate smoothly. Do not overtighten connections, as this can damage the valve threads or seals.

Troubleshooting

Issue	Possible Cause	Solution
Tank not filling or slow recovery.	Valves on the tank are not fully open.	Ensure both vapor and liquid valves are completely open.
	Hoses are kinked or blocked.	Check hoses for obstructions or kinks.
	Recovery machine malfunction.	Refer to your recovery machine's manual for troubleshooting.
Automatic shut-off activates prematurely.	Tank is near 80% capacity.	This is normal operation. The tank is designed to stop at 80% capacity. Use another tank if more capacity is needed.
	Float switch malfunction.	Contact VEVOR customer support for assistance.
Leaks detected at connections.	Loose connections or damaged O-rings/gaskets.	Tighten all connections. Inspect and replace any damaged O-rings or gaskets.

Warranty and Support

For warranty information, technical support, or replacement parts, please contact VEVOR customer service. Refer to your purchase documentation for specific warranty terms and contact details.

You can typically find support information on the official VEVOR website or through your retailer. Always provide your model number (LX-33629A-1) when seeking support.