SPARK MODERN FIRES

OUTDOOR FIRE CUBE
with pilot safety system

Model FBB-N(P)-S

OWNER’S OPERATION AND INSTALLATION MANUAL

We recommend that our products be installed and serviced by professionals who are certified in the U.S. by NFI (National Fireplace Institute).

Complies with ANS Z21.97.CSA 2.41-2012 "Outdoor Decorative Gas Appliances",

CGA 2.17-M91(R2009) "Gas Fired Appliances for Use at High Altitudes"

IMPORTANT: Outdoor fireplaces should not be installed in areas susceptible to saltwater corrosion or high winds. These products are not warranted against either condition.

⚠️ DANGER
If you smell gas:
1. Shut off gas to appliance.
2. Extinguish any open flame.
3. If odor continues, keep away from the appliance and immediately call your gas supplier or fire department.

⚠️ 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.

⚠️ WARNING
Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

An LP-cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

⚠️ DANGER
Carbon Monoxide Hazard
This appliance can produce carbon monoxide which has no odor. Using it in an enclosed space can kill you. Never use this appliance in an enclosed space as a camper, tent, car or home.

⚠️ WARNING: For Outdoor Use Only

INSTALLER: Leave this manual with the appliance. CONSUMER: Retain this manual for future reference.

Version française de ce manuel est disponible à partir du site WEB : www.sparkfires.com
French version of this Owners Manual is available at www.sparkfires.com
SAFETY INFORMATION

WARNING: Any change to this appliance or its controls can be dangerous.

1. This appliance, as supplied, is only for use with the type of gas indicated on the rating plate.
2. When an appliance is for connection to a fixed piping system, the installation must conform with local codes, or in the absence of local codes with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or International Fuel Gas Code, Natural Gas and Propane Installation Code, CSA B149.1, or Propane Storage and Handling Code, B149.2, as applicable.
3. Keep the appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
4. Do not burn solid fuel in the fireplace after installing the appliance. Do not use this appliance to cook food or burn paper or other objects.
5. Children and adults should be alerted to the hazards of materials that may be too hot to handle.
6. Clothing or other flammable materials should not be hung from the appliance, or placed on or near the appliance.
7. Young children should be carefully supervised when they are in the area of the appliance.
8. The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 or the Canadian Electrical Code, CSA C22.1, if applicable.
9. Do not use appliance if any part has been under water. Immediately call a qualified service technician to inspect the room appliance and to replace any part of the control system and any gas control which has been under water.
10. Inspect the burner before each use of Outdoor Fire Cube. The burner must be replaced prior to the appliance being put into operation if it is evident that the burner is damaged. Please refer to "Illustrated parts List" for the replacement burner part number.
11. Turn the appliance off and let cool before servicing, installing, or repairing. Any guard or other protective device removed for servicing the appliance must be replaced prior to operating the appliance. Only a qualified service person should install, service, or repair appliance.

HIGH ALTITUDE INSTALLATIONS:
The appliance is rated for installations up to 4500’ (1372 m) above sea level. Above 4500’ the appliance must be de-rated at the factory for the appropriate altitude.

LOCAL CODES
Install and use Outdoor Cube with care. Follow local codes. In the absence of local codes, use the latest edition of The National Fuel Gas Code ANSI Z223.1/NFPA 54 available from:
* American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018
* National Fire Protection Association, Inc., Batterymarch Park, Quincy, MA 02269.
PRODUCT ASSEMBLY

WARNING: Failure to position the parts in accordance with these diagrams or failure to use only parts specially approved with this appliance may result in property damage or personal injury.

1. Remove Fire Cube and its Burner Media from packaging (see Parts List).
2. Connect the Burner Assembly to gas supply using supplied flex connector and shutoff valve.
3. Evenly fill the media compartment with burner media (broken tempered glass) fully covering the burner as shown on a picture. If you are NOT planning to add optional topping media, then fill the media compartment in full and proceed to the step 5.
4. Place and evenly distribute topping media (optional stones) on top of burner media as shown on a picture.
5. Carefully leak test all connections following the procedure on Page 5.
6. Having free access to the valve light the appliance following the procedure on Page 7.
7. To access the gas components and listing labels remove complete burner assembly from its enclosure.

