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Model: T88007

1. IMPORTANT SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this portable air tank. Failure to follow these instructions may result in serious injury or property damage.

- **Maximum Pressure:** Do not exceed the maximum allowable working pressure (MAWP) of 125 PSI. Over-pressurizing the tank can cause it to rupture, leading to severe injury.
- **Inspect Before Use:** Before each use, inspect the tank, hose, and fittings for any signs of damage, corrosion, or leaks. Do not use if damaged.
- **Drain Moisture:** Compressed air contains moisture. Regularly drain accumulated moisture from the tank to prevent corrosion and maintain tank integrity.
- **Eye Protection:** Always wear ANSI-approved safety goggles or glasses when operating or servicing the air tank.
- **Hearing Protection:** Use hearing protection when operating air compressors to fill the tank, as noise levels can be high.
- **Ventilation:** Ensure adequate ventilation when filling or using the air tank.
- **Children and Bystanders:** Keep children and bystanders away from the operating area.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

2. PRODUCT OVERVIEW

The BIG RED T88007 Torin Portable Air Tank is designed for convenient storage and transport of compressed air, ideal for inflating tires, sporting equipment, and other light-duty pneumatic tasks.

Unique Features

Air Pressure Gauge
Easy to Read (0-180 PSI)

On/Off Adjustment Dial
Includes 1/8" NPT Valve



4' Hose w/ Tire Chuck
1/4" NPTM Thread

Pressure Bypass Valve
W/ Manual Override

Figure 2.1: Unique Features of the T88007 Air Tank. This image highlights the air pressure gauge (0-180 PSI), on/off adjustment dial with 1/8" NPT valve, 4-foot hose with 1/4" NPTM thread tire chuck, and the pressure bypass valve with manual override.

Key Features:

- **Capacity:** 7 Gallons
- **Maximum Allowable Working Pressure:** 125 PSI
- **Integrated Pressure Gauge:** Displays pressure in PSI and Bar.
- **Safety Pressure Bypass Valve:** With manual override for controlled pressure release.
- **Hose:** 36-inch (4-foot) industrial grade 1/4 inch male NPT air hose with standard tire chuck.
- **Shut-off Valve:** Allows the tank to be filled and disconnected from a compressor without air draining.
- **Portability:** Durable steel construction with a convenient carry handle.

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Video 2.2: Overview of the BIG RED T88007 Air Tank. This video demonstrates the physical appearance and key components of the 7-gallon portable air tank.

3. SETUP AND ASSEMBLY

The BIG RED T88007 portable air tank comes largely pre-assembled. Follow these steps for initial setup:

1. **Unpacking:** Carefully remove the air tank from its packaging. Inspect for any shipping damage.
2. **Component Check:** Ensure all components are present: the air tank, pressure gauge, air hose with tire chuck, and

shut-off valve assembly.

3. **Hose Connection:** The 36-inch air hose with tire chuck is typically pre-attached. Ensure it is securely tightened to the tank's outlet port.
4. **Valve Orientation:** Familiarize yourself with the shut-off valve. This valve controls the airflow from the tank to the hose.

4. OPERATING INSTRUCTIONS

4.1 Filling the Air Tank

1. **Connect to Compressor:** Connect an air compressor hose to the tank's inlet valve (typically a Schrader valve, similar to a car tire valve).
2. **Close Shut-off Valve:** Ensure the tank's shut-off valve (on the outlet) is in the closed position to prevent air from escaping during filling.
3. **Fill Tank:** Turn on your air compressor and begin filling the tank. Monitor the pressure gauge on the air tank.
4. **Do Not Overfill:** Fill the tank only up to its maximum allowable working pressure of 125 PSI. Do not exceed this limit.
5. **Disconnect Compressor:** Once the desired pressure is reached, turn off the compressor and disconnect the hose from the air tank. The tank's inlet valve is designed to hold pressure.

4.2 Using the Air Tank

1. **Connect to Item:** Attach the tire chuck on the air hose to the valve stem of the item you wish to inflate (e.g., car tire, bicycle tire, sports ball).



Figure 4.1: Inflating a Bicycle Tire. The image shows the tire chuck connected to a bicycle tire valve stem.

2. **Open Shut-off Valve:** Slowly open the shut-off valve on the air tank to allow air to flow into the hose and the item being inflated.
3. **Monitor Pressure:** Use a separate tire gauge or the tank's gauge (if applicable and accurate for the specific task) to monitor the inflation pressure of the item. Inflate to the manufacturer's recommended pressure.



Figure 4.2: Inflating a Car Tire. The portable air tank is positioned next to a car tire while a person connects the hose to the tire valve.

4. **Close Shut-off Valve:** Once the desired pressure is reached, close the shut-off valve and disconnect the tire chuck from the item.
5. **Pressure Bypass Valve:** If you need to release pressure from the tank, use the manual override on the pressure bypass valve.



Figure 4.3: Portability of the Air Tank. The image demonstrates the ease of carrying the air tank using its integrated handle.

5. MAINTENANCE

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

- **Drain Moisture:** Compressed air generates condensation. Regularly drain the moisture from the tank using the drain valve located at the bottom. This prevents internal corrosion.
- **Inspect for Leaks:** Periodically check all connections (hose, gauge, valves) for air leaks. A soapy water solution can be applied to connections; bubbles indicate a leak.
- **Clean Exterior:** Keep the exterior of the tank clean and free of dirt or debris.
- **Storage:** Store the air tank in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the tank is depressurized before long-term storage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tank loses air pressure quickly	Loose connections or damaged hose/valve.	Check all fittings and hose for leaks using soapy water. Tighten connections or replace damaged parts. Ensure shut-off valve is fully closed.
Air tank does not fill	Inlet valve blocked or compressor issue.	Ensure compressor is functioning correctly. Check the tank's inlet valve for obstructions.
Tire chuck does not seal on valve stem	Worn chuck gasket or improper connection.	Ensure the chuck is fully engaged on the valve stem. Replace the tire chuck if the internal gasket is worn.

7. SPECIFICATIONS

Specification



Capacity	7 Gallon	MAWP	125 PSI
Material	Q235B	Weight	18.2 LBs

Figure 7.1: Product Specifications. This image provides a visual summary of the tank's dimensions and key performance metrics.

- **Model:** T88007
- **Capacity:** 7 Gallons
- **Maximum Allowable Working Pressure (MAWP):** 125 PSI
- **Hose Length:** 36 inches (4 feet)
- **Material:** Alloy Steel (Q235B)

- **Item Weight:** 18.3 Pounds
- **Dimensions (L x W x H):** 20.3" x 9.8" x 12.6"
- **Color:** Red

8. WARRANTY AND SUPPORT

This BIG RED T88007 Portable Air Tank is covered by a **1 Year Limited Manufacturer Warranty**.

For warranty claims, technical support, or replacement parts, please contact BIG RED customer service. Keep your purchase receipt as proof of purchase.

For further assistance, visit the official BIG RED website or contact their customer support line.