



Electronic Ignition Fire Pit Insert

Installation & Operation Instructions

Select Models
Certified to
ANSI Z21.97-2014
CSA 2.41-2014



Installation

We suggest that our products be installed by professionals that are locally licensed by the authority having jurisdiction in gas piping.

Service



We suggest that our products be serviced by a professional certified in the US by the National Fireplace Institute (NFI) as NFI Gas Specialists.

⚠ WARNING: FOR OUTDOOR USE ONLY

⚠ 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 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

If you smell gas:

- 1) Shut off gas to appliance.
- 2) Extinguish any open flame.
- 3) If odor continues, keep away from appliance and immediately call gas supplier or fire department.

⚠ 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 such as a camper, tent, car or home.

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

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1) General Information

Instructions are also available at HPCfire.com

Please carefully follow the instructions in this manual to prevent personal injury or property loss. Instructions are updated as needed. It is the installer's responsibility to periodically review instructions for applicable updates.

The steps listed as:

WARNINGS: Contains information critical to the safe installation and operation of the fire pit.

WARRANTY REQUIREMENT: Must be strictly followed to qualify for product warranty.

Warranty will be void if not followed.

IMPORTANT: Are notes and insights to help ensure product satisfaction and serviceability.

WARNING: It is the installer's responsibility to ensure a safe installation and to educate the end user as to proper operation. Leave this manual with the end user.

WARNING: Never alter product or configuration in any way.

WARNING: FOR REMOTE CONTROL / SHUTDOWN TIMER USE: Including but not limited to wall switches, hand held devices such as (cellphones, key fobs, remote controllers, timer controller, ect), business and whole house automated controlsystems. It is the user's responsibility to comply with the following guidelines:

- 1) Visual inspection
 - a. Visually ensure all covers are removed,
 - b. Visually ensure that the product is clear of people and any foreign debris prior to start-up
 - c. Visually ensure that the product is safe to start
- 2) Ensure product is monitored by a responsible adult during use.
- 3) When not in use, ensure power is off to the product to avoid accidental start-up of the product
- 4) Product is for use with electrical remote/timer control. Do not use with gas remote/timer controls.

WARNING: Not for use with any kind of automatic start-up timer.

WARNING: We suggest that our products be installed by professionals that are locally licensed by the authority having jurisdiction in gas piping. We suggest that our products be serviced annually by a professional certified in the US by the National Fireplace Institute (NFI) as NFI Gas Specialists or in Canada by WETT (Wood Energy Technical Training). Installer must follow all instructions carefully to ensure proper performance and safety. Hearth Products Controls Company is not responsible for your actions.

WARNING: Product is not intended to be a starter for wood or any other combustibles.

WARNING: Product is not for use with small LP Tanks and must utilize permanent fixed piping for fuel supply.

WARNING: It is the responsibility of the installer to follow:

- The *National Fuel Gas Code, ANSI Z223.1/NFPA 54* or *International Fuel Gas Code*.
- The *National Electrical Code, ANSI/NFPA 70*.
- Local Codes

WARNING: Only use gas/fuel type specified for this fire pit see label on the fire pit control Box. Verify correct gas/fuel type and pressure. Never use an alternative fuel to include bio-fuel, ethanol, lighter fluid or any other fuel.

Gas pressure and type should be checked prior to use and installation.

- Natural Gas Fire Pit:

- Supply Pressure: Minimum: 3.5" W.C.; Maximum: 7.0" W.C.

- Outlet Pressure: 3.5" W.C.

- LP Gas:

- Supply Pressure: Minimum: 8.0" W.C.; Maximum: 11.0" W.C.

- Outlet Pressure: 10.0" W.C.

2) Selecting the Location

WARNING: All fire pits, match lit kits, spark ignition, safety pilot and electronic ignition systems are designed and intended for outdoor use only.

WARNING: For electronic ignition models there must be an electrical shut off (wall switch or breaker) on the exterior of the fire pit or on adjacent wall to allow for emergency shutdown and maintenance.

WARNING: All fire pits must have a gas shutoff on the outside of the exterior of the fire pit to allow for emergency shut off and maintenance. The gas shutoff should not be used to adjust flame height.

WARNING: 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.

WARNING: Both children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns and clothing ignition.

WARNING: Young children should be carefully supervised when they are in the area of fire pit.

WARNING: Clothing or other flammable materials should not be placed on or near fire pit.

