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› Vixen Horns VXT3000 3 Gallon Air Horn Tank System Instruction Manual

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Vixen Horns VXT3000 3 Gallon Air Horn Tank System Instruction Manual

Model: VXT3000

INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Vixen Horns VXT3000 3 Gallon Air Horn Tank System. Please read these instructions thoroughly before use and retain them for future reference.

The VXT3000 is a robust 3-gallon (12-liter) air tank system designed to support air horns, air suspension systems, and other pneumatic applications requiring up to 200 PSI of air pressure. Constructed from precision-welded steel and coated with an anti-corrosion film, this tank ensures maximum protection and durability.

PRODUCT COMPONENTS

Your VXT3000 system includes the following components:

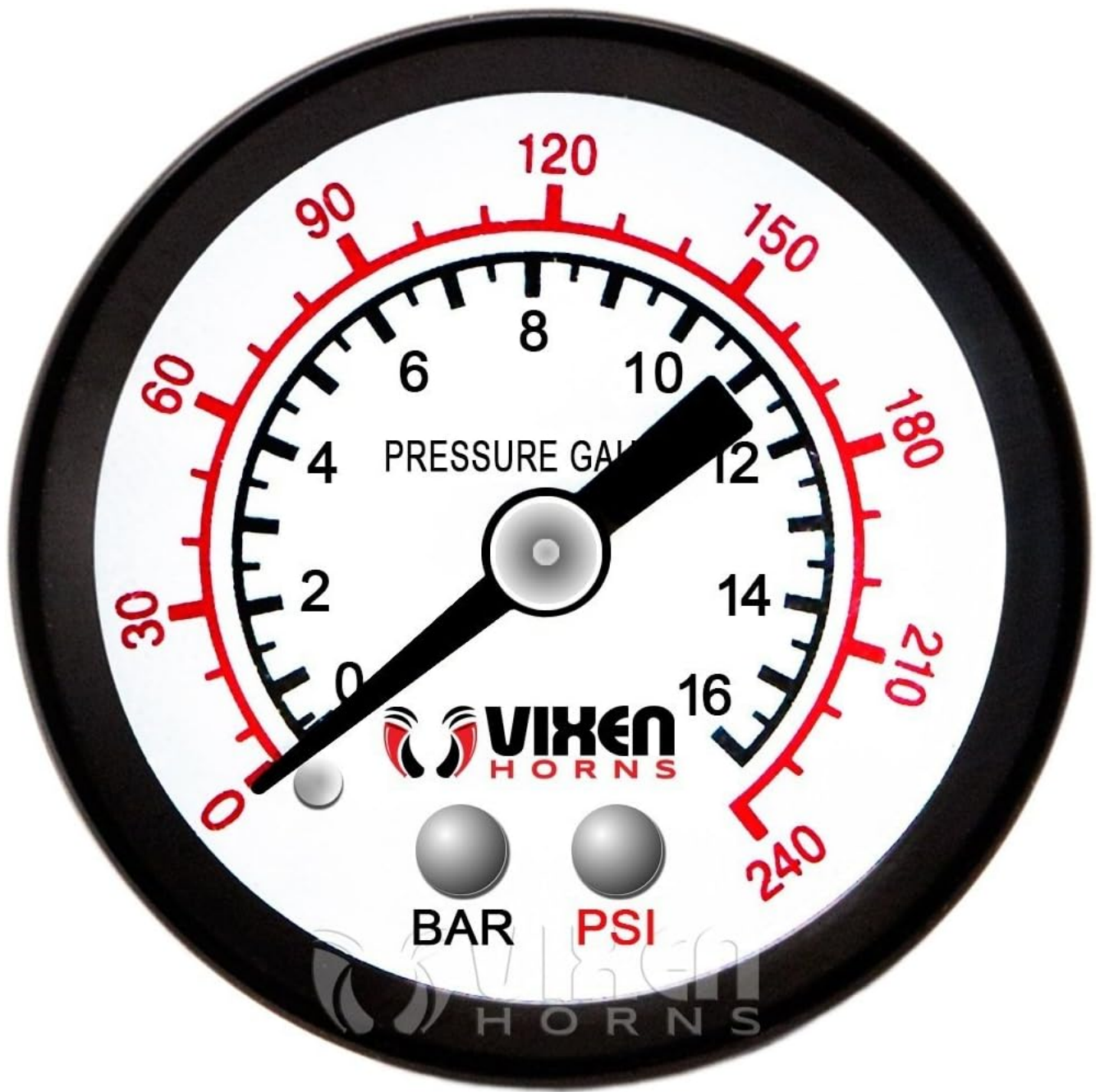
- 3 Gallon (12 Liter) Steel Air Tank with 7 Ports
- Pressure Switch (170 PSI ON / 200 PSI OFF)
- 240 PSI Air Pressure Gauge
- Safety Valve
- Drain Valve
- Compression Fittings
- Male Plug
- Air Hose
- Thread Sealant
- Mounting Hardware (bolts and nuts)



The Vixen Horns VXT3000 3 Gallon Air Tank System, featuring a black powder-coated steel tank with integrated mounting brackets.



Top view of the VXT3000 air tank, highlighting the various threaded ports for component connection.



Included 240 PSI air pressure gauge for monitoring tank pressure.



The pressure switch, designed to activate the compressor at 170 PSI and deactivate it at 200 PSI.



