

HPC FPPK18-SQ-FLEX-NG

HPC FPPK18-SQ-FLEX-NG Fire Pit Burner Kit Instruction Manual

Push Button Flame Sensing Fire Pit Burner Kit, 18x18-Inch Flat Pan, Natural Gas

1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your HPC FPPK18-SQ-FLEX-NG Push Button Flame Sensing Fire Pit Burner Kit. This kit is designed for natural gas applications and features a battery-powered spark ignition system with an automatic flame sensor for enhanced safety and convenience. Please read all instructions thoroughly before installation and use.

2. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- This appliance must be installed by a qualified installer, service agency, or gas supplier.
- For outdoor use only. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Ensure adequate ventilation. Do not obstruct the flow of combustion and ventilation air.
- Keep children and pets away from the fire pit during operation and while cooling down.
- Never leave the fire pit unattended when in use.
- Always turn off the gas supply when the fire pit is not in use.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (California Proposition 65).

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- 18x18-inch Square Flat Pan

- Penta Shaped Burner (304 Stainless Steel)
- Sealed Control Box with Push Button Spark Ignition and Automatic Flame Sensor
- Flexible Gas Line (36-inch between valve and burner)
- All necessary fittings for assembly

4. SETUP AND INSTALLATION

Professional installation by a certified gas technician is highly recommended for all gas appliances to ensure safety and compliance with local codes.

4.1. Pre-Installation

- Ensure the fire pit enclosure is constructed from non-combustible materials and provides adequate ventilation.
- Confirm the natural gas supply line is properly sized and accessible.
- For detailed 3D assembly instructions, download the BILT app and search for HPC products.



Image: Screenshot showing the BILT app interface for 3D assembly instructions. The app provides interactive guides for product setup.

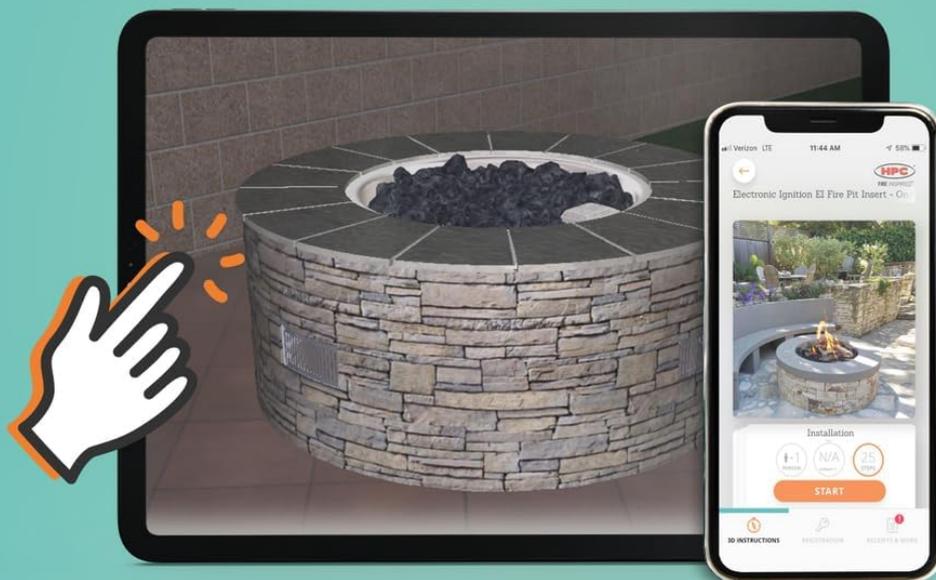
4.2. Burner and Pan Assembly

1. Carefully place the square flat pan into the designated opening of your fire pit enclosure.
2. Position the penta shaped burner within the pan. The burner is pre-assembled to the pan with the control box.
3. Ensure the control box is securely mounted and accessible for operation and maintenance.

FOR QUICK & EASY ASSEMBLY

FIND 3D INSTRUCTIONS FOR THIS PRODUCT IN

BILT.®



DOWNLOAD THE **FREE** APP & SEARCH FOR **HPC**
TO FIND THIS PRODUCT



Image: Close-up view of the HPC penta shaped burner integrated with the square flat pan and the attached control box. This shows the pre-assembled components.