WARNING: Fire pits create very high temperatures - Combustibles must be located far enough away that there is no risk of ignition.

IMPORTANT: It is recommended that material such as granite, marble or other dense stone be kept away from heat and especially flame due to risk of cracking. Manufacturer is not responsible for damage.

Fire Pit Clearances – See Figures 1 and 2 On Last Pages	Up to 200k btu	201k ~ 400k btu
Under Valve Box When Applicable For Drainage	2"	2"
Sides Surrounding Fire Pit From Structure or Combustibles	36"	48"
Overhead Clearance Above Product	84"	Non Combustible Screen Only

- Select a location with good drainage and allows easy access for installation and maintenance of 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.

3) Construction of the Enclosure

WARNING: For electronic ignition models there must be an electrical shut off (wall switch or breaker) on the exterior of the fire pit or on adjacent wall to allow for emergency shutdown and maintenance. Verify correct 110VAC, 1 amp or 24VAC 4 amp Supply. All Electronic Applications should utilize a GFCI protected circuit.

WARNING: For 24V systems a Class II, 24VAC, 4 amps (14 gauge wire) must be supplied to the fire pit and able to be switched on and off from a remote location to allow for easy access or emergency.

WARNING: All fire pits must have a gas shutoff on the outside of the exterior of the fire pit to allow for emergency shut off and maintenance. The gas shutoff should not be used to adjust flame height.

WARNING: Use non-combustible materials and construction for gas supply, power and enclosure. A metal outlet box should be used inside the enclosure for electronic ignition models.

WARNING: The enclosure must incorporate 1 vent on at least two opposing sides (2 vents total) at a minimum size of 18 sq. inches of total free area each (Example: 3"x 6" or larger). Installation of the vents in the mid to lower area of the enclosure is recommended. Ventilation allows for heat and or residual fuel to escape. Failure to properly vent enclosure may result in the fire-pit overheating or explosion. Overheating could lead to heat damage to internal components. Some enclosures may require more ventilation based on material, size, and extended use. The vent may work as a drain as well when installed at bottom sidewall to prevent water build up.

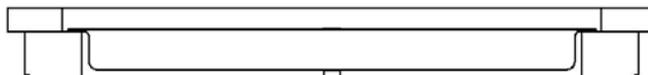
WARNING: The interior void space of the enclosure surrounding the valve box cannot be filled with any material (gravel, crushed rock, concrete, etc.)- It is a requirement to have a minimum of 2" under the valve box for proper ventilation and drainage.

WARNING: The fire pit assembly should be recessed a minimum of 2.25" from the top of the enclosure to protect flame from being blown out. Some areas may require more- 4 to 6".

WARRANTY REQUIREMENT: Do not daisy chain wiring for multiple Fire Pit installations. Each Fire Pit must have dedicated wiring.

WARRANTY REQUIREMENT: The enclosure must be constructed on a stable surface. The weight of the fire pit must be supported by the pan and not by any control/valve box. For electronic ignition models the control/valve box must be above grade with adequate drainage to prevent water damage to the controls inside the box.

- Make sure that the structure is level. We recommend the use of the installation collar (optional) that may be mortared into the surround.
- HPC recommends that the pan lip is recessed on trough (linear), and large round products as illustrated below. HPC cannot guarantee the lip on all of our products will be perfectly flat and will not warp due to heat.



IMPORTANT: Product must be accessible for service.

4) Installation of a Fire Pit

Installation

We suggest that our products be installed by professionals that are locally licensed by the authority having jurisdiction in gas piping.

WARNING: We suggest that our products be installed by professionals that are locally licensed by the authority having jurisdiction in gas piping.

WARNING: Confirm this appliance is built for gas used – natural gas or LP. Do not use natural gas appliance with LP or LP appliance with natural gas. Refer to the label on the appliance.

WARNING: To prevent damage, unhook fire pit from gas supply for pressure leak tests.

WARNING: Fuel line sizing is the responsibility of the installer and must be able to supply the stated maximum btu for the product.

WARNING: Burn Testing- It is the responsibility of the qualified installer to test for gas leaks at all connections.

WARNING: When filling the pan with lava rock and/or decorative glass, the instructions in Section 5 must be followed.

WARNING: Gas Plumbing Connections: Use only joint compound or tape 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.

WARNING: For systems with an extended or detached valve box the area in which the valve box is installed must conform with all installation requirements to include but not limited to location, construction, venting and local codes. Failure to do so may result in personal injury property damage or explosion.