INSTALLATION

⚠️ CAUTION: Do not remove the metal data plates attached to the Linear Burner System. These plates contain important information.

NOTICE: Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required as necessary. It is imperative that control compartment, burner and circulating air passageways of the appliance be kept clean.

CLEARANCES TO COMBUSTIBLE MATERIALS:

- Top ..................... 72” (183 cm)
- Sides ..................... 14” (36 cm)
- Floor ..................... 0” (0 cm)

FUEL PRESSURE SPECIFICATION:

- Inlet Natural Gas (NG) Min ...... 5.0” W.C.
  Max ...... 10.5” W.C.
- Inlet Propane (LP) Min ...... 11.0” W.C.
  Max ...... 13.0” W.C.
- Manifold Natural Gas (NG) ......... 4.0” W.C.
- Manifold Propane (LP) ............. 10.0” W.C.
CHECK GAS TYPE

Use proper gas type for the fireplace you are installing. If you have conflicting gas type, do not install fireplace. See dealer where you purchased the fireplace for proper fireplace for your gas type or conversion kit.

INSTALLING GAS PIPING TO FIREPLACE / BURNER SYSTEM LOCATION

WARNING

A qualified installer or service person must connect appliance to gas supply. Follow all local codes.

CAUTION

For propane/LP units, never connect fireplace directly to the propane/LP supply. This burner system requires an external regulator (not supplied). Install the external regulator between the burner system and propane/LP supply.

INSTALLATION ITEMS NEEDED

Before installing fireplace and burner system, make sure you have the items listed below.

- External regulator (supplied by installer)
- Equipment shutoff valve*
- Tee joint
- approved flexible gas line with gas connector (if allowed by local codes — not provided)
- Piping (check local codes)
- Test gauge connection*
- Pipe wrench
- Sealant (resistant to propane/LP gas)
- Sediment trap (recommended)

* A CSA design-certified equipment shutoff valve with 1/8" NPT tap is an acceptable alternative to test gauge connection. Purchase the CSA design-certified equipment shutoff valve from your dealer.

For propane/LP connections only, the installer must supply an external regulator. The external regulator will reduce incoming gas pressure. You must reduce incoming gas pressure to between 11 and 13 inches of water. If you do not reduce incoming gas pressure, burner system regulator damage could occur. Install external regulator with the vent pointing down as shown in Figure 1. Pointing the vent down protects it from freezing rain or sleet.

CAUTION

Use only new black iron or steel pipe. Internally tinned copper or copper tubing can be used per National Fuel Code, section 2.6.3, providing gas meets hydrogen sulfide limits, and where permitted by local codes. Gas piping system must be sized to provide minimum inlet pressure (listed on data plate) at the maximum flow rate (BTU/hr). Undue pressure loss will occur if the pipe is too small.

When using copper or flex connectors use only fittings approved for gas connections. The gas control inlet is 3/8" NPT.

Figure 1 - External Regulator with Vent Pointing Down (Propane/LP Only)
CONNECTION TO GAS SUPPLY

⚠️ WARNING: A qualified service person must connect appliance to gas supply. Follow all local codes.

Installation Items Needed
Before installing the Outdoor Fire Cube, make sure you have all items listed below:
- piping (check local codes)
- sealant
- manual shutoff valve
- adjustable (crescent) wrench or pliers
- sediment trap
- tee joints
- pipe wrench

⚠️ CAUTION: Use only new, black iron or steel pipe. Internally tinned copper tubing may be used in certain areas. Use pipe of 1/2" diameter or greater to allow proper gas volume to Linear Burner System. If pipe is too small, undue loss of pressure will occur.

