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Skyflame SK-FB0356-SS-24

# Skyflame 24" Stainless Steel Round Jet Burner Ring Kit Instruction Manual

Model: SK-FB0356-SS-24

## 1. PRODUCT OVERVIEW

This manual provides instructions for the safe and proper installation, operation, and maintenance of the Skyflame 24" Stainless Steel Round Jet Burner Ring Kit. This kit is designed for use with propane fire pit bowls and fire pit tables, providing a consistent and powerful flame for outdoor use.

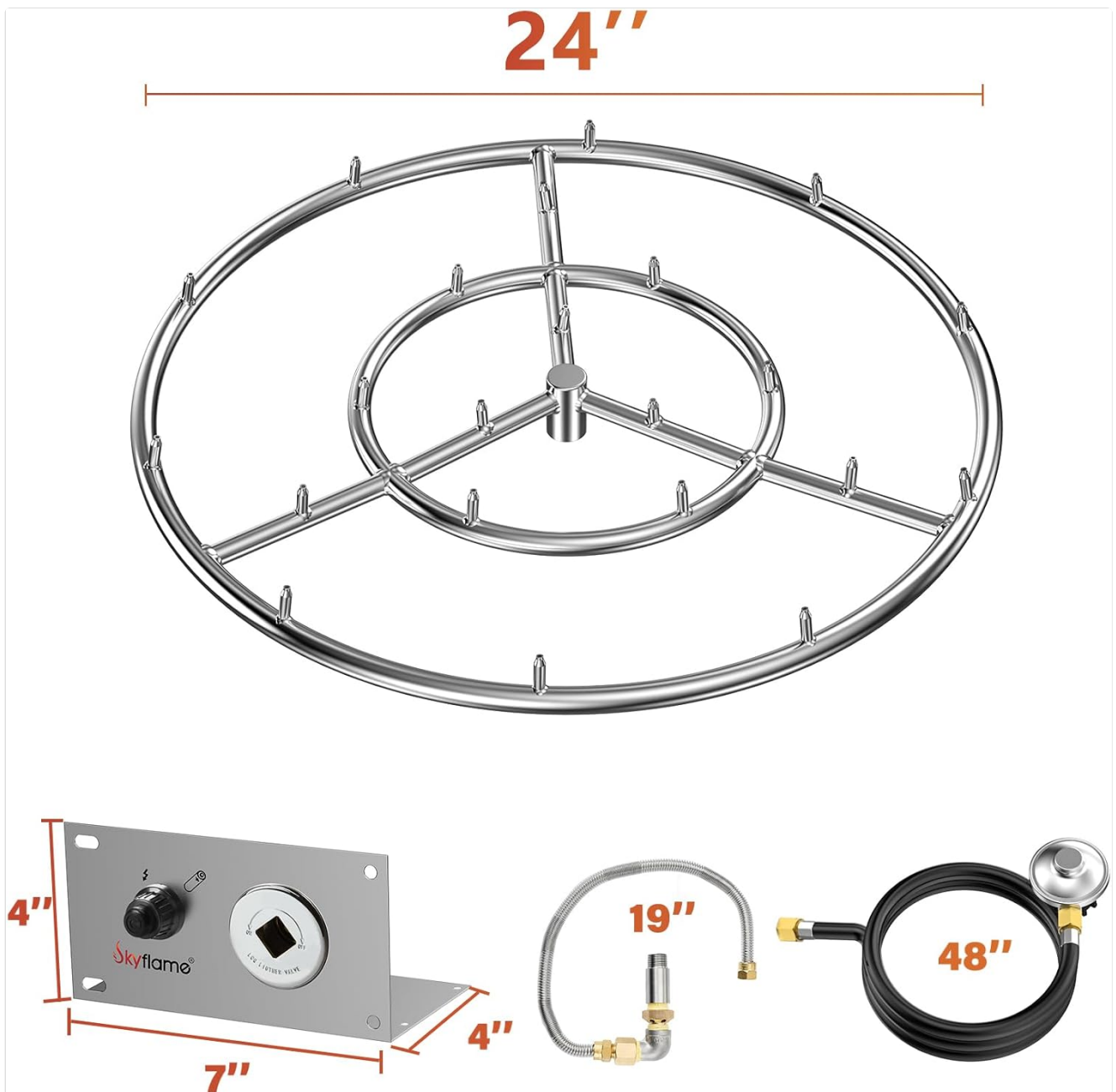


Figure 1: Overview of the Skyflame 24" Jet Burner Ring Kit components, including the burner ring with its 24-inch diameter, igniter panel, flex gas line, and propane hose with regulator.