WARRANTY REQUIREMENT: Electronic Ignition fire pits come with a 13” x 13” sheet of insulation between pan and valve box to protect internal components from heat damage. This may need to be trimmed on smaller enclosures for proper fit. Please use insulation at all times.

WARRANTY REQUIREMENT: For Electronic Ignition Models the Warranty is void if valve box is opened.

- Refer to cut sheets on our Web-Site for important dimensional information for your fire pit.
- Plan your project well in advance to comply with all instruction and codes and allow for access and serviceability of the product.
- Purge gas lines of air.
- Perform all leak test with leak detector or leak reactant.
- Verify correct gas type and pressure.
- Perform leak test on main gas supply. Repair leaks as necessary.
- Shut Off Gas Supply and Power to fire-pit.
- Connect fire-pit to main gas supply. If using flex line avoid sharp bends with flex line to prevent whistling.
- Turn on gas supply and perform leak test on all inlet connections. Repair as needed.
- For electronic ignition models hook up proper 110VAC or 24VAC electrical power following all local codes.
- On electronic ignition models The 6’ power cord can be either tied into the main power supply for use with wall switch or plugged into remote receiver to use remotely.
- Position fire pit safely with access to all gas connections for testing.
- Light fire pit. It may take several cycles to purge air from the lines.
 - For electronic ignition models apply proper 110VAC or 24 VAC.
- Once fire pit is lit perform leak test on all gas connections. Repair as needed.
- Turn off fire pit and allow to cool.
- Apply media as described in (Section 5).
- Turn on fire pit again and perform leak test with media correctly installed. If gas leak is detected verify correct media application and repair as needed.
- If trimmer valve is installed adjust flame to desired height. (Never alter the product configuration.)
- Set fire pit in properly constructed enclosure (Section 3).
- Verify correct operation and lighting.
- Review safety manual with end user and instruct not to change/ modify fire pit or media.
- Leave manual with end user.



IMPORTANT: On electronic ignition models please apply the Start Up and Shutdown decal next to control switch in an obvious position.

5) Media

WARNING: FOR GLASS MEDIA USAGE WITH LP GAS- WHEN USING APPROVED DECORATIVE GLASS TO COVER BURNER APPLY ONLY ENOUGH TO HIDE BURNER. APPLYING OVER 1/2” MAY CREATE BACK PRESSURE AND GAS LEAKAGE FROM AIR MIXER RESULTING IN LP POOLING UNDER FIRE PIT.

WARNING: FOR GLASS MEDIA USAGE WITH LP GAS- THE UNIT MUST BE TESTED WITH MEDIA OVER BURNER FOR CONFIRMATION OF NO BACK PRESSURE CREATING GAS TO LEAK OUT OF AIR MIXER VENTURI HOLES. THIS MAY HAVE TO BE DONE PRIOR TO PLACING IN ENCLOSURE IF NO ACCESS DOOR.

WARNING: The fire pit is designed to use approved media correctly installed over the burner to achieve proper combustion.

WARRANTY REQUIREMENT: Never install a mesh or screen under the media.

IMPORTANT: Media affects flame pattern greatly. It is possible to create an unusual flame pattern that could damage your

enclosure. Enclosure damage from an open flame fire feature is not covered under any warranty.

IMPORTANT: The use of concrete logs is not recommended.

Lava Rock & Glass Application

Please follow the instructions below to add the finishing touch to your fire pit. Particular attention needs to be on the pilot assembly area. Incorrect media installation will cause the pilot flame to suffocate and turn off pit or delay main burner ignition.

Lava Rock Only Application

- 1) Install your fire pit per instructions.



- 2) Apply lava rock ONLY deep enough to cover ring and pan- less than 2" above fire ring.



For Electronic Ignition

- 3) **Blow Out Box:** Do not cover vents with lava rock- leave open. Do not allow any rock to block flame opening.



- 4) **Blowout Box:** Do not cover blowout box vents or opening with lava rock or glass. Incorrect media installation will cause the pilot flame to suffocate and turn off pit or delay main burner ignition.

Decorative Glass Application

- 1) Install your fire pit per instructions.



- 2) Fill Pan with glass. Cover Burner with 1/8 to 1/4" of glass. Do not over fill with glass. All LP installations must be checked for back pressure with media installed. Failure to do so may result in personal injury or property damage.