Installation must include a manual shutoff valve, union, and plugged 1/8" NPT tap. Locate NPT tap within reach for test gauge hook up. NPT tap must be upstream from the appliance.

Apply pipe joint sealant lightly to male threads. This will prevent excess sealant from going into pipe. Excess sealant in pipe could result in a clogged burner injector.

Install sediment trap in supply line as shown below. Locate sediment trap where it is within reach for cleaning and trapped matter is not likely to freeze. A sediment trap traps moisture and contaminants. This keeps them from going into Outdoor Fire Cube controls.

If sediment trap is not installed or is installed wrong, unit may not run properly.

CHECKING GAS CONNECTION

⚠️ WARNING: Test all gas piping and connections for leaks after installing or servicing. Correct all leaks at once.

⚠️ WARNING: Never use an open flame to check for a leak. Apply a mixture of liquid soap and water on all joints. Bubbles forming show a leak. Correct all leaks at once.

Test Pressures in Excess Of 1/2 psi (3.5 kPa)
The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa).

Test Pressures Equal To or Less Than 1/2 psi (3.5 kPa)
The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

IMPORTANT
This appliance is not designed for use with a non-disposable, self-contained LP-gas supply system! Do not use a gas hose to connect the appliance to any gas supply. Use approved Flexible Gas Connectors.

Approved Flexible Gas Connector

A.G.A. Design-Certified Manual Shutoff Valve With 1/8” NPT Tap

From Gas Meter (5” W.C. to 10.5” W.C. pressure)

3” Minimum

Cap
Pipe Nipple
Tee Joint

Sediment Trap
**STAINLESS STEEL BURNER FBB-(N,P)-S**

**DIMENSIONS**

<table>
<thead>
<tr>
<th>MODEL #</th>
<th>GAS TYPE</th>
<th>INPUT RATE (BTU/h)</th>
<th>ORIFICE SIZE</th>
<th>BURNER PORTS</th>
<th>PORT SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBB - N-S</td>
<td>NATURAL</td>
<td>60,000</td>
<td>28</td>
<td>66</td>
<td>1/8&quot;</td>
</tr>
<tr>
<td>FBB - P-S</td>
<td>PROPANE</td>
<td>54,000</td>
<td>43</td>
<td>66</td>
<td>1/8&quot;</td>
</tr>
</tbody>
</table>

**WARNING**

Do not operate the appliance without the burner being completely filled with glass media. Lighting the burner without the glass media will cause unsafe temperatures within the appliance.

**IMPORTANT:** Minimum ambient air temperature for the fireplace operation is 0°C (32°F)
FOR YOUR SAFETY READ BEFORE LIGHTING

**WARNING**

If you do not follow these instruction exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This apliance is equiped with a pilot which must be lit by hand while following these instructions exactly.

B. BEFORE OPERATING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

**WHAT TO DO IF YOU SMELL GAS:**

- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone.
  - Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to push in, or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it. Call a qualified service technician. Force or attempted repair may result in a fire or explosion.

D. Do not use this appliance if any part of it has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control that has been under water.

**LIGHTING PILOT FOR THE FIRST TIME**

**INITIAL LIGHTING**

Purge air from the supply line as follows:

- Open main shutoff valve.
- Unscrew main pressure test point.
- Leave inlet test screw open until gas comes in.
- When gas is flowing, tighten inlet screw immediately.

**DANGER**

Never use an open flame to check for gas leak.

**LEAK TESTING**

1. Follow the pipe from the gas supply line connection to the gas valve. Check connection for leaks with soap and water mixture.
2. Next check for gas leaks at the burner with soap and water mixture.
3. Check the pilot for gas leaks with soap and water mixture.
**LIGHTING PILOT FOR THE FIRST TIME**

**APPROVED LEAK TESTING METHOD**
You may check for gas leaks with the following methods only:

- Soap and water solution
- An approved leak testing spray
- Electronic sniffer

**WARNING**

If using a soap and water solution to test for leaks, DO NOT spray solution onto control body.

