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PUSH BUTTON IGNITION FIRE PIT KIT

(Models: 19FPK, 25FPK and 31FPK Kits)



WARNING: If the information in this manual is not followed, an explosion or fire could result causing property damage, personal injury, or loss of life.

We recommend that our products be installed and serviced by professionals who are certified in the U.S. by NFI (National Fireplace Institute) or in Canada by WETT (Wood Energy Technical Training). Installer must follow all instructions carefully to ensure proper performance and safety.

INSTALLATION PREPARATION

Please carefully follow the steps below when: 1) Selecting the Location. 2) Construction of the Enclosure. 3) Installation of the Complete Fire Pit. **It is the responsibility of the installer to follow all Local and State Codes concerning the installation and operation of the fire pit.**

The steps listed as **WARRANTY REQUIREMENT** must be strictly followed to qualify for product 3 year warranty. **Warranty will be void if not followed.**

1) 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.

- **WARRANTY REQUIREMENT:** The fire pit location must accommodate a gas shut off outside of fire pit enclosure. The gas line should be a minimum of 3/4" or larger based on fire pit size.
- 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.

Solid surfaces such as granite or marble must be located far enough away that they do not reach a temperature of more than 100 degrees F plus ambient air temperature.

Example: If surrounding air temperature is 70, the wood surface temperature must stay at or below 170 degrees F.

FPK Fire Pit Kit

Sides Surrounding Fire Pit	14"
Above Fire Pit	96"

2) CONSTRUCTION OF THE ENCLOSURE:

WARNING: THE GAS SHUTOFF MUST BE ON THE EXTERIOR OF THE FIRE PIT TO ALLOW FOR EASY ACCESS IN THE CASE OF AN EMERGENCY.

WARNING: ALWAYS USE PROPER MATERIALS AND CONSTRUCTION FOR GAS SUPPLY AND ENCLOSURE.

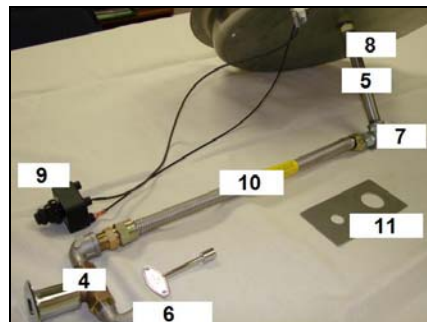
WARNING: Gas Plumbing Connections: Use only joint compound that is resistant to all gases. Apply joint compound to all male pipe fittings only- DO NOT use on FLARED fittings. Be sure to tighten every joint securely.

- The FPK Fire Pit must be disconnected for pressure testing for systems over ½ psi.
- The FPK Fire Pit should be installed so it can be removed for any future service.
- **Gas Pressure Input:** The input should be: Natural Gas- 5~7" W/C; LP Gas- 13 ~ 15" W/C. Anything above this will damage valve.

IMPORTANT: Apply joint compound to all male pipe fittings only- DO NOT use on FLARED fittings. Use TEFLON tape on flared fittings.

- **WARRANTY REQUIREMENT:** The enclosure must be constructed on a stable surface.
- Select materials that are non-combustible in both initial installation as well as over time.
- Make sure that the structure is level. We recommend the use of the installation collar (optional) that may be mortared into the surround.
- The main gas should already be plumbed to the location of the fire pit area. A flex line coming from the fire pit should be connected to the main gas line. Tighten the flex line fittings to the gas supply stub and to the fire pit. **Avoid sharp bends with flex line to prevent whistling.**
- Turn on main gas supply and check all fittings in and around fire pit for leaks using a leak reactant, leak detector or soapy water. If leaks are found, shut off gas supply repair leaks and retest.

3) ASSEMBLY and INSTALLATION OF THE FPK FIRE PIT KIT:



FPK Parts List:

<u>Item</u>	<u>Part #</u>	<u>Description</u>
1	570-19, 570-25, 570-31	19", 25", or 31" SS pan
2	FRS-12, FRS-18, FRS-24	12", 18, or 24" SS fire ring
3	131	Spark Igniter
4	MSCB	Manual Valve
5	562-6	6" SS Nipple

6	560 (2)	½" SS Street Elbows
7	564	½" SS Elbow
8	565	½" SS Coupler
9	691	Push Button Switch
10	SSC-HC18	18" High Capacity Flex Line
11	FFP	SS Face Plate (optional mounting)
12	657	Lava Rock (19", 25"- 2 bags, 31"- 4 bags)

Assembly:

- 1) Attach & tighten fire ring (#2) to SS pan (#1).
- 2) Attach & tighten coupler (#8) to SS pan (#1).
- 3) Attach & tighten 6" nipple (#5) to coupler (#8).
- 4) Attach & tighten SS elbow (#7) to 6" nipple (#5).
- 5) Attach & tighten fitting for flex line to SS elbow (#7).
- 6) Attach & tighten both SS street elbows (#6) to manual valve (#4). Orientate elbows as needed.
- 7) Place fitting for flex line in SS street elbow (#6) on OUTLET side of manual valve (#4).
- 8) Attach and tighten flex line (#10) to fitting on OUTLET of valve.
- 9) Mount manual valve (#4) in enclosure or SS face plate. Also connect incoming gas line.
- 10) Attached igniter (#3) to pan using elbow bracket and screws provided. Carefully bend element as needed to obtain ~ 1/8" from any fire ring port.
- 11) Mount push button switch (#9) to enclosure or SS face plate.
- 12) Attach push button switch (#9) to igniter (#3) using wires provided.
- 13) Attach and tighten other end of flex line (#10) to fitting on SS elbow (#7).
- 14) **CHECK FOR GAS LEAKS AS EXPLAINED ABOVE.**
- 15) Place AAA battery in push button switch.
- 16) Test ignition and flame.
- 17) Apply media over burner- either lava rock or decorative glass.



FPK FIRE PIT KIT OPERATION

WARNING: BEFORE USE, BE SURE TO TEST ALL GAS CONNECTIONS FOR LEAKS. DO NOT USE FIRE PIT IF THERE IS ANY EVIDENCE OF LEAKING GAS. IF LEAKING GAS IS SUSPECTED, TURN OFF THE MAIN GAS SUPPLY AND REPAIR IMMEDIATELY.

WARNING: NEVER USE ANY MATERIAL THAT IS NON-POROUS AND HOLDS MOISTURE LIKE GRAVEL, PEBBLES, RIVER ROCK, ETC. THIS MATERIAL, WHEN HEATED WILL CAUSE THE TRAPPED MOISTURE TO BOIL, AND FRACTURE UNEXPECTEDLY. THIS MATERIAL IS NOT SUFFICIENTLY POROUS TO ALLOW HEATED STEAM TO READILY ESCAPE WHICH CAN BREAK AND CAUSE PERSONAL INJURY OR DAMAGE.

WARNING: LEAVES, STICKS, WOOD, PAPER, CLOTHING, FOOD MATERIAL, SHOULD ALWAYS BE KEPT AWAY FROM THE FIREPIT. MAKE SURE THAT THERE IS NO VEGETATION OR OTHER OBJECTS OVER THE TOP OR SIDES OF THE FIREPIT THAT COULD INTERFERE WITH SAFE & PROPER OPERATION.

WARNING: IF LAVA ROCK IS WET, ALLOW FIRE PIT TO BURN FOR 45 MINUTES PRIOR TO COMING 15 FEET WITHIN FIRE PIT.

Fire Pit Start Up:

- 1) Confirm there is no debris in fire pit (as mentioned in warnings) including water.
- 2) Depress push button switch to begin spark.
- 3) Open manual valve by turning counter clockwise SLOWLY.
- 4) Release push button switch when flame is present.
- 5) Adjust valve to desired flame height.
- 6) While fire pit is in use, do NOT leave unattended.

Fire Pit Shutdown:

- 1) Close manual valve by turning clockwise- flame should extinguish.
- 2) Remove key and place in safe location away from children.
- 3) Once fire pit has cooled completely, use appropriate cover to protect fire pit.

Fire Pit Maintenance:

- 1) Keep fire pit covered at all times when not in use.
- 2) Keep any debris out of fire pit- clean as needed.
- 3) Ignition Battery: For changing, simply unscrew cap, replace battery, and tighten cap.

Installation Collars are available that can be mortared into enclosure and allow for fire pit to be easily removed for maintenance. Installation Collars measure as follows:

<u>Fire Pit Size</u>	<u>Collar I.D.</u>	<u>Collar O.D.</u>
19"	20"	26"
25"	26"	32"
31"	32"	38"
37"	38"	44"

Gas Line Construction: Main fire pit gas supply lines that transition from large ID to smaller ID (i.e. 1" ID supply line to 1/2" ID) line will result in more noticeable noise when burner is in operation. This is particularly noticeable when transition is installed inside fire pit structure. Installer should also minimize long runs of corrugated supply lines to fire pit. Utilizing smooth bore gas supply (hard pipe) lines, shorter flex lines and avoid steep ID transitions near interior of fire pit will reduce but not eliminate operational noise. Some noise is normal in burner operation.

FIRE PIT ACCESSORIES

You may want to use one of our log sets to further enhance the appearance. Our log sets come in Campfire style and Woodland style and are especially made for outdoor use.

You can visit our website at www.hearthproductscontrols.com to view our entire line of indoor and outdoor products. We design and build "CUSTOM FIRE PITS".