For Electronic Ignition

- 3) **Blowout Box:** Do not cover blowout box vents or opening with lava rock or glass. Incorrect media installation will cause the pilot flame to suffocate and turn off pit or delay main burner ignition.



DO NOT COVER VENTS!



DO NOT COVER PILOT OPENING!

6) Parts Lists

- | | |
|---------------------------------|-----------------|
| 1) Electronic Ignition Fire Pit | 3) Cover |
| 2) Lava Rock | 4) Instructions |

7) Fire Pit 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 suspected, turn off the main gas supply and repair immediately.

WARNING: Do not use the enclosure as a seating area. Wind and gusty conditions will affect the flame in an unpredictable manner. If conditions exist that are not safe for patrons turn the fire pit off.

WARNING: Do not use fire pit if any part has been submerged under water. Immediately call a qualified service technician to inspect the fire pit.

WARNING: For electronic ignition models power to fire pit must be turned off via wall switch or breaker when not in operation.

WARNING: Never use any material that is non-porous and holds moisture such as 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: Solid fuels shall not be burned in the fire pit. Leaves, sticks, wood, paper, clothing, food material, should be kept away from the fire pit. Fire pit is not for cooking. Make sure that there is no vegetation or other objects over the top or sides of the fire pit that could interfere with safe operation. See clearances in section 2 Selecting the Location.

WARNING: If lava rock is wet, allow fire pit to burn for 45 minutes prior to coming within 15 feet of the fire pit.

WARNING: When fire pit is not in operation turn off gas valve.

WARRANTY REQUIREMENT: When not in use the fire pit must be covered at all times.

Electronic Ignition Fire Pit Start Up:

Initial Start-up: Several “on/off” cycles may be necessary to purge air in gas lines after system installation. Fire pit will lockout after 15 attempts to light pilot: Please power OFF then ON to restart.

Sequence of Operation:

1. The hot wire igniter will be powered (glow red) for 5 seconds before pilot valve opens.
2. The hot wire igniter will only be powered the initial 15 seconds of the 60 second pilot cycle. This sequence will repeat up to 15 times (~15 minutes) before going into lockout. To reset, turn “OFF” power then back “ON” again.
3. Pilot flame will ignite and warm thermocouple- it may take 30 seconds at times for thermocouple to get hot. If thermocouple is not hot in 60 seconds, system will shutdown then go back to Step 1.
4. Once thermocouple is hot, main valve will open allowing main burner to ignite.
5. If pilot flame is blown out at anytime, system will shutdown, then automatically restart (Step 1).

IMPORTANT: If power to the fire pit is turned “Off” then immediately turned back “On” the system will go into lockout mode. To reset, turn off, wait 5 minutes, then turn on.

- To reset after lockout, power unit down, wait 5 minutes, then restart.
- Once fire pit has ignited, **DO NOT** leave unattended.

WARNING: - **OVERHEATING:** The fire pit will automatically close gas valve if temperature exceeds 175° F inside valve box to prevent component damage. When unit cools below 175° F, the unit will automatically restart. To correct overheating, ensure enclosure has adequate ventilation- see “Construction of Enclosure”.

FIRE PIT START UP

1. **STOP! Read the safety information on “What to Do If Smell Gas” (Pg. 1).**
2. Ensure fire pit is clear of people, debris, that all covers are removed, and the feature is safe to start.
3. Turn “ON” electrical power and gas to fire pit.
4. Using wall switch or remote, turn “ON” fire pit- this may take several cycles to purge any air
5. To reset after lockout, power unit down, wait 5 minutes, then restart.
6. Never alter the design of the fire pit.
7. Ensure fire pit, children and patrons are supervised by a responsible adult that is familiar with emergency shut-down.
8. Flammable materials should not be placed on or near the fire pit.

This product is not for use with small tanks. It is intended to be connected to fixed piping systems only.

FIRE PIT SHUTDOWN

1. Turn “OFF” fire pit using remote control or wall switch.

IMPORTANT: FOR REMOTE CONTROL USE: YOU MUST ALSO TURN OFF POWER TO ELECTRICAL OUTLET OR GAS TO FIRE PIT TO PREVENT ACCIDENTAL START.

2. Once fire pit is cooled, use appropriate cover to protect fire pit.

8) Maintenance

WARNING: Any guard or protective device removed for servicing must be replaced prior to operating the fire pit.