## 2. SAFETY INFORMATION

**WARNING: Failure to follow these instructions could result in fire, explosion, property damage, personal injury, or death.**

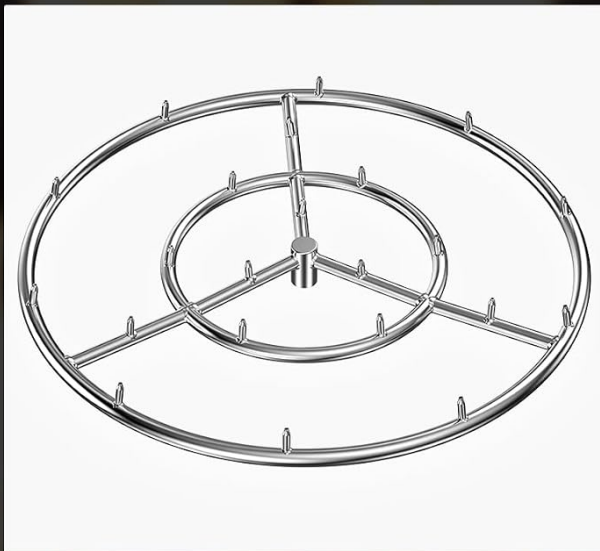
- Read all instructions thoroughly before installation and operation.
- This product is for outdoor use only. Do not install or use indoors.
- Ensure all gas connections are tight and leak-free before operation. Use a leak detection solution (soapy water) to check for leaks.
- Keep flammable materials away from the fire pit. Maintain adequate clearance from combustible surfaces.
- Never leave an operating fire pit unattended.
- Do not use gasoline or other flammable liquids to ignite the fire.
- Ensure proper ventilation.
- Always turn off the gas supply at the source when the fire pit is not in use.

- Children and pets should be kept at a safe distance from the fire pit.
- When installing the spark ignition, ensure the igniter electrode is close enough to the ignition hole for successful ignition.

### 3. PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation.

- Jet Burner Ring (24" Stainless Steel)
- Propane Hose with Regulator
- Flex Gas Line with Air Mixer
- Spark Ignition Kit (Igniter, Wires, Push Button)
- Gas Key
- Sealing Tape (PTFE Tape)



**Jet Burner Ring**



**Spark Ignition Kit**



**Propane Hose  
with Regulator**



**Sealing Tape**



**Flex Gas Line  
with Air Mixer**

Figure 2: All components included in the Skyflame 24" Jet Burner Ring Kit: burner ring, spark ignition kit, propane hose with regulator, sealing tape, and flex gas line with air mixer.

## 4. SETUP AND INSTALLATION

Follow these steps for proper installation of your Skyflame Jet Burner Ring Kit.

### 4.1 Prepare the Fire Pit Enclosure

- Ensure your fire pit enclosure is designed to safely house a propane burner and has adequate ventilation.
- Confirm the fire pit opening is suitable for the 24-inch burner ring.

### 4.2 Install the Burner Ring

- Place the 24-inch stainless steel jet burner ring into your fire pit pan or enclosure.
- Ensure the burner is level and centered.

