

Sourcefy NRV82FB.9

Sourcefy NRV82FB.9 Propane Regulator Instruction Manual

Model: NRV82FB.9

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1. INTRODUCTION

This instruction manual provides essential information for the safe and effective installation, operation, and maintenance of the Sourcefy NRV82FB.9 Propane Regulator. Please read this manual thoroughly before installation or use and retain it for future reference. This regulator is designed for use with propane gas (LPG) heating appliances.

2. 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 service agency in accordance with all local codes and regulations.
- Ensure the gas supply is turned off before attempting any installation or maintenance.
- Check for gas leaks after installation using a soap solution. Never use an open flame.
- Do not use this regulator for any purpose other than its intended use with propane gas appliances.
- Verify that the regulator's pressure rating matches the requirements of the appliance it is connected to.

3. PRODUCT OVERVIEW

The Sourcefy NRV82FB.9 Propane Regulator is a high-quality component designed to regulate propane gas pressure for various heating appliances. It is manufactured with durable materials and undergoes rigorous pressure and computer testing to ensure consistent quality and reliability.

This regulator is suitable for use with propane gas (LPG) fireplaces, gas log sets, wall heaters, and stoves, including direct vent fireplaces, vent-free gas log sets, and free-standing vent-free gas stoves.

3.1. Regulator Components



Figure 1: Angled view of the Sourcefy NRV82FB.9 Propane Regulator, highlighting the inlet, outlet, and pressure adjustment cap.



Figure 2: Close-up view of the regulator, displaying the 'PROCOM' and 'RV82FB' model markings.

- **Inlet Port:** Connects to the propane gas supply line.
- **Outlet Port:** Connects to the appliance gas inlet.
- **Pressure Adjustment Cap:** Used for setting the output pressure (typically factory set).
- **Mounting Points:** For securing the regulator in place.

3.2. Compatibility

The NRV82FB.9 Propane Regulator is compatible with, but not limited to, the following Kozy World heater models:

- GFP4036R
- GFP4038R
- GFP4228R
- SS320RHL
- ML200EB
- ML300EB

4. INSTALLATION

IMPORTANT: Installation should only be performed by a qualified professional. Ensure all local and national codes are followed.

1. **Turn off Gas Supply:** Locate the main gas shut-off valve for the propane system and turn it to the "OFF" position.
2. **Ventilation:** Ensure the installation area is well-ventilated.
3. **Remove Old Regulator (if applicable):** Carefully disconnect the existing regulator from the gas supply line and the appliance, noting the direction of gas flow.
4. **Inspect New Regulator:** Examine the Sourcefy NRV82FB.9 regulator for any signs of damage. Do not install if damaged.
5. **Apply Pipe Thread Sealant:** Apply an appropriate gas-rated pipe thread sealant to the male threads of the gas lines connecting to the regulator. Do not apply sealant to the female threads or inside the regulator ports.
6. **Connect Regulator:**
 - Connect the inlet side of the regulator to the gas supply line. The regulator typically has an arrow indicating the direction of gas flow. Ensure it points towards the appliance.
 - Connect the outlet side of the regulator to the appliance's gas inlet.



Figure 3: Side view illustrating the threaded inlet and outlet ports for connection.

7. **Tighten Connections:** Use appropriate wrenches to securely tighten all connections. Do not overtighten.
8. **Mount Regulator:** Secure the regulator to a stable surface using its mounting points, if necessary, to prevent strain on the gas lines.
9. **Check for Leaks:**

- Slowly turn on the main gas supply.
- Apply a soap and water solution to all connections. Bubbles indicate a gas leak.
- If a leak is detected, turn off the gas supply immediately, tighten the connection, and re-test. If the leak persists, contact a qualified professional.

10. **Test Appliance:** Once no leaks are detected, test the appliance according to its manufacturer's instructions.

5. OPERATION

The Sourcefy NRV82FB.9 Propane Regulator is a passive device that automatically maintains a consistent gas pressure to your appliance. Once properly installed and the gas supply is turned on, it will regulate the pressure without further user intervention.

- Ensure the gas supply valve is fully open during appliance operation.
- Do not attempt to adjust the regulator's factory-set pressure unless you are a qualified technician with the proper tools and knowledge. Improper adjustment can lead to unsafe operating conditions.

6. MAINTENANCE

The Sourcefy NRV82FB.9 Propane Regulator requires minimal maintenance. Regular inspection is recommended to ensure safe and efficient operation.

- **Annual Inspection:** It is recommended to have the regulator and entire gas system inspected annually by a qualified service technician.
- **Visual Check:** Periodically inspect the regulator and connections for any signs of physical damage, corrosion, or leaks (using a soap solution).
- **Cleaning:** Keep the regulator free from dirt, dust, and debris. Do not use harsh chemicals for cleaning.
- **Replacement:** Regulators have a finite lifespan. Consult with a qualified professional regarding recommended replacement intervals, typically every 10-15 years, or sooner if damage or malfunction is observed.

7. TROUBLESHOOTING

If you experience issues with your gas appliance, the regulator may be a contributing factor. Always ensure the gas supply is turned off before inspecting components.

Problem	Possible Cause	Solution
No gas flow to appliance.	Gas supply valve closed. Regulator clogged or failed. Gas line obstruction.	Open gas supply valve. Inspect regulator for damage or blockage. Replace if necessary. Contact a qualified technician to inspect gas lines.
Low gas pressure to appliance.	Partially closed gas supply valve. Regulator malfunction. Incorrect regulator size for appliance.	Ensure gas supply valve is fully open. Replace regulator if suspected faulty. Verify regulator specifications match appliance requirements.
Gas leak detected (soap solution bubbles).	Loose connection. Damaged regulator or gas line.	Turn off gas. Tighten connections. Re-test. Turn off gas. Do not use. Contact a qualified technician for inspection and repair/replacement.

If troubleshooting steps do not resolve the issue, or if you are unsure about any procedure, contact a qualified gas appliance

service technician.

8. SPECIFICATIONS

Model Number	NRV82FB.9
Manufacturer	Sourcefy
Fuel Type	Propane (LPG)
Item Weight	1 pound
Compatible Heater Models	GFP4036R, GFP4038R, GFP4228R, SS320RHL, ML200EB, ML300EB
Pressure Rating	1/2 PSIG (e.g., 9.0" WC output pressure, verify on unit)

9. WARRANTY INFORMATION

The Sourcefy NRV82FB.9 Propane Regulator comes with a **6 Months Unlimited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service. For warranty claims or further details, please contact Sourcefy customer support.

10. CUSTOMER SUPPORT

For technical assistance, questions regarding installation, or warranty inquiries, please contact Sourcefy customer support. Refer to your purchase documentation for specific contact details or visit the official Sourcefy website.

Online Resources: [Sourcefy](#) [Amazon Store](#)

