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## Sourcefy GR-130A-LPG

# Sourcefy GR-130A-LPG Propane Gas Regulator Instruction Manual

Model: GR-130A-LPG

## INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your Sourcefy GR-130A-LPG Propane Gas Regulator. This regulator is designed to manage propane gas pressure for compatible vent-free heating systems, ensuring stable and efficient performance. Please read this manual thoroughly before installation or use and retain it for future reference.

## SAFETY INFORMATION

**Warning:** Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment. Installation must be performed by a qualified installer, service agency, or gas supplier.

- Always shut off the gas supply at the source before performing any installation or maintenance.
- Check all gas connections for leaks using a non-corrosive leak detection solution after installation. Never use an open flame to check for leaks.
- Ensure adequate ventilation in the area where the regulator and appliance are installed.
- Do not tamper with the regulator or attempt to repair it. If damaged or faulty, replace the unit.

## SETUP AND INSTALLATION

The Sourcefy GR-130A-LPG regulator is designed for use with propane gas systems requiring an inlet pressure of 1/2 PSI and delivering an outlet pressure of 10 inches water column (W.C.). It features a 3/8" NPT inlet and a 9/16"-24 UNF outlet, making it compatible with various vent-free wall heaters, stoves, and gas log sets from brands such as GHP, Pleasant Hearth, and Kozy World.

1. **Prepare the Area:** Ensure the gas supply is turned off at the main tank or valve. Clear the installation area and ensure proper ventilation.
2. **Identify Ports:** Locate the 3/8" NPT inlet port and the 9/16"-24 UNF outlet port on the regulator. The regulator may have an arrow indicating gas flow direction.
3. **Connect Inlet:** Connect the gas supply line (1/2 PSI propane) to the 3/8" NPT inlet port. Use appropriate thread sealant (e.g.,

PTFE tape or pipe dope suitable for gas) on the male threads. Tighten connections securely but do not overtighten.

4. **Connect Outlet:** Connect the appliance's gas line to the 9/16"-24 UNF outlet port. Use appropriate thread sealant on the male threads. Tighten connections securely.
5. **Leak Test:** Once all connections are made, slowly turn on the main gas supply. Apply a non-corrosive leak detection solution to all connections. Bubbles indicate a leak. If a leak is detected, turn off the gas supply immediately, tighten the connection, and re-test. Repeat until no leaks are present.
6. **Mounting (Optional):** If desired, the regulator can be mounted using appropriate brackets and fasteners (not included) in a location that protects it from physical damage and extreme weather, while allowing for easy access and ventilation.



**Figure 1:** Angled view of the Sourcefy GR-130A-LPG Propane Gas Regulator, showing its overall design and connection points. This image provides a general perspective of the unit.



**Figure 2:** Side view of the regulator, highlighting the 3/8" NPT inlet and 9/16"-24 UNF outlet ports. This view is crucial for identifying the correct connections during installation.

## OPERATING INSTRUCTIONS

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Once properly installed and leak-tested, the Sourcefy GR-130A-LPG regulator operates automatically to maintain a consistent gas pressure for your connected appliance. It is a passive device that does not require manual adjustment during normal operation.

- Ensure the gas supply valve to the regulator is fully open.
- Operate your connected propane appliance according to its specific instruction manual.
- The regulator will automatically reduce the incoming 1/2 PSI propane pressure to a stable 10 inches W.C. for optimal appliance performance.

## MAINTENANCE

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Regular maintenance helps ensure the longevity and safe operation of your regulator.

- **Periodic Inspection:** Annually inspect the regulator and all gas connections for signs of wear, corrosion, or damage. Check for any visible leaks using a leak detection solution.
- **Cleaning:** Keep the exterior of the regulator clean. Wipe with a damp cloth as needed. Do not use abrasive cleaners or solvents, as these can damage the finish or internal components.
- **Ventilation:** Ensure that the area around the regulator remains clear and well-ventilated to prevent heat buildup and allow for proper operation.
- **Professional Check:** It is recommended to have a qualified gas technician inspect your gas system, including the regulator, periodically.