**NOTE:** Remove any excessive pipe compound from the connections. Excessive pipe compound can set off electronic sniffers.

Check for gas leaks in each of the following locations:

- Pipe from the gas supply line connection to the gas valve
- Burner connections, pilot
- All joints on valve and control body
- Field made joints / gas shutoff valve
- Factory made joints, each joint and connection

**LIGHTING INSTRUCTIONS**

1. **STOP!** Read the safety information on previous page.
2. Turn the gas control knob to the "OFF" position.
3. Wait five (5) minutes to clear out any gas. If you then smell gas, **STOP!** Follow "B" in the safety information on the previous page. If you don’t smell gas, go to the next step.
4. Locate the Pilot Assembly on the top surface of the Fire Cube

![Diagram of Thermocouple Pilot Assembly]

5. Depress and turn pilot gas knob counterclockwise to "PILOT" position.
6. Depress fully and hold pilot gas knob. **Light pilot with a match or barbeque lighter.**
   Keep knob fully depressed for a few seconds. Release and check that pilot continues to burn.
   - If the pilot does not stay lit, repeat steps 1 and 2.
   - If the pilot knob does not pop up when released, **STOP** and immediately call service technician or gas supplier
   - If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" position and call your service technician or gas supplier.
LIGHTING THE BURNER
Depress and turn the knob counterclockwise to the “ON” position.
It will take less than four (4) seconds for the burner to ignite.

PILOT POSITION
Depress and turn knob to pilot position to keep burner off while maintaining the pilot light.

TO TURN OFF GAS TO APPLIANCE
1. Depress and turn knob clockwise to “OFF” position.
### TROUBLESHOOTING

#### WARNING: Turn off Fire Pit and let cool before servicing. Only a qualified service person should service and repair this appliance.

*Note:* All troubleshooting items are listed in order of operation.

<table>
<thead>
<tr>
<th>Possible Cause</th>
<th>Remedy</th>
</tr>
</thead>
</table>
| Unit is smoking / sooting excessively (Note: It is natural and unavoidable for appliance sets to produce moderate levels of carbon (soot) where flames contact the media. This is especially true with propane/LP gas.) | 1. Poor fuel quality  
2. Fireplace venting system not drafting properly  
3. Excessive flame impingement or blockage  
4. Improper fuel/air mixture  
5. Excessive gas supply/pressure |
| Burner is excessively noisy (Note: The movement and combustion of gas will create low, unavoidable levels of noise.) | 1. Passage of air/gas across irregular surfaces  
2. Excessive gas pressure on natural gas units  
3. Incorrect gas supply or pressure  
4. Blocked burner orifice or burner manifold ports  
5. Improper burner orifice size  
6. Excessive gas supply/pressure |
| Burner flame is too low or too high | 1. Contact local natural or propane/LP gas company  
2. Adjust damper wide open and/or have fireplace and venting professionally cleaned and checked  
3. Separate the stones to allow more flame passage  
4. Remove any foreign items from the flame pattern and/or check for proper orifice sizing  
5. Preheat flue in very cold weather |

