

CAMPBELL HAUSFELD RE300000AJ

Campbell-Hausfeld RE300000AJ Air Compressor Regulator Instruction Manual

Model: RE300000AJ

INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your Campbell-Hausfeld RE300000AJ Air Compressor Regulator. Please read this manual thoroughly before using the product to ensure proper function and to prevent potential hazards.

The Campbell-Hausfeld RE300000AJ Regulator is designed to fit Campbell Hausfeld, Husky, and other Sears air compressor models, featuring a universal filter style with 1/4-inch NPT threads. It is a replacement part for RE206202AV.

SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Always wear appropriate personal protective equipment (PPE), including eye protection, when working with compressed air systems.
- Ensure the air compressor is turned off and depressurized before installing, adjusting, or performing maintenance on the regulator.
- Do not exceed the maximum operating pressure specified for the regulator and your air compressor system.
- Inspect the regulator and all connections regularly for signs of wear, damage, or leaks. Replace damaged components immediately.
- Use only genuine replacement parts or parts approved by Campbell Hausfeld.
- Keep children and unauthorized personnel away from the work area.

PRODUCT OVERVIEW

The RE300000AJ regulator is designed to control and maintain a consistent output air pressure from your air compressor, ensuring optimal performance for your air tools and equipment.

Key Features:

- Universal filter style with 1/4-inch NPT threads.
- Compatible with Campbell Hausfeld, Husky, and other Sears models.
- In-line or modular installation full flow gauge port.
- Replaces part number RE206202AV.

Compatibility:

This regulator is compatible with the following Campbell-Hausfeld models:

- VS500102, VS500602, VS502500, VS502601, VS502701, VS503000, VS503100
- WL611107, WL650103, WL650203, WL650602, WL650704, WL651005, WL651301, WL651402, WL651900
- WL660004, WL660005, WL660102, WL660501, WL660701



Figure 1: Campbell-Hausfeld RE300000AJ Air Compressor Regulator. This image shows the compact design of the regulator with its threaded ports.

SETUP AND INSTALLATION

1. **Depressurize System:** Before beginning installation, ensure your air compressor is turned off and completely depressurized. Disconnect the compressor from its power source.
2. **Remove Old Regulator (if applicable):** If replacing an existing regulator, carefully disconnect it from the air line. Note the direction of airflow.
3. **Prepare Threads:** Apply thread sealant tape (PTFE tape) or pipe thread compound to the 1/4-inch

NPT threads of the new regulator and any connecting fittings. Wrap the tape clockwise around the threads for a proper seal.

4. **Install Regulator:** Thread the regulator into the air line connection. Ensure the airflow direction arrow on the regulator (if present) matches the direction of air flow from the compressor. Tighten securely with a wrench, but do not overtighten, as this can damage the threads.
5. **Install Gauge (Optional):** If using an external pressure gauge, install it into the designated gauge port on the regulator. Apply thread sealant as needed.
6. **Check for Leaks:** Once installed, reconnect the compressor to its power source and slowly pressurize the system. Apply a soapy water solution to all connections. Bubbles indicate a leak, which must be tightened or re-sealed before operation.

OPERATING INSTRUCTIONS

1. **Turn On Compressor:** Start your air compressor and allow it to build up to its maximum tank pressure.
2. **Adjust Pressure:** Locate the adjustment knob or screw on the regulator. Turn the knob clockwise to increase the output pressure and counter-clockwise to decrease it. Observe the pressure gauge (if installed) to set the desired working pressure for your air tools or application.
3. **Lock Setting (if applicable):** Some regulators have a locking mechanism (e.g., a pull-up/push-down knob). If present, push the knob down after setting the desired pressure to lock it in place and prevent accidental changes.
4. **Monitor Pressure:** Periodically check the pressure gauge during operation to ensure the regulator is maintaining the set pressure.
5. **Depressurize After Use:** After completing your work, turn off the air compressor and depressurize the air lines and tools.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your air compressor regulator.

- **Daily/Before Each Use:**
 - Check for visible damage or leaks.
 - Ensure the adjustment knob operates smoothly.
- **Weekly/Monthly:**
 - Inspect all connections for tightness.
 - If the regulator includes a filter, check and drain any accumulated moisture from the filter bowl. Refer to your compressor's manual for specific filter maintenance.
- **Annually/As Needed:**
 - Consider replacing internal seals or the entire regulator if consistent pressure regulation issues or persistent leaks occur.

Note: Always depressurize the system before performing any maintenance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Air leaks around connections.	Loose fittings, insufficient thread sealant, damaged threads.	Tighten connections. Reapply thread sealant. Inspect threads for damage and replace if necessary.
Regulator not holding pressure.	Internal seal damage, debris in regulator, faulty diaphragm.	Depressurize and inspect for debris. If problem persists, replacement may be necessary.
Cannot adjust pressure.	Adjustment knob stuck, internal mechanism failure.	Ensure knob is not locked. If stuck, do not force; replacement may be needed.
Low airflow through regulator.	Clogged filter (if integrated), regulator set too low, internal obstruction.	Check and clean/drain filter. Increase pressure setting. Inspect for obstructions.

SPECIFICATIONS

- **Model:** RE300000AJ
- **Brand:** CAMPBELL HAUSFELD
- **Thread Size:** 1/4-inch NPT
- **Item Weight:** 159 g
- **Included Components:** Filter (as part of the regulator assembly)
- **Special Features:** Lightweight, In-line or modular installation full flow gauge port
- **Replaces Part No.:** RE206202AV

WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation provided with your original purchase or visit the official Campbell Hausfeld website. Keep your purchase receipt as proof of purchase for warranty claims.

For technical assistance, replacement parts, or further inquiries, please contact Campbell Hausfeld customer support. Contact details can typically be found on the manufacturer's website or product packaging.

Website: www.campbellhausfeld.com