

## PerGar ST000404

# PerGar 4 Holes Air Compressor Regulator with Gauge

MODEL: ST000404

## 1. Introduction

This manual provides comprehensive instructions for the safe and efficient use of your PerGar 4 Holes Air Compressor Regulator with Gauge. Please read this manual thoroughly before installation and operation to ensure proper function and to prevent damage to the unit or connected equipment. Retain this manual for future reference.

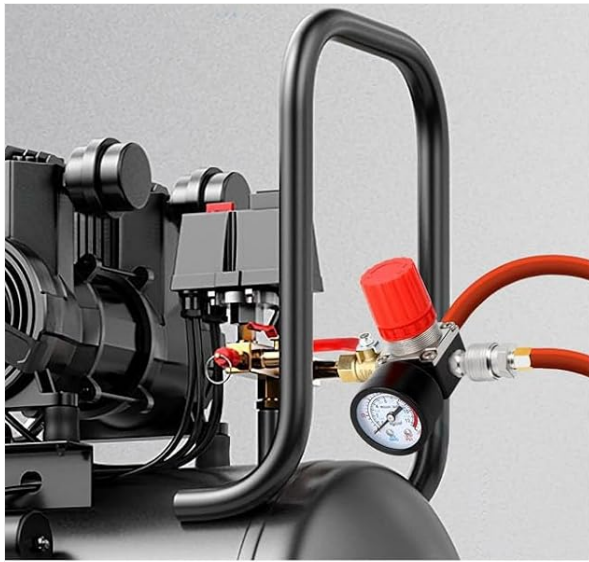
## 2. Product Overview and Features

The PerGar 4 Holes Air Compressor Regulator is designed to provide accurate gas flow regulation and precise pressure measurement for compressed air systems and pneumatic tools. Its robust construction ensures durability and reliable performance.

- **Easy Pressure Adjustment:** Features a plastic adjustment knob for smooth and easy flow settings, allowing simple adjustment and maintenance of desired pressure levels.
- **Accurate Gas Flow Regulation:** Provides precise and accurate measurement of gases, ensuring reliable and consistent pressure regulation for optimal performance.
- **Clear and Easy-to-Read Gauge:** Equipped with a 0-180 PSI dial gauge for effortless monitoring and adjustment of pressure values, offering a clear display for convenient and accurate readings.
- **Durable and Reliable Construction:** Crafted with an aluminum valve body, offering high strength and corrosion resistance for long-lasting durability.
- **Wide Application:** Suitable for use with air compressors and various pneumatic tools.



Figure 2.1: Main view of the PerGar 4 Holes Air Compressor Regulator, showing the red adjustment knob, pressure gauge, and various connectors.



**Easy To Read**

**Equipped with a 0-180Psi micrometer that makes adjusting pressure values a breeze.**

**Adjustment Knob**

**Allows for stable flow settings**



Figure 2.2: Close-up of the regulator highlighting the easy-to-read 0-180 PSI gauge and the adjustment knob for stable flow settings.

### 3. Package Contents

---

Upon opening the package, please verify that all components are present and undamaged:

- 1 x Regulator
- 1 x Pressure Gauge
- 1 x Double Connector
- 1 x EU Male Connector
- 1 x EU Female Connector

**Note:** Adhesive tape for sealing connections is not included and must be prepared separately by the user.

### 4. Setup and Installation

---

Follow these steps for proper installation of the air compressor regulator:

1. **Safety First:** Ensure the air compressor is turned off and depressurized before beginning installation.
2. **Identify Connections:** The regulator features a European interface. Identify the inlet and outlet ports on the regulator.
3. **Apply Sealant:** Apply appropriate thread sealant (not included) to all threaded connections to ensure an airtight seal and prevent leaks.
4. **Connect to Compressor:** Attach the regulator to the air compressor's outlet. Use the provided connectors as needed to match your system.
5. **Connect Pneumatic Tools:** Attach your pneumatic tools or air lines to the outlet of the regulator.
6. **Secure Connections:** Hand-tighten all connections, then use a wrench to tighten them securely. Do not overtighten.
7. **Leak Check:** Once installed, slowly pressurize the system and check all connections for air leaks using a soapy water solution. Bubbles indicate a leak.



Figure 4.1: Example of the air compressor regulator installed on an air compressor, demonstrating typical placement.

## Accurate Measurement

Provide accurate gas flow regulation and accurate measurement of gas



Figure 4.2: The regulator showing the direction of air flow, crucial for correct installation in the air line.

## 5. Operating Instructions

---

To operate your PerGar Air Compressor Regulator:

1. **Power On:** Turn on your air compressor and allow it to build up to its maximum pressure.
2. **Adjust Pressure:** Rotate the red adjustment knob on top of the regulator. Turning it clockwise increases the output pressure, while turning it counter-clockwise decreases the pressure.
3. **Monitor Gauge:** Observe the pressure gauge to set the desired working pressure. The gauge displays pressure in both PSI and Bar, with a range of 0-180 PSI.
4. **Stable Flow:** Once the desired pressure is set, the regulator will maintain a stable output pressure to your pneumatic tools.

## 6. Maintenance

---

Regular maintenance ensures the longevity and optimal performance of your regulator:

- **Keep Clean:** Periodically wipe down the exterior of the regulator with a clean, dry cloth. Avoid using harsh chemicals.
- **Inspect Connections:** Regularly check all air connections for tightness and signs of wear or damage. Re-tighten if necessary.
- **Check for Leaks:** Perform a leak check with soapy water periodically, especially if you notice a drop in performance or an increase in compressor run time.
- **Gauge Inspection:** Ensure the pressure gauge is clear and readable. If the gauge is damaged or provides inconsistent readings, it may need replacement.

## 7. Troubleshooting

If you encounter issues with your regulator, consider the following common problems and solutions:

| Problem                            | Possible Cause                                                                                  | Solution                                                                                                                             |
|------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| No pressure or low pressure output | Regulator knob set too low; Air supply off; Leaks in the system; Clogged filter (if applicable) | Turn adjustment knob clockwise; Ensure compressor is on and pressurized; Check for and seal leaks; Inspect and clean/replace filter. |
| Pressure fluctuates                | Inconsistent air supply; Internal regulator issue                                               | Check compressor for stable output; If problem persists, regulator may need professional inspection or replacement.                  |
| Air leaks from connections         | Loose connections; Insufficient thread sealant; Damaged threads                                 | Tighten connections; Reapply thread sealant; Inspect threads for damage and replace components if necessary.                         |
| Gauge not working or inaccurate    | Damaged gauge; Blocked gauge port                                                               | Replace the pressure gauge; Check for any obstructions in the gauge port.                                                            |

## 8. Specifications

Detailed specifications for the PerGar Air Compressor Regulator:

- **Model:** ST000404
- **Material:** Aluminum Alloy, Iron
- **Interface:** European Interface
- **Pressure Regulating Range:** 0-180 PSI
- **Item Weight:** 10.4 ounces
- **Package Dimensions:** 3.15 x 3.15 x 1.97 inches
- **Manufacturer:** PerGar



Figure 8.1: Diagram showing the approximate dimensions of the PerGar Air Compressor Regulator for reference.

## 9. Warranty and Support

For information regarding warranty coverage, technical support, or replacement parts, please contact the manufacturer, PerGar, directly through their official channels. Keep your purchase receipt as proof of purchase.

### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question