



Hearth Products Controls Co
706 Congress Park Dr
Dayton, OH 45459

FPSP / 18FGALV Match Lit Fire Pit **Installation and Operation Instructions**

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.

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

WHAT TO DO IF YOU SMELL GAS:

- Do not try to light appliance.
- Do not touch any electrical switch.
- 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.

Installation and service must be performed by a qualified installer, service agency, or gas supplier.

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



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

Read and understand these instructions before starting assembly and installation of this product. Failing to follow these instructions may void warranty. Installations must be done in accordance with local codes.

IMPORTANT SAFETY REQUIREMENTS

- Keep area surrounding fire pit clear and free from combustible materials, gasoline, and other flammable vapors.
- Solid fuels cannot be burnt within the fire pit.
- Do not use this appliance if any part 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 which has been under water.
- This kit must be isolated from incoming gas line via a manual shutoff valve for maintenance or pressure testing

IMPORTANT: Confirm your gas type matches the requirement for this fire pit.

Gas Pressure: This should be checked prior to use:

● **Natural Gas Fire Pit:**

Supply Pressure: Minimum: 5.0” W.C.; Maximum: 7.0” W.C.

Outlet Pressure: 3.0” to 5.0” W.C.

Manifold Pressure: Nominal 3.5” W.C.

Btu Input/Hr: Max- 85,000

● **LP Gas:**

Supply Pressure: Minimum: 10.0” W.C.; Maximum: 14.0” W.C.

Outlet Pressure: 10.0” to 12.0” W.C.

Manifold Pressure: Nominal 11.5” W.C.

Btu Input/Hr: Max- 85,000

It is the responsibility of the installer to follow all local and State Codes concerning the installation and operation of the fire pit.

SELECTING THE LOCATION

WARNING: FIRE PITS ARE DESIGNED STRICTLY FOR **OUTDOOR USE ONLY.**

***HEARTH PRODUCTS CONTROLS CO.* MUST BE NOTIFIED OF ANY OTHER USE.**

WARNING: FIRE PITS CREATE VERY HIGH TEMPERATURES- IT IS VERY IMPORTANT THAT COMBUSTIBLES BE KEPT AT SAFE DISTANCES. LP CYLINDERS NOT CONNECTED TO THIS DEVICE MUST BE STORED AWAY FROM FIRE PIT.

- The fire pit location must accommodate a gas shut off within **4 feet** of the fire pit. Gas shut off must be outside of fire pit. The gas line should be sized minimum gas pressure at maximum flow rate (Btu/hr).
- To enjoy your fire pit, select a well drained location that allows for sufficient clearance from combustible materials.
- Choose a location that allows easy access for installation and maintenance of the fire pit. Make sure that trees and shrubbery are well clear around and above the fire pit.
- Pick a location that allows sufficient horizontal room to enjoy the fire pit while allowing a safe distance from the heat and flame.
- Select a location where the fire pit can be attended during operation. Never leave an operating fire pit unattended or by someone not familiar with its operation or emergency shut off locations.

Fire Pit Clearances

Sides Surrounding Fire Pit	14”
Above Fire Pit	96”

INSTALLATION OF THE COMPLETE FIRE PIT

- 1) Remove fire pit from packaging material.
- 2) Mount valve box in preferred location.
- 3) Place fire pit in enclosure.
- 4) Connect gas supply line as outlined in Gas Supply Connection section below.
- 5) Carefully fill pan with lava rock- leave air box window open to allow fresh air in- shown to the right.



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GAS SUPPLY CONNECTION:

Use only gas type indicated. If the gas type indicated is not your type of gas supply, DO NOT INSTALL. Contact your dealer for the proper model. All piping must comply with local codes and ordinances or with the National Fuel Gas Code, whichever applies.

The gas supply line must be of adequate size to handle the Btu/HR requirements and length of run for this fire pit. The normal gas connection at this log set is ½” NPT made at the right of the unit.

- 1) Attach and tighten flex line to the gas supply line. Confirm gas type.
- 2) If using an LP bottle, position at safe distance away from flame.

IMPORTANT: TESTING FOR LEAKS: USE SOAPY WATER AT EVERY CONNECTING POINT IN GAS LINE. IF BUBBLES APPEAR, TURN OFF GAS, REPAIR LEAKS AND TEST AGAIN. DO NOT LEAVE FIRE PIT BURNING UNTIL ALL LEAKS ARE ELIMINATED. NEVER USE A FLAME TO CHECK FOR LEAKS.

IMPORTANT: This appliance and its appliance main gas valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of ½ psi. The appliance must be isolated from the gas piping system by closing its equipment shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than ½ psi.

IMPORTANT: Gas Plumbing Connections: Use only joint compound or Teflon tape that is resistant to all gases. Apply to all male pipe fittings only- DO NOT use on FLARED fittings. Be sure to tighten every joint securely.