WARNING: We suggest that our products be serviced annually by a professional certified in the US by the National Fireplace Institute (NFI) as NFI Gas Specialists.

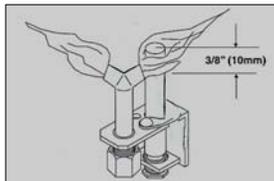
WARNING: Ensure gas and power (if applicable) are shut off and fire pit is cool before servicing.

- Keep fire pit covered at all times when not in use.
- Keep any debris out of fire pit- clean as needed.
- In some areas of the country spiders or insects have been known to build nest and or lay eggs in the venturi holes of the air-mixer for LP units. This can cause fuel to fill the fire feature cavity and result in personal injury or property damage. Periodical inspection by a qualified service technician of the air-intake is required to ensure your fire feature performs properly.
- Ring Cleaning: (1 x YR) If flames exhibit any abnormal shapes or behavior, or if burner fails to ignite properly, then the burner holes may require cleaning. The appliance can be cleaned by carefully removing the 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. If evidence of damage, fire ring must be replaced with fire ring specified by manufacturer.
- Thermocouple Cleaning of Soot: (1 x 6 mos. or as needed) Remove lava rock & glass around pilot, then the blow out box lid. Clean thermocouple of any soot using soft brush. Be careful not to damage hot wire element. Place lava rock or glass back as explained in section 5.
- Visually inspect the pilot- The pilot flame should cover 3/8" to 1/2" of the thermocouple as shown below. Cleaning of orifice may be required by removing the pilot tube and removing orifice as shown below. Perform leak test on pilot tube after re-assembly.

Service



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Orifice

9) Troubleshooting

Below are some potential causes and countermeasures to the symptoms indicated in bold. Please contact your retailer or certified technician for service & repair.

WARRANTY REQUIREMENT: Warranty is void if valve box is opened.

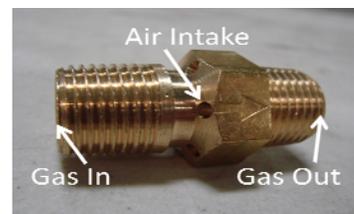
Hot Wire Will Not Glow

1. No power to unit.
2. Hi Limit Temp. Switch Tripping
3. Hot wire element damaged
4. Damaged wires.

Confirm breaker, wall switch, and remote are

Inadequate venting- see proper venting in "Construction of Enclosure"
Change hot wire element.

Inspect wires to hot wire- confirm insulation is in good condition and connections are tight.



No Pilot Flame (Hot Wire Glows)

1. Air in gas line.
2. Debris in gas line.
3. Gas Pressure Improper
4. Pilot Orifice Dirty

If new install, may take several attempts to purge air
Confirm gas line is clear (insulation, dirt, plastic etc.)
Confirm proper gas pressure (Section 1)
Remove pilot head and clean (Section 8)

No Main Burner (Pilot Lights)

1. Gas Pressure Improper
2. Small Pilot Flame
3. Dirty Thermocouple
4. Fire Ring Obstructed
5. Improperly applied Media

Confirm proper gas pressure (Section 1)
Remove pilot head and clean orifice. (Section 8)
Clean using soft brush (Section 8)
Confirm no debris or water in ring (Always cover fire pit!)
See (Section 5)

Main Burner Turning Off/On Frequently

1. Small Pilot Flame
2. Improperly applied Media
3. Gas Pressure Improper
4. Thermocouple Defective

Remove pilot head and clean orifice (Section 8)
See (Section 5)
Gas pressure too low (Section 1)
Change Thermocouple.

10) Replacement Parts

Please see list below for replacement parts as needed. Please contact your known dealer for these parts- if unsure please contact HPC and we will be happy to help you.

