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## GERCHWAY Classic style

# GERCHWAY Tire Inflator with Pressure Gauge (100 PSI, Classic Style)

Instruction Manual

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the safe and effective use of your GERCHWAY Tire Inflator with Pressure Gauge. This device is designed for accurate tire pressure measurement, inflation, and deflation, ensuring optimal tire performance and safety.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions when operating the tire inflator:

- Read and understand all instructions before use.
- Wear appropriate eye protection during operation.
- Ensure the air compressor is turned off and depressurized before connecting or disconnecting the inflator.
- Do not exceed the maximum pressure rating of the tire or the inflator.
- Keep children and unauthorized personnel away from the work area.
- Inspect the inflator and hose for damage before each use. Do not use if damaged.
- Avoid directing compressed air at yourself or others.

## 3. WHAT'S IN THE BOX

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Verify that all components are present:

- GERCHWAY Tire Inflator with Pressure Gauge and Longer Hose
- Dual Head Air Chuck
- ¼ NPT Quick-Connector
- Teflon Tape Roll
- Valve Caps



Figure 1: GERCHWAY Tire Inflator with Pressure Gauge and included accessories, including the main unit, dual head air chuck, quick-connector, Teflon tape, and valve caps.

#### 4. SETUP

1. **Connect the Quick-Connector:** Apply Teflon tape to the threads of the ¼ NPT quick-connector. Screw the quick-connector securely into the air inlet of the tire inflator.
2. **Connect to Air Compressor:** Attach the quick-connector on the inflator to your air compressor's output hose.

Ensure a secure connection to prevent air leaks.



**RELIABLE & BUILT TO LAST**

- ✓ Add Air
- ✓ Check Pressure
- ✓ Deflate Tires

Connects to Air Compressor Outputs  
1/4" NPT fitting included

Figure 2: A person connecting the tire inflator to an air compressor hose, demonstrating the universal compatibility with 1/4 NPT outputs.

3. **Attach Air Chuck to Tire Valve:** The inflator comes with a secure air chuck designed for a tight seal. For standard valves, simply press the chuck onto the tire valve stem. The 360° swivel air chuck allows for easy access to valve stems from various angles.

# IMPROVED LEAKS PROTECTION

360°



With a Longer Flexible Hose and an Improved Swivel Air Chuck, You Get a Strong Valve Seal



Figure 3: A close-up view of a hand attaching the 360° swivel air chuck to a tire valve, highlighting the secure and flexible connection.

For truck tires or hard-to-reach inner valves, utilize the included dual head air chuck by screwing it onto the hose end. This removable air chuck provides versatility for various tire types.



Figure 4: Illustration of the dual head air chuck, demonstrating its use for both outer and inner valves on truck tires.

## 5. OPERATING INSTRUCTIONS

### 5.1. Checking Tire Pressure

With the air chuck securely attached to the tire valve, the pressure gauge will display the current tire pressure. The gauge is designed for high accuracy, especially for tires typically running between 35 to 50 PSI, with an optimal range up to 100 PSI and an accuracy of  $\pm 2$  PSI (2% FS).

# PRECISION YOU TRUST

<b>Range:</b>	5–100 PSI
<b>Accuracy:</b>	±2 %
<b>Resolution:</b>	1 PSI
<b>Units:</b>	PSI

## LAB-VERIFIED ACCURACY



Figure 5: A close-up of the analog pressure gauge, showing its range (5-100 PSI), accuracy ( $\pm 2\%$ ), resolution (1 PSI), and units (PSI).

## 5.2. Inflating Tires

Once the air chuck is connected, press the trigger on the inflator handle to begin adding air. Monitor the pressure gauge until the desired PSI is reached. Release the trigger to stop inflation.

## 5.3. Deflating Tires

If a tire is over-inflated, use the integrated bleed valve (typically a small button or lever near the trigger) to release air until

the correct pressure is achieved. The gauge will provide real-time readings during deflation.

#### 5.4. Glow-in-the-Dark Feature

The analog gauge features a glow-in-the-dark dial, allowing for easy readability in low-light conditions without the need for batteries.