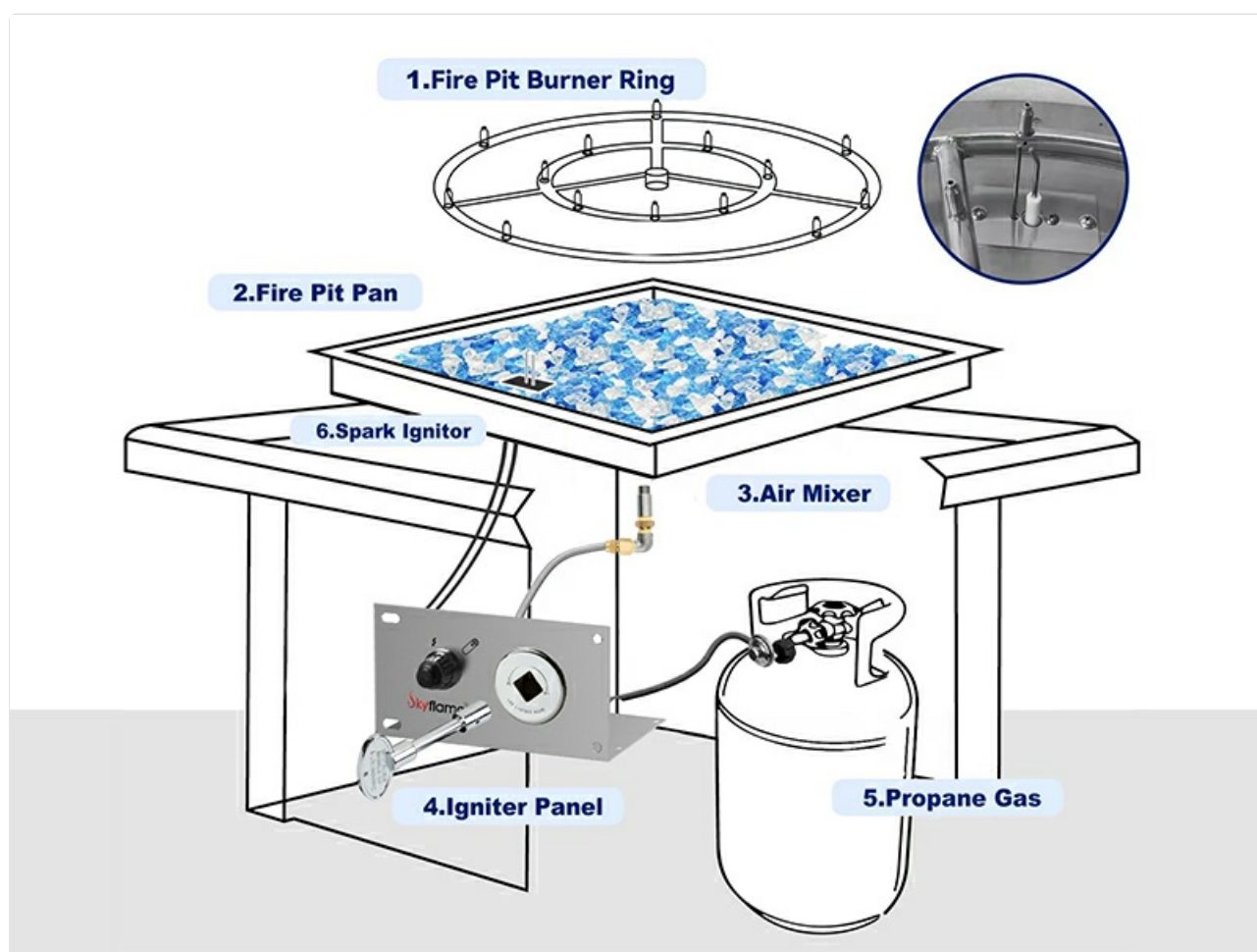


Figure 3: Diagram illustrating the general setup of a fire pit system, including the burner ring, fire pit pan, air mixer, igniter panel, and propane tank connection.

### 4.3 Connect Gas Lines

1. Apply sealing tape to all threaded gas connections to ensure a leak-tight seal.
2. Connect the flex gas line with the air mixer to the 1/2" NPT inlet on the bottom of the burner ring.
3. Connect the other end of the flex gas line to the gas valve on the igniter panel.
4. Connect the propane hose with regulator to the igniter panel's inlet.
5. Connect the regulator end of the propane hose to your propane tank.