	Model #	Fire Ring	Pan	Flex Line	Control Box
Trough Style	24SSHWI-TRGH	TBSS-24	LFPSS-24	SSC-HC24	MVK HW50-X
	36SSHWI-TRGH	TBSS-36	LFPSS-36	SSC-HC24	MVK HW75-X
	48SSHWI-TRGH	TBSS-48	LFPSS-48	SSC-HC24	MVK HW100-X
	60SSHWI-TRGH	TBSS-60	LFPSS-60	SSC-HC24	MVK HW125-X
	72SSHWI-TRGH	TBSS-72	LFPSS-72	SSC-HC24	MVK HW150-X
Interlink	25x8SSHWI-L	LTBSS24	FLP25SS	SSC-HC24	MVK HW50-X
	37x8SSHWI-L	LTBSS36	FLP37SS	SSC-HC24	MVK HW75-X
	49x8SSHWI-L	LTBSS48	FLP49SS	SSC-HC24	MVK HW100-X
	61x8SSHWI-L	LTBSS60	FLP61SS	SSC-HC24	MVK HW125-X
	73x8SSHWI-L	LTBSS72	FLP73SS	SSC-HC24	MVK HW150-X
	97x8SSHWI-L	LTBSS96	FLP97SS	SSC-HC24	MVK HW200-X
Bowl Style Round Burner	13SSHWI	FRS-12	570-13	SSC-HC24	MVK HW90-X
	19SSHWI	FRS-12	570-19	SSC-HC24	MVK HW90-X
	25SSHWI	FRS-18	570-25	SSC-HC24	MVK HW150-X
	31SSHWI	FRS-24	570-31	SSC-HC24	MVK HW250-X
	37SSHWI-HC	FRS-30HC	570-37	SSC-HC24	MVK HW250HC-X
	43SSHWI-HC	FRS-36HC	570-43	SSC-HC24	MVK HW400HC-X
Flat Style Round Burner	14FSSHWI	FRS-12	571-14	SSC-HC24	MVK HW90-X
	18FSSHWI	FRS-12	571-18	SSC-HC24	MVK HW90-X
	24FSSHWI	FRS-18	571-24	SSC-HC24	MVK HW150-X
	30FSSHWI	FRS-24	571-30	SSC-HC24	MVK HW250-X
	36FSSHWI-HC	FRS-30HC	571-36	SSC-HC24	MVK HW250HC-X
	42FSSHWI-HC	FRS-36HC	571-42	SSC-HC24	MVK HW400HC-X
Bowl Style Penta Burner	Penta 19 HWI	Penta 12	570-19	SSC-HC24	MVK HW65-X
	Penta 25 HWI	Penta 18	570-25	SSC-HC24	MVK HW140-X
	Penta 31 HWI	Penta 24	570-31	SSC-HC24	MVK HW200-X
	Penta 37 HWI	Penta 30	570-37HC	SSC-HC24	MVK HW250HC-X
	Penta 43 HWI	Penta 36	570-43HC	SSC-HC24	MVK HW400HC-X
Flat Style Penta Burner	Penta 18 HWI	Penta 12	571-18	SSC-HC24	MVK HW65-X
	Penta 24 HWI	Penta 18	571-24	SSC-HC24	MVK HW140-X
	Penta 30 HWI	Penta 24	571-30	SSC-HC24	MVK HW200-X
	Penta 36 HWI	Penta 30	571-36HC	SSC-HC24	MVK HW250HC-X
	Penta 43 HWI	Penta 36	571-42HC	SSC-HC24	MVK HW400HC-X
H Style	24x12SSHWI-H	HBSB18x6	570 24x12	SSC-HC24	MVK HW75-X
	30x12SSHWI-H	HBSB24x6	570 30x12	SSC-HC24	MVK HW100-X
	36x14SSHWI-H	HBSB30x8	570 36x14	SSC-HC24	MVK HW125-X
	42x14SSHWI-H	HBSB36x8	570 42x14	SSC-HC24	MVK HW150-X
	54x16SSHWI-H	HBSB48x10	570 54x16	SSC-HC24	MVK HW200-X
Square	18FSSHWI-SQ	FRSQ12x12	571 18 SQ	SSC-HC24	MVK HW90-X
	24FSSHWI-SQ	FRSQ18x18	571 24 SQ	SSC-HC24	MVK HW150-X
	30FSSHWI-SQ	FRSQ24x24	571 30 SQ	SSC-HC24	MVK HW250-X
	36FSSHWI-SQ	Pents30	571 36 SQ	SSC-HC24	MVK HW250-X
	42FSSHWI-SQ	Penta36	571 42 SQ	SSC-HC24	MVK HW400-X

Thermocouple	311-T/C
Igniter Repair Kit	HWI-913/Shield
Pilot Gas Line	654
Blow Out Box	598HWI
Insulation	FPI-13SQ
Remote Control	578-C
Lava Rock	657

11) Warranty

Limited Warranty

Hearth Products Controls Company (HPC) warranties HWI fire pits against manufacturing defects that prevent safe a function as follows:

- **Electronics, Gas Valve, : Commercial-1yr; Residential- 3 yr.**
- **Pilot Assy : Commercial-1 yr.; Residential-2 yr.**
- **Stainless Steel Pan, Fire Ring, & Valve Box: Commercial-1yr.; Residential 5yrs.**

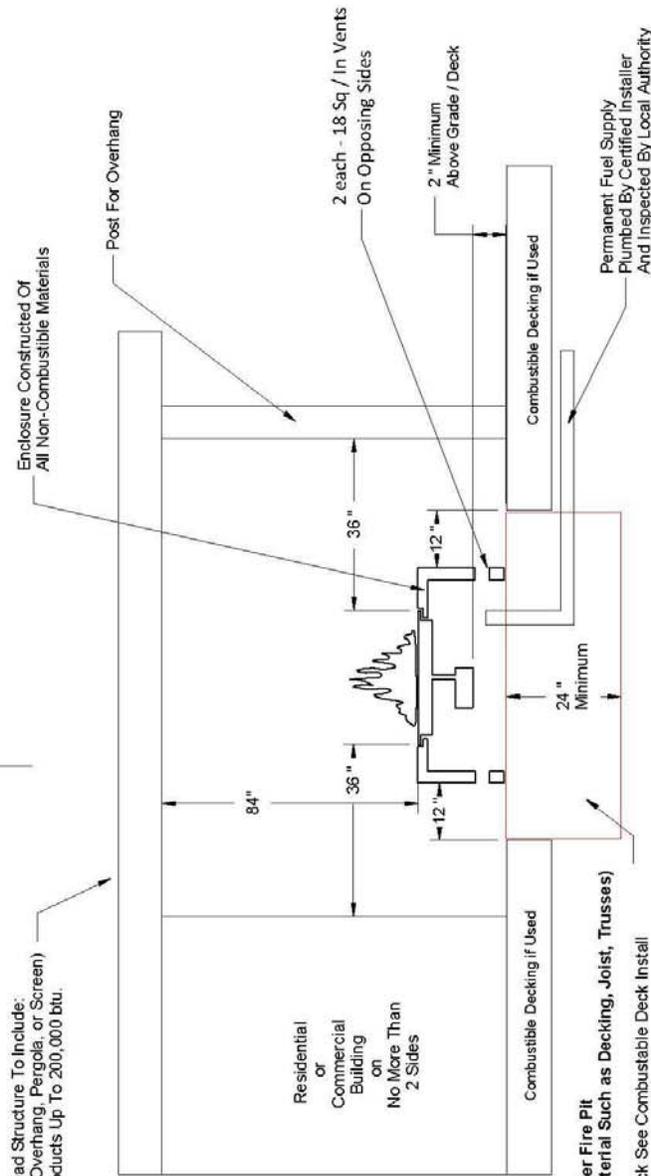
This commences from the date of original sale / shipment from HPC FOB Dayton, Ohio.

This warranty is for parts and in-house (HPC) labor. The defective product must be sent back to HPC with a Return Merchandise Authorization (RMA) issued by HPC for that specific product and any other additional information for the nature of the defect or warranty claim.

The warranty does not cover items that have been damaged by overheating, modification, abuse, or improper storage. Also any labor involving installation or maintenance with the unit is not covered.

This warranty excludes claims for consequential, indirect-collateral expenses arising from product defects or warranty recovery.

**Figure 1 - Up To 200,000 btu
For Outdoor Use Only**



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

Overhead Structure To Include:
(Roof, Overhang, Pergola, or Screen)
For Products Up To 200,000 btu.