4.3. Gas Line Connection

1. Connect the flexible gas line from the control box to your natural gas supply. Use appropriate gas-rated sealant on all threaded connections.
2. Ensure all gas connections are tight and leak-free. Perform a leak test using a soap and water solution. Do not use an open flame to check for leaks.
3. The kit includes a 36-inch flex line between the valve and burner for flexible installation.



Image: Detail of a gas line connection, possibly showing a mesh filter or protective sleeve around the connection point, ensuring secure gas flow.



Image: A natural gas hose with a regulator, illustrating the components used for connecting the fire pit to the gas supply.

5. OPERATING INSTRUCTIONS

This fire pit burner kit features a user-friendly push-button ignition system with an integrated flame sensor.

5.1. Lighting the Fire Pit

1. Ensure the gas supply valve to the fire pit is open.
2. Locate the control panel, typically integrated with the burner pan.
3. Press and hold the IGNITER button while simultaneously turning the MAIN BURNER knob to the 'ON' position.
4. Continue to hold the IGNITER button until the pilot light ignites and the main burner flames are established. Release the button once the flame is stable.
5. Adjust the flame height using the MAIN BURNER knob as desired.



Image: Close-up of the HPC fire pit control panel, showing the 'IGNITER' push button and the 'MAIN BURNER' control knob for adjusting flame intensity.

5.2. Flame Sensing Feature

The automatic flame sensor will continuously monitor the flame. If the flame is extinguished for any reason (e.g., strong wind), the sensor will automatically close the gas valve, preventing gas leakage. To re-ignite, follow the lighting instructions after ensuring the area is clear of gas fumes.

5.3. Shutting Down the Fire Pit

1. Turn the MAIN BURNER knob to the 'OFF' position.

2. Close the main gas supply valve to the fire pit.
3. Allow the fire pit and surrounding area to cool completely before covering or storing.



Image: An HPC fire pit in active operation, displaying vibrant flames over fire media, set in an outdoor patio environment.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your fire pit burner kit.

- **Cleaning:** Periodically clean the burner ports and pan to remove debris, dust, or insect nests that may obstruct gas flow. Use a soft brush and mild soap solution. Ensure all components are dry before use.
- **Inspections:** Annually inspect all gas connections, hoses, and the burner for signs of wear, damage, or leaks. Replace any damaged components immediately.
- **Battery Replacement:** The spark ignition system is battery-powered. If ignition becomes inconsistent, replace the battery in the control box according to the manufacturer's instructions.
- **Storage:** When not in use for extended periods, cover the fire pit to protect it from weather elements. Ensure the gas supply is turned off.

7. TROUBLESHOOTING

Refer to the following common issues and solutions. For problems not listed, contact a qualified service technician.

Problem	Possible Cause	Solution
Burner does not ignite	No gas supply, clogged burner ports, weak igniter battery, faulty igniter.	Check gas supply valve. Clean burner ports. Replace igniter battery. Contact service technician.
Flame goes out unexpectedly	Strong wind, low gas pressure, flame sensor issue.	Ensure adequate wind protection. Verify gas pressure. Clean flame sensor.
Low flame height	Low gas pressure, partially clogged burner ports.	Verify gas pressure. Clean burner ports.

8. SPECIFICATIONS

- **Model:** FPPK18-SQ-FLEX-NG
- **Fuel Type:** Natural Gas
- **Burner Type:** Penta Shaped
- **Pan Dimensions:** 18 x 18 inches (Square Flat Pan)
- **Product Dimensions:** 18"D x 18"W x 7"H
- **Material:** 304 Stainless Steel
- **BTU Output:** 65,000 BTU
- **Ignition:** Push Button Spark Ignition with Automatic Flame Sensing
- **Certifications:** UL Listed
- **Item Weight:** 23 Pounds

9. WARRANTY AND SUPPORT

For warranty information and technical support, please contact HPC Fire directly or refer to the documentation provided at the time of purchase. Keep your purchase receipt for warranty claims.

Manufacturer: Hearth Products Controls (HPC)