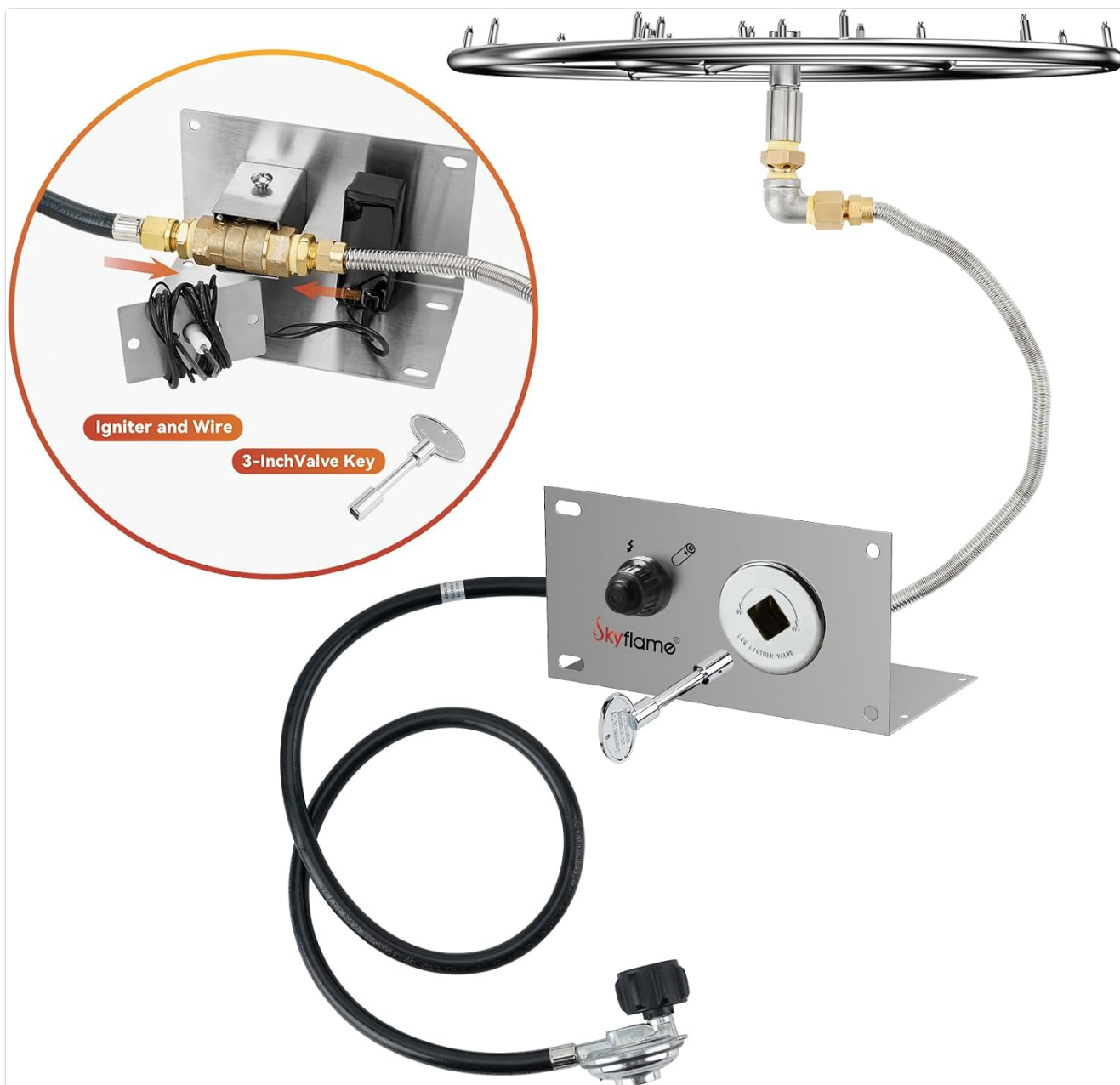


Figure 4: Close-up view of the igniter panel, showing connections for the igniter wire, 3-inch valve key, and gas lines. The propane hose with regulator is also shown connected.

Your browser does not support the video tag.

Video 1: This video demonstrates the process of connecting the gas lines and igniter components to the Skyflame fire pit burner kit.