Residential or Commercial Building on No More Than 2 Sides

Enclosure Constructed Of All Non-Combustible Materials

Post For Overhang

2 each - 18 Sq / In Vents On Opposing Sides

2" Minimum Above Grade / Deck

Combustible Decking If Used

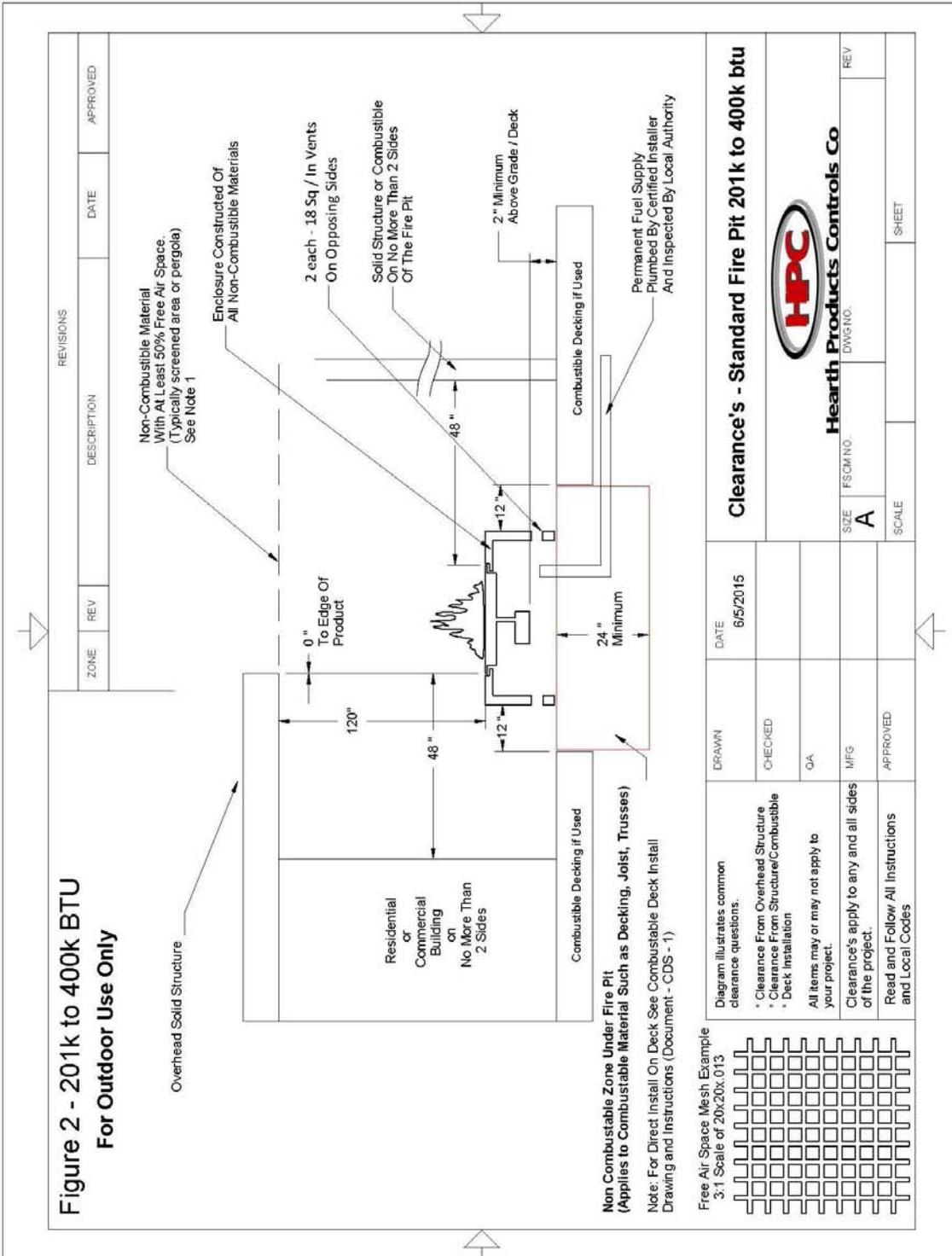
24" Minimum

Combustible Decking If Used

Permanent Fuel Supply Plumbed By Certified Installer And Inspected By Local Authority

**Non Combustible Zone Under Fire Pit
(Applies to Combustible Material Such as Decking, Joist, Trusses)**
Note: For Direct Install On Deck See Combustible Deck Install Drawing and Instructions (Document - CDS-1)

Diagram illustrates common clearance questions.	DRAWN	DATE	Clearance's - Standard Fire Pit Up To 200k btu	
* Clearance From Overhead Structure	CHECKED	6/5/2015	HPC	
* Clearance From Structure/Combustible Deck Installation	O/A		Hearth Products Controls Co	
All items may or may not apply to your project.	MFG		SIZE	REV
Clearance's apply to any and all sides of the project.	APPROVED		A	
Read and Follow All Instructions and Local Codes			FSCM NO	DWG NO
			SCALE	SHEET



**Figure 2 - 201k to 400k BTU
For Outdoor Use Only**

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

Overhead Solid Structure

Non-Combustible Material With At Least 50% Free Air Space (Typically screened area or pergola) See Note 1

Enclosure Constructed Of All Non-Combustible Materials

2 