FOR YOUR SAFETY READ BEFORE LIGHTING

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

- A. This appliance has a pilot which must be lighted by hand. When lighting pilot, follow these instructions exactly.
- B. BEFORE OPERATION smell around the appliance area for gas. See front page- “What to do if smell gas” section.
- 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 technician. Force or attempted repair may cause a fire or explosion.

LIGHTING INSTRUCTIONS

1. **STOP! Read the safety information above on this label.**
2. Depress black knob (Fig. 1) slightly and turn clockwise  to the OFF position.
3. Wait (5) minutes to clear out any gas. Then smell for gas.
If you smell gas, **STOP!** See front page- “What to do if smell gas” section.
If you do not smell gas, proceed to next step.
4. Depress lightly and turn black knob counterclockwise  to the PILOT position.
5. Locate the pilot- it is inside the blow out box mounted on left side of fire ring when facing front of fire pit (Fig. 2).
6. Push the knob all the way in- every 10 seconds, apply flame to the blow out box in Fig. 2 (Pilot burner will not light until all air is bled from lines).
7. After pilot lights, hold knob in for 20 seconds or until it will stay lit when you release knob.
IMPORTANT: If the pilot will not stay lit after several tries, turn the black knob to the OFF position and call your service technician or gas supplier.
8. Turn the control knob counterclockwise  from PILOT to the ON position.
9. Never leave fire pit unattended by an adult.



Fig. 1
Valve Control Knob



Fig. 2
Blow Out Box- Pilot Assembly Inside.

TO TURN OFF GAS APPLIANCE

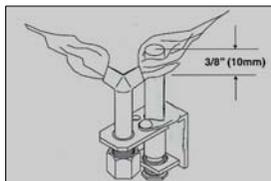
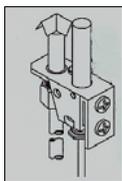
1. Turn Knob B clockwise ↻ to the OFF position.
2. Depress Knob A slightly and turn clockwise ↻ to the OFF position.
3. After cooling, cover fire pit with vinyl cover.

Maintenance of Fire Pit

Under normal use, this unit will require only limited cleaning.

To clean, first turn the control knob to “Off” and allow system to cool.

- 1) **Keep fire pit covered at all times when not in use.**
- 2) Ring Cleaning: If flames exhibit any abnormal shapes or behavior, or if burner fails to ignite properly, then the burner holes may require cleaning. If this occurs, it is preferable to contact your nearest dealer to get the appliance serviced. Alternatively, the appliance can be cleaned by carefully removing the logs and media to allow access to burner. Use a brush to carefully remove dust, spider webs, and loose particles from base, logs, and fire ring itself.
- 3) Visually inspect the pilot- remove any dust or soot accumulating. The pilot flame should cover 3/8” to 1/2” of the thermocouple as shown below.



FPSP / 18FGALV Fire Pit Trouble Shooting

FOR ANY REPLACEMENT PARTS NEEDED, PLEASE CONTACT YOU AUTHORIZED DEALER FOR ORDERING.

<u>Symptoms</u>	<u>Possible Cause</u>	<u>Solution</u>
Pilot won't light.	<ol style="list-style-type: none"> 1) Gas line not bled to let gas reach pilot. 2) Pilot gas supply tube burned or crimped. 3) Knob on valve not being pushed in far enough. 4) Soot or rust covering outlet hole on pilot orifice. 5) Water in pilot orifice. 	<ol style="list-style-type: none"> 1) Bleed lines. 2) Replace pilot burner assembly. Route away from main burner flame. 3) Push in about 1/4". 4) Clean thoroughly and open hole with pin. 5) Clean out by air hose- cover pit.
Pilot won't stay lit	<ol style="list-style-type: none"> 1) Thermocouple is not hot enough. 	<ol style="list-style-type: none"> 1) Make sure pilot flame is strong and is hitting thermocouple. <ol style="list-style-type: none"> 1a) Make sure thermocouple is paint, carbon & rust free. 1b) Hold knob on valve in longer.
Pilot lights but burner will not.	<ol style="list-style-type: none"> 1) Gas not getting to burner. 2) Valve control not set to ON Position. 	<ol style="list-style-type: none"> 1) Turn control knob to “ON” position. 2) Turn to “ON” position.
Pilot lights, burner lights, but system goes out after a while.	<ol style="list-style-type: none"> 1) Thermocouple cooling- pilot flame weak. 2) Pilot blowing out. 3) Thermocouple too hot. 	<ol style="list-style-type: none"> 1) Clean orifice. 2) Re-arrange lava rock. 3) Confirm air box window uncovered.
Whistling Sound	<ol style="list-style-type: none"> 1) Seldom caused by pilot. 2) Flex line bent sharply. 	<ol style="list-style-type: none"> 1) Check log set burner, orifice (if used) and amount of material covering burner. 2) Straighten as needed.