#### 4.4 Install the Spark Ignition Kit

- Mount the igniter panel in a suitable location on your fire pit enclosure.
- Connect the igniter electrode wires to the spark ignition module.
- Ensure the igniter electrode is positioned correctly near one of the burner holes to facilitate ignition.

#### 4.5 Leak Test

- After all connections are made, open the propane tank valve slowly.
- Apply a soapy water solution to all gas connections. If bubbles appear, there is a leak. Tighten connections and re-test.
- Do not operate the fire pit if a gas leak is detected.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Before Lighting

- Ensure the fire pit area is clear of debris and flammable materials.
- Confirm the propane tank valve is open.
- Verify the gas key valve on the igniter panel is in the OFF position.

### 5.2 Lighting the Burner

1. Slowly turn the gas key valve to the ON position to allow propane to flow to the burner.
2. Immediately press and hold the igniter button to create a spark.
3. Continue holding the igniter button until the burner ignites.
4. Once ignited, release the igniter button.
5. Adjust the flame height using the gas key valve.

**NOTE: If the burner does not ignite within 5 seconds, turn the gas key valve to the OFF position, wait 5 minutes for gas to dissipate, and then repeat the lighting procedure.**

### 5.3 Turning Off the Burner

- Turn the gas key valve to the OFF position.
- Close the valve on the propane tank.
- Allow the burner and fire pit media to cool completely before covering or storing.