## TROUBLESHOOTING

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If you experience issues with your gas appliance that you suspect are related to the regulator, consider the following troubleshooting steps:

- **No Gas Flow or Low Pressure:**
  - Ensure the main propane tank valve is fully open.
  - Check if the propane tank is empty.
  - Perform a leak test on all connections. Tighten any leaking connections.
  - Inspect the gas lines for kinks or obstructions.
- **Inconsistent Appliance Performance:**
  - Verify that the inlet pressure to the regulator is stable at 1/2 PSI.
  - Ensure the regulator is not exposed to extreme temperatures or physical stress.
- **Visible Damage or Unusual Noises:**
  - If the regulator shows signs of physical damage, corrosion, or emits unusual sounds (e.g., whistling, hissing), turn off the gas supply immediately.
  - Do not attempt to repair the regulator. It must be replaced by a qualified technician.

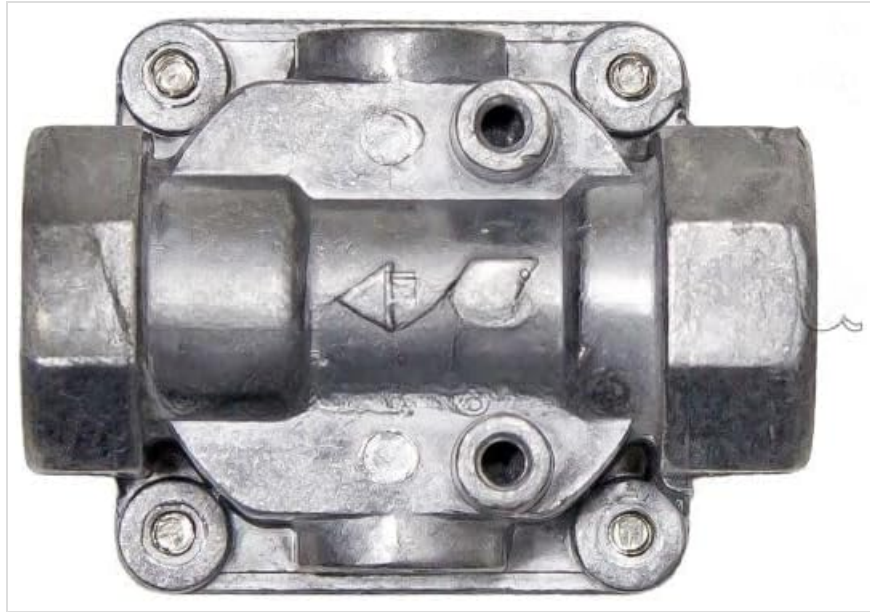
If troubleshooting steps do not resolve the issue, contact a qualified gas technician or the manufacturer for assistance.

## SPECIFICATIONS

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<b>Model Number</b>	GR-130A-LPG
<b>Fuel Type</b>	Propane

<b>Inlet Pressure</b>	1/2 PSI
<b>Outlet Pressure</b>	10 inches Water Column (W.C.)
<b>Inlet Port Size</b>	3/8" NPT
<b>Outlet Port Size</b>	9/16"-24 UNF
<b>Item Weight</b>	6 ounces
<b>Manufacturer</b>	Sourcefy



**Figure 3:** Top view of the regulator, clearly displaying the model number (GR-130A-LPG) and specified inlet/outlet pressures on its label.

## WARRANTY

This Sourcefy GR-130A-LPG Propane Gas Regulator comes with a **6 Months Unlimited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For warranty claims or further details, please contact your retailer or the manufacturer.

## SUPPORT

For technical assistance, replacement parts, or any questions regarding the Sourcefy GR-130A-LPG Propane Gas Regulator, please contact the retailer where the product was purchased or refer to the manufacturer's official website for support contact information. Always ensure that any service or repair is performed by a qualified professional.