*Note:* All troubleshooting items are listed in order of operation.
<table>
<thead>
<tr>
<th>OBSERVED PROBLEM</th>
<th>POSSIBLE CAUSE</th>
<th>REMEDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilot lights but flame goes out when control knob is released</td>
<td>1. Control knob not fully pressed in 2. Control knob not pressed in long enough 3. Manual shutoff valve not fully open 4. Pilot flame not touching thermocouple, which allows thermocouple to cool, causing pilot flame to go out. This problem could be caused by one or both of the following: A) Low gas pressure B) Dirty or partially clogged pilot 5. Thermocouple connection loose at control valve 6. Thermocouple damaged 7. Control valve damaged</td>
<td>1. Press in control knob fully 2. After pilot lights, keep control knob pressed in 30 seconds 3. Fully open manual shut-off valve 4. A) Contact local natural gas company B) Clean pilot (see Cleaning and Maintenance, page 10) or replace pilot assembly 5. Hand tighten until snug, then tighten 1/4 turn more 6. Replace thermocouple 7. Replace control valve</td>
</tr>
<tr>
<td>Burner does not light after pilot is lit</td>
<td>1. Burner orifice clogged 2. Inlet gas pressure is too low 3. Burner orifice diameter is too small 4. Thermopile leads disconnected or improperly connected</td>
<td>1. Clean burner orifice 2. Contact local natural or propane/LP gas company 3. Replace burner orifice 4. Reconnect leads</td>
</tr>
<tr>
<td>Delayed ignition burner</td>
<td>1. Pilot flame needs adjusting</td>
<td>1. Adjust pilot flame for approximately &quot;blue flame&quot;</td>
</tr>
<tr>
<td>Fire Cube produces unwanted odors</td>
<td>1. Unit burning vapors from paint, hairspray, glues, cleaners, chemicals, new carpet, etc. (See IMPORTANT statement above) 2. Gas leak.</td>
<td>1. Open flue to maximum. Stop using odor causing products while unit is running 2. Locate and correct all leaks (see Checking Gas Connections, page 5)</td>
</tr>
<tr>
<td>Gas odor even when control knob is in OFF position</td>
<td>1. Gas leak. 2. Control valve defective</td>
<td>1. Locate and correct all leaks (see Checking Gas Connections, page 5) 2. Replace control valve</td>
</tr>
<tr>
<td>Gas odor during combustion</td>
<td>1. Gas leak.</td>
<td>1. Locate and correct all leaks (see Checking Gas Connections, page 5)</td>
</tr>
</tbody>
</table>

**IMPORTANT:** Operating unit where impurities in air exist may create odors. Cleaning supplies, paint, paint remover, cigarette smoke, cements and glues, new carpet or textiles, etc., create fumes. These fumes may mix with combustion air and create odors. These odors will disappear over time.

**WARNING:** If you smell gas
- Shut off gas supply.
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
Keep the appliance and its burner clean by vacuuming or brushing at least twice a year. Make sure the burner porting and burner air openings are free of obstructions at all times.

Inspect area around the burner. Remove any lint or foreign material with a brush or vacuum cleaner.

The flame from the burner should be visually checked as soon as the unit is installed and periodically during normal operation.

The burner must be replaced prior to the appliance being put into operation if it is evident that the burner is damaged. Please refer to “Illustrated Parts List” for the replacement part number specified by the manufacturer.

**PILOT FLAME**

The pilot flame has two distinct flames, one engulfing the flame sensor and other reaching to the main burner. The pilot flames should be visually checked as soon as the unit is installed and periodically during normal operation. **The pilot flame must always be present when the Fire Cube (FBB-S model) is in operation.**
ILLUSTRATED PARTS LIST (Continued)

FOR PART DESCRIPTION SEE NEXT PAGE

BURNER GLASS MEDIA

OPTIONAL STONES
## WARNING

Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

This list contains replaceable parts used in your firebox. All replacement parts should be ordered from your installer or from Spark Modern Fires at 1-866.938.3846 or on-line at www.sparkfires.com