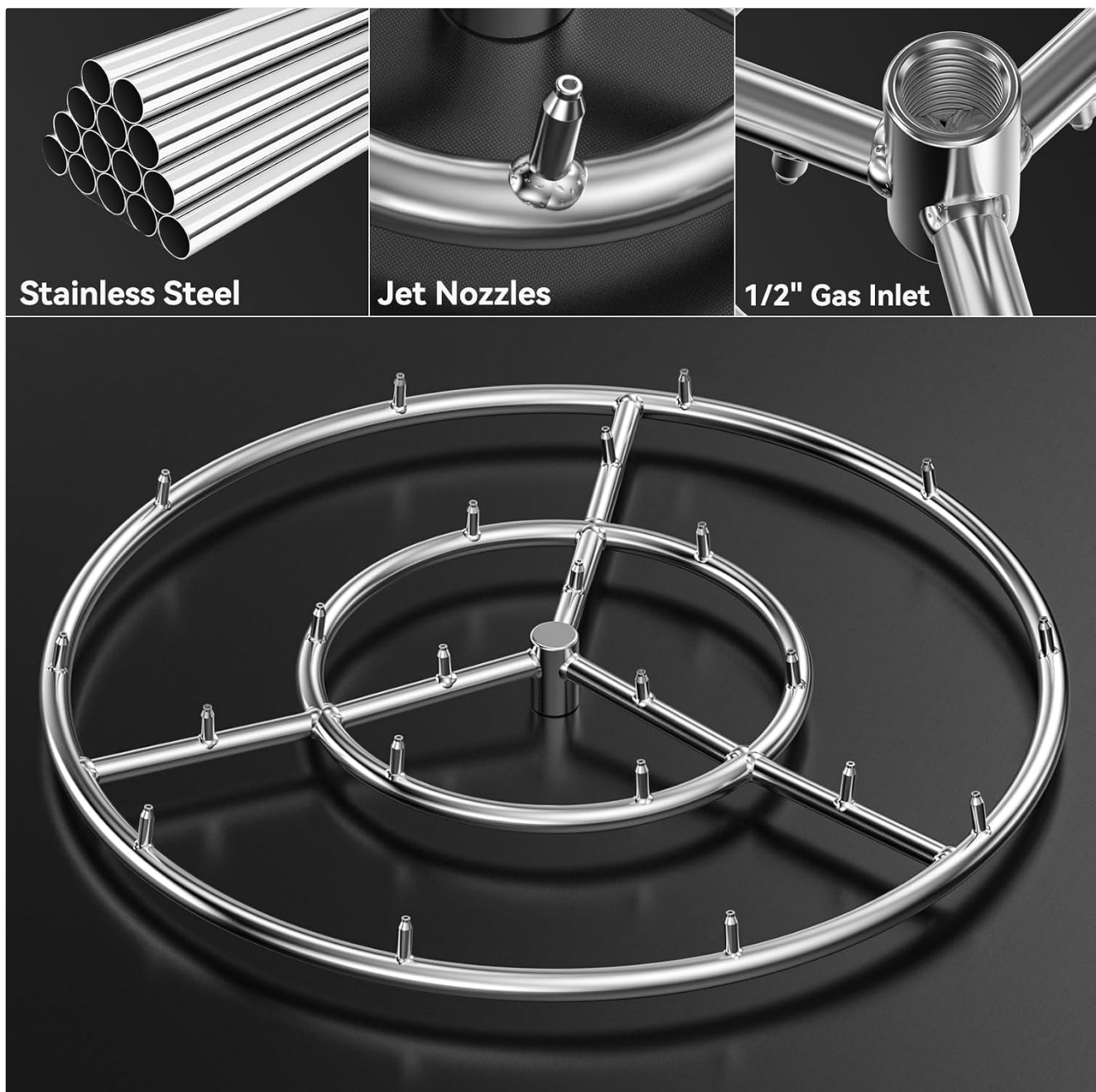


Figure 5: The Skyflame jet burner ring producing flames within a fire pit, demonstrating typical operation.

## 6. MAINTENANCE

- **Cleaning:** Periodically clean the burner ring and surrounding area to remove any debris or soot. Use a soft brush and mild soapy water. Ensure the burner is completely dry before use.
- **Inspection:** Regularly inspect the gas lines, connections, and burner for any signs of wear, damage, or corrosion. Replace any damaged components immediately.
- **Burner Holes:** Ensure the burner holes remain clear of obstructions. Use a small wire or pin to clear any clogged holes.
- **Storage:** When not in use for extended periods, disconnect the propane tank and store the fire pit components in a dry, protected area.

## 7. TROUBLESHOOTING

| Problem                          | Possible Cause                                                                                                                                                         | Solution                                                                                                                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Burner does not ignite.          | <ul style="list-style-type: none"><li>No gas flow.</li><li>Igniter electrode too far from burner hole.</li><li>Clogged burner holes.</li><li>Faulty igniter.</li></ul> | <ul style="list-style-type: none"><li>Check propane tank valve and gas key valve.</li><li>Adjust igniter electrode closer to a burner hole.</li><li>Clean burner holes.</li><li>Contact customer support for igniter replacement.</li></ul> |
| Low flame or inconsistent flame. | <ul style="list-style-type: none"><li>Low propane tank pressure.</li><li>Partially clogged burner holes.</li><li>Regulator issue.</li></ul>                            | <ul style="list-style-type: none"><li>Check propane tank level.</li><li>Clean burner holes.</li><li>Ensure regulator is properly connected and functioning.</li></ul>                                                                       |
| Gas odor detected.               | <ul style="list-style-type: none"><li>Gas leak.</li></ul>                                                                                                              | <ul style="list-style-type: none"><li>Immediately turn off gas supply at the tank. Perform a leak test with soapy water. Tighten connections or replace faulty components. Do not operate until leak is resolved.</li></ul>                 |

## 8. SPECIFICATIONS

| Feature            | Detail                      |
|--------------------|-----------------------------|
| Model Number       | SK-FB0356-SS-24             |
| Burner Diameter    | 24 inches                   |
| Material           | Premium Stainless Steel     |
| BTU Rating         | Up to 296,000 BTU           |
| Gas Inlet          | 1/2" NPT Threaded Male      |
| Fuel Type          | Propane                     |
| Package Dimensions | 25.25 x 24.75 x 4.75 inches |
| Item Weight        | 10.98 pounds                |

## 9. WARRANTY AND SUPPORT

Skyflame products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official Skyflame website.

For technical assistance, replacement parts, or any questions regarding your Skyflame Jet Burner Ring Kit, please contact Skyflame customer support. Contact information can typically be found on the product packaging or the manufacturer's website.

**Manufacturer:** Skyflame

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### Question

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### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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