Various brass fittings, including the drain valve and safety valve, essential for system functionality and safety.



Thread sealant tape provided to ensure airtight connections for all threaded components.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your air tank system. If you are unsure about any steps, it is recommended to seek professional assistance.

General Installation Steps:

1. **Mounting the Tank:** Securely mount the air tank in a suitable location using the provided mounting hardware. Ensure the tank is positioned away from heat sources and moving parts, and that it is easily accessible for maintenance.

2. **Connecting Components:** Identify the appropriate ports for each component. The tank features 7 ports: 6 x 1/4 inch NPT and 1 x 1/2 inch NPT.
3. **Apply Thread Sealant:** Apply the provided thread sealant to all threaded connections before tightening. This is critical to prevent air leaks.
4. **Install Pressure Switch:** Connect the pressure switch to a designated 1/4 inch NPT port. Ensure electrical connections are made according to your compressor's wiring diagram.
5. **Install Pressure Gauge:** Connect the pressure gauge to a 1/4 inch NPT port for easy monitoring of tank pressure.
6. **Install Safety Valve:** The safety valve must be installed in a 1/4 inch NPT port. This valve is a critical safety device that releases excess pressure. Do not obstruct or modify it.
7. **Install Drain Valve:** Install the drain valve at the lowest point of the tank to allow for regular moisture drainage.
8. **Connect Air Lines:** Use the provided air hose and compression fittings to connect your air horns or other pneumatic devices to the tank. Ensure all connections are tight and secure.
9. **Leak Test:** After installation, pressurize the system and check all connections for leaks using a soapy water solution. Bubbles indicate a leak that needs to be addressed.

OPERATING INSTRUCTIONS

Once properly installed, your VXT3000 air tank system operates largely automatically in conjunction with your air compressor.

- **Automatic Pressure Regulation:** The included pressure switch is pre-set to automatically turn on your air compressor when the tank pressure drops below 170 PSI and turn it off when the pressure reaches 200 PSI. This maintains optimal operating pressure.
- **Safety Valve Function:** The safety valve is designed to automatically release air from the tank if the pressure exceeds the maximum supported limit, preventing over-pressurization and potential damage.
- **Air Consumption:** The 3-gallon capacity provides a reserve of compressed air for your applications. The duration of air supply depends on the air consumption of your connected devices.

MAINTENANCE

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

- **Drain Moisture Regularly:** Compressed air contains moisture, which can accumulate in the tank and lead to corrosion. Open the drain valve at the bottom of the tank periodically (e.g., weekly or monthly, depending on usage and humidity) to release accumulated moisture.
- **Inspect for Leaks:** Periodically check all connections and the tank itself for air leaks using a soapy water solution. Address any leaks immediately.
- **Check Components:** Inspect the pressure gauge, pressure switch, and safety valve for any signs of damage or malfunction. Replace any faulty components promptly.
- **Clean Exterior:** Keep the exterior of the tank clean to prevent corrosion.

TROUBLESHOOTING

If you encounter issues with your air tank system, consider the following common problems and solutions:

- **Air Leaks:** If the system loses pressure, check all fittings and connections with soapy water. Tighten loose connections or reapply thread sealant as needed. Inspect the tank for any visible damage.
- **Compressor Not Turning On/Off:** Verify the wiring to the pressure switch. If the compressor is not turning on, check its power supply. If it's not turning off, the pressure switch may be faulty or the tank may not be reaching the cut-off pressure due to a leak.

- **Low Air Pressure:** Ensure your air compressor is functioning correctly and can reach the desired pressure. Check for significant air leaks in the system.
- **Safety Valve Releasing Air:** This indicates that the tank pressure has exceeded its maximum limit. Check the pressure switch for proper operation and ensure your compressor is not over-pressurizing the system.

SPECIFICATIONS

Feature	Specification
Model	VXT3000
Brand	Vixen Horns
Capacity	3 Gallon (12 Liter)
Pressure Rating	200 PSI
Ports	7 Ports (6 x 1/4 inch NPT, 1 x 1/2 inch NPT)
Material	Alloy Steel
Color	Black
Dimensions (L x W x H)	23 x 7 x 9 inches
Item Weight	12.5 Pounds
Fit Type	Universal Fit
Compatible Vehicle Type	Bus, Truck, Van

WARRANTY AND SUPPORT

This Vixen Horns product carries a 90-day service warranty that includes parts and labor. For warranty claims, technical support, or additional product information, please contact Vixen Horns customer service or visit the official Vixen Horns store.

Visit the [Vixen Horns Store](#) for more products and support.

IMPORTANT SAFETY INFORMATION

Always observe the following safety precautions when installing and operating your air tank system:

- Do not exceed the maximum rated pressure of 200 PSI.
- Ensure all connections are secure and leak-free before operating the system.
- Never modify the safety valve. It is a critical component for preventing over-pressurization.
- Wear appropriate eye protection when working with compressed air systems.
- Keep hands and body clear of air discharge points.
- Regularly inspect the tank for signs of damage, rust, or corrosion. Discontinue use if any damage is found.
- This product is intended for automotive applications. Do not use for purposes other than those specified.

PRODUCT VIDEO

Your browser does not support the video tag.

Official product video showcasing the Vixen Horns 3 Gallon Air Tank Kit (VXT3000) and its components, including the pressure gauge, pressure switch, and various fittings.

ASK A QUESTION ABOUT THIS MANUAL

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