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>QTY</th>
<th>FBB-N(S)</th>
<th>FBB-P(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Natural</td>
<td>Propane</td>
</tr>
<tr>
<td>1</td>
<td>Burner Assembly</td>
<td>1</td>
<td>W600001</td>
<td>W600002</td>
</tr>
<tr>
<td>2</td>
<td>Elbow</td>
<td>1</td>
<td>H100036</td>
<td>H100036</td>
</tr>
<tr>
<td>3</td>
<td>Burner Tray</td>
<td>1</td>
<td>W600004</td>
<td>W600004</td>
</tr>
<tr>
<td>4</td>
<td>Reducer Bushing</td>
<td>1</td>
<td>H100007</td>
<td>H100007</td>
</tr>
<tr>
<td>5</td>
<td>Orifice</td>
<td>1</td>
<td>F200016</td>
<td>F200015</td>
</tr>
<tr>
<td>6</td>
<td>Pressure Regulator</td>
<td>1</td>
<td>F200110</td>
<td>F200111</td>
</tr>
<tr>
<td>7</td>
<td>Flex Connector</td>
<td>2</td>
<td>C100072</td>
<td>C100072</td>
</tr>
<tr>
<td>8</td>
<td>Shutoff Valve (NOT SHOWN)</td>
<td>1</td>
<td>F200066</td>
<td>F200066</td>
</tr>
<tr>
<td>9</td>
<td>Valve</td>
<td>1</td>
<td>R100023</td>
<td>R100023</td>
</tr>
<tr>
<td>10</td>
<td>Valve Stem Extender</td>
<td>1</td>
<td>R100024</td>
<td>R100024</td>
</tr>
<tr>
<td>11</td>
<td>Pilot</td>
<td>1</td>
<td>R100033</td>
<td>R100034</td>
</tr>
<tr>
<td>12</td>
<td>Pilot Screen</td>
<td>1</td>
<td>F100101</td>
<td>F100101</td>
</tr>
<tr>
<td>13</td>
<td>Pilot Shield</td>
<td>1</td>
<td>F100100</td>
<td>F100100</td>
</tr>
<tr>
<td>14</td>
<td>Bracket</td>
<td>1</td>
<td>F100102</td>
<td>F100102</td>
</tr>
<tr>
<td>15</td>
<td>Glass Media (standard)</td>
<td>1</td>
<td>G100048</td>
<td>G100048</td>
</tr>
<tr>
<td>16</td>
<td>Stones (optional)</td>
<td>1</td>
<td>G100049</td>
<td>G100049</td>
</tr>
</tbody>
</table>
LIMITED LIFETIME WARRANTY
The following components are warranted for life to the original owner, subject to proof of purchase: Firebox, Combustion Chamber, and Steel Burner.

BASIC WARRANTY
Spark Modern Fires warrants the components and materials in your gas appliance to be free from manufacturing and material defects for a period of two years from date of installation. After installation, if any of the components manufactured by Spark Modern Fires in the appliance are found to be defective in materials or workmanship, Spark Modern Fires will, at its option, replace or repair the defective components at no charge to the original owner. Spark Modern Fires will also pay for reasonable labor cost incurred in replacing or repairing such components for a period of two years from date of installation. Any products presented for warranty repair must be accompanied by a dated proof of purchase.

This Limited Lifetime Warranty will be void if the appliance is not installed by a qualified installer in accordance with installation instructions. The Limited Lifetime Warranty will also be void if the appliance is not operated and maintained according to the operating instructions supplied with the appliance, and does not extend to (1) firebox/burner assembly damaged by accident, neglect, misuse, abuse, alterations, negligence of others, including the installation thereof by unqualified installers, (2) the costs of removal, re-installation or transportation of defective parts on the appliance, or (3) identical or consequential damage. All service work must be performed by an authorized service representative.

This warranty is expressly in lieu of other warranties, express or implied, including the warranty of merchantability of fitness for purpose and of all other obligations or liabilities. Spark Modern Fires does not assume for it any other obligations or liabilities in connection with sale or use of the appliance. It states that do not allow limitations on how long an implied warranty lasts, or do not allow exclusion of indirect damage, those limitations of exclusions may not apply to you. You may also have additional right not covered in the Limited Lifetime Warranty. Spark Modern Fires reserves the right to investigate any and all the claims against this Warranty and decide upon method of settlement.

For information about this warranty contact:

SPARK MODERN FIRES
99B Greenwood Ave  Bethel, CT 06801 USA  P. 203.791.2725  F. 203.798.8661
WWW.SPARKFIRES.COM

Rev. No: 11/2018