

BESTFIRE BFSGB01-A

BESTFIRE 100,000 BTU High Pressure Single Propane Burner

Model: BFSGB01-A

Your guide to safe and efficient outdoor cooking.

1. SAFETY INFORMATION

WARNING: For Outdoor Use Only.

- Always operate the burner on a stable, level, non-combustible surface.
- Keep the fuel supply hose away from any heated surfaces.
- Ensure adequate ventilation. Never use indoors or in enclosed spaces.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Check all gas connections for leaks using a soapy water solution before each use. Bubbles indicate a leak.
- Keep children and pets away from the burner during operation.
- Always install the heat shield during use to prevent flame flashovers.
- Do not move the appliance while in operation or when hot. Allow to cool to 115°F (45°C) before moving or storing.

2. PRODUCT OVERVIEW

The BESTFIRE 100,000 BTU High Pressure Single Propane Burner is designed for robust outdoor cooking. Constructed from durable cast iron, it features a high heat output suitable for various culinary tasks, from boiling seafood to frying turkeys. The unit includes a 4.1-foot adjustable hose with

a 0-20 PSI regulator for precise flame control and safe operation.



Image: BESTFIRE Propane Burner in operation, showcasing its powerful blue flame.

Key Features:

- **High Heat Output:** Up to 100,000 BTUs for rapid heating.
- **Durable Construction:** Made from heavy-duty cast iron for longevity.
- **Adjustable Regulator:** 0-20 PSI regulator with a 4.1 ft hose for precise gas flow control.
- **Heat Shields:** Top and bottom heat shields protect components and surfaces.
- **CSA Approved:** Ensures safety and quality standards.

3. COMPONENTS

The BESTFIRE Propane Burner includes the following components:

- Cast Iron Burner Frame
- Cast Iron Burner Head

- Heat Shield (Top and Bottom)
- 4.1 ft Adjustable Hose with 0-20 PSI Regulator (CSA Approved)
- Assembly Screws and Nuts
- Match Holder (for safe ignition)



Image: Detailed view of the burner's components, highlighting the heat shield, sturdy support, and cast iron burner head.

4. SETUP INSTRUCTIONS

Follow these steps to assemble your BESTFIRE Propane Burner:

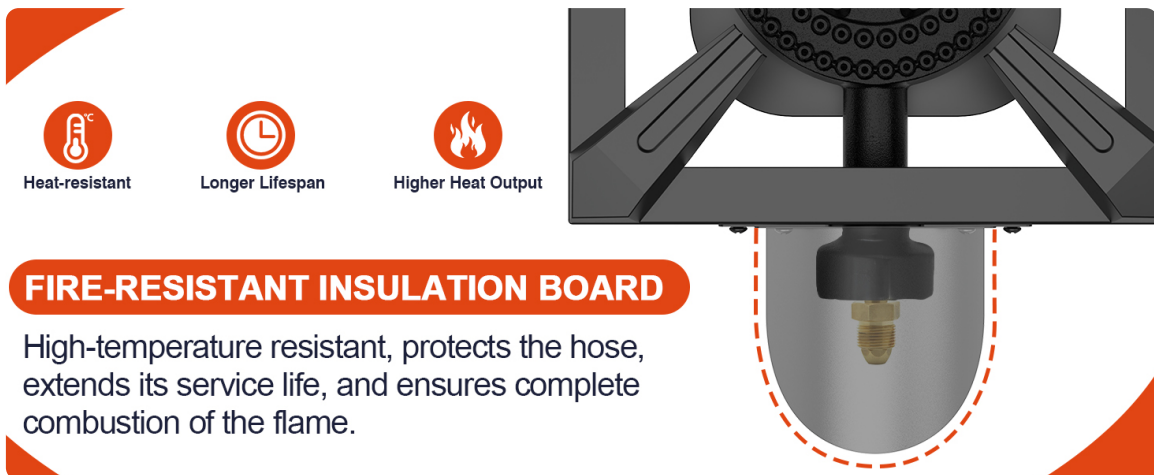
1. **Attach Legs to Frame:** Secure the four legs to the main burner frame using the provided screws and nuts. Ensure all connections are tight for stability.
2. **Install Burner Head:** Place the cast iron burner head into the center of the frame.
3. **Secure Heat Shields:** Attach the top and bottom heat shields using the designated screws. The bottom heat shield protects the hose connection from direct heat.
4. **Connect Hose and Regulator:**
 - Tighten the adapter and assemble the damper adjustment to the burner's gas intake.

- Secure the baffle plate above the burner with a screwdriver.
- Secure the burner and propane regulator with a hexagonal wrench.
- Connect the 4.1 ft hose with the 0-20 PSI regulator to the burner's gas intake. Ensure a secure, leak-free connection.
- Connect the other end of the hose to a standard 20 lb propane tank (QCC-1 connection).



BLUE FLAME ADJUSTABLE

Image: Step 1 of assembly: Tightening the adapter and assembling the damper adjustment.



FIRE-RESISTANT INSULATION BOARD

High-temperature resistant, protects the hose, extends its service life, and ensures complete combustion of the flame.

Image: Step 2 of assembly: Securing the baffle plate above the burner.



Image: Step 3 of assembly: Securing the burner and propane regulator.

5. OPERATING INSTRUCTIONS

1. **Leak Test:** Before first use and after any disconnection, perform a leak test. Apply a soapy water solution to all connections. If bubbles appear, tighten connections and retest. Do not use if leaks persist.
2. **Connect Propane Tank:** Ensure the regulator is securely attached to the propane tank. Slowly open the main valve on the propane tank.
3. **Ignition:** Use a long lighter or the provided match holder to ignite the burner. Slowly turn the regulator knob to allow gas flow while igniting.
4. **Adjust Flame:** Use the red knob on the regulator to adjust the gas pressure (0-20 PSI) and control the flame intensity. A blue flame indicates efficient combustion.
5. **Adjust Air-in Control Valve:** The air-in control valve on the burner's gas intake allows you to regulate the gas-oxygen ratio for optimal combustion efficiency. Adjust as needed to achieve a stable blue flame.
6. **Turning Off:** First, turn off the gas flow at the propane tank valve. Allow the flame to extinguish, then turn the regulator knob to the 'OFF' position.

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Video: Demonstration of the BESTFIRE 100,000 BTUs Propane Burner in operation, showing flame adjustment.

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Video: Overview of the Single Propane Stove, including setup and initial flame.

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Video: Another view of the 100,000 BTUs Propane Burner in action, demonstrating its power.

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Video: High Pressure Propane Stove in use, highlighting its robust flame for cooking.

6. MAINTENANCE

- **Cleaning:** Allow the burner to cool completely before cleaning. Wipe down the cast iron frame and burner head with a damp cloth. For stubborn residue, use a mild detergent and rinse thoroughly.
- **Storage:** Store the burner in a dry, protected area when not in use. Disconnect the propane tank and store it separately in a well-ventilated area.
- **Inspection:** Regularly inspect the hose and connections for any signs of wear, cracks, or damage. Replace damaged parts immediately.

7. TROUBLESHOOTING

- **Burner Not Igniting:**
 - Ensure the propane tank valve is fully open.

- Check for gas flow by listening for a hiss or performing a leak test.
 - Verify the regulator knob is in the 'ON' position.
 - Adjust the air-in control valve; sometimes closing the vent slightly can aid ignition.
- **Weak or Inconsistent Flame:**
 - Check propane tank level; a low tank can result in weak flame.
 - Adjust the regulator to increase gas pressure.
 - Clean the burner ports if they appear clogged.
 - Ensure the air-in control valve is properly adjusted for optimal gas-oxygen mix.
 - **Flame Blowing Out in Wind:** The burner is designed with a heat shield to help mitigate wind effects. Ensure the heat shield is properly installed. Consider using additional windbreaks if operating in very windy conditions.

8. SPECIFICATIONS

Feature	Detail
Brand	BESTFIRE
Model Number	BFSGB01-A
Heat Output	100,000 BTUs
Fuel Type	Propane
Material	Cast Iron
Hose Length	4.1 ft
Regulator	Adjustable 0-20 PSI (CSA Approved)
Product Dimensions	10"L x 10"W x 5"H
Item Weight	6 Pounds

9. WARRANTY AND SUPPORT

BESTFIRE products are designed for durability and performance. For any questions, concerns, or warranty claims, please refer to the contact information provided at the point of purchase or visit the official BESTFIRE website.

If you received a product without an instruction manual, please contact customer support immediately for an electronic version.

Thank you for choosing BESTFIRE for your outdoor cooking needs.