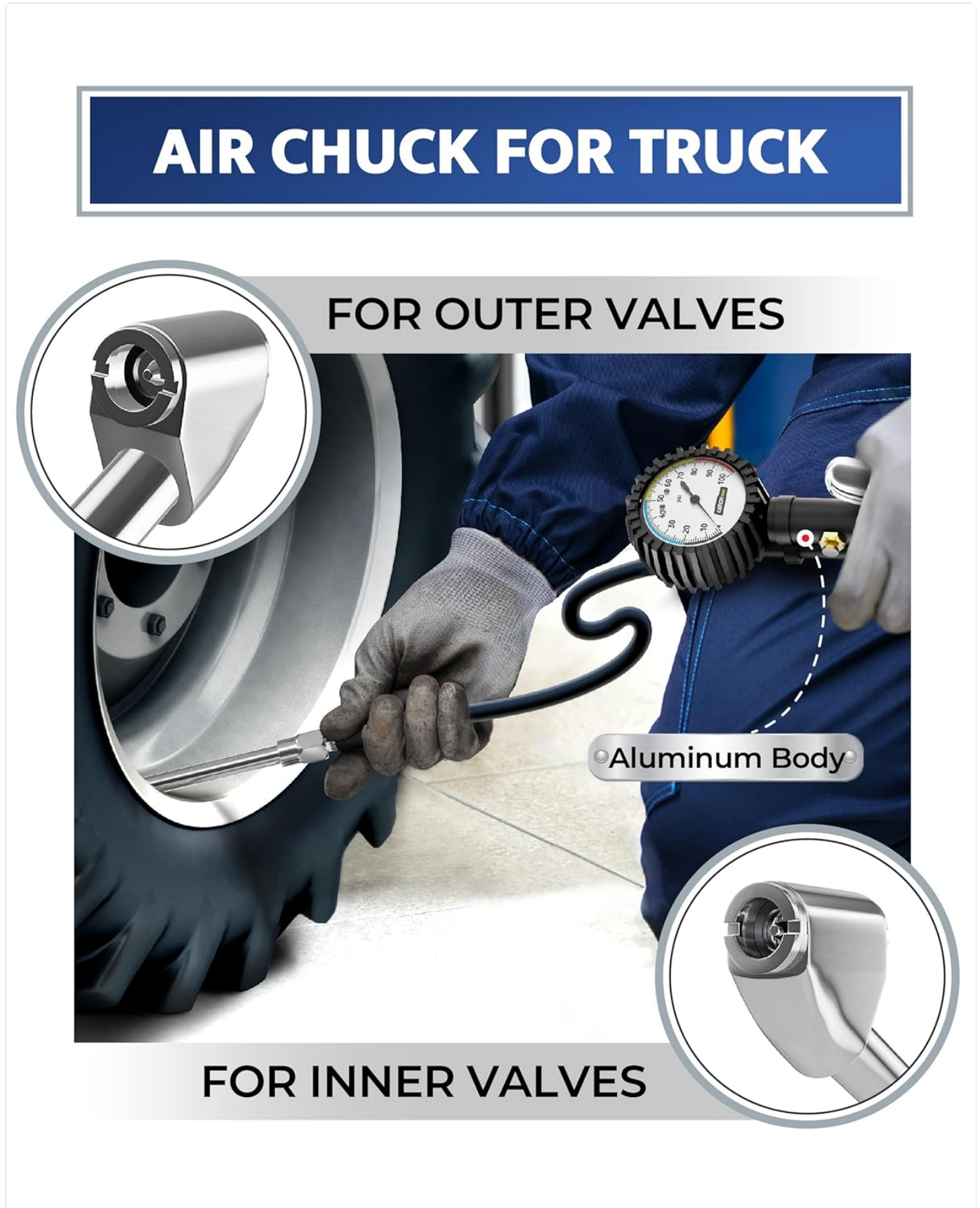


Figure 6: The tire inflator's gauge illuminated by its glow-in-the-dark feature, ensuring visibility in dark environments without external power.

## 6. MAINTENANCE

- **Cleaning:** Wipe the inflator with a clean, dry cloth after each use. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the inflator in a clean, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Regularly check the hose and connections for any signs of wear, cracks, or leaks. Replace damaged components immediately.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Air leaks from connection points	Loose connection, worn O-rings, insufficient Teflon tape.	Ensure all connections are tight. Replace O-rings if worn. Reapply Teflon tape to threaded connections.
Inaccurate pressure reading	Gauge malfunction, improper connection to valve stem.	Ensure the air chuck is fully seated on the valve stem. If issues persist, contact customer support.
Cannot inflate tire	No air from compressor, blocked hose/chuck, tire valve issue.	Check air compressor operation. Inspect hose and chuck for obstructions. Verify tire valve is not damaged.

## 8. SPECIFICATIONS

- **Brand:** GERCHWAY
- **Model:** Classic style
- **Pressure Range:** 0-100 PSI
- **Accuracy:**  $\pm 2$  PSI (2% FS)
- **Hose Length:** 20 inches (Flexible, Reinforced Rubberized)
- **Compatibility:** Universal with  $\frac{1}{4}$  NPT compressor outputs
- **Material:** Brass (fittings), Sturdy materials (overall construction)
- **Product Dimensions:** 9 x 4 x 1.25 inches
- **Item Weight:** 1 Pound

## 9. CUSTOMER SUPPORT

For any questions, concerns, or technical assistance, please contact GERCHWAY customer support through the retailer's platform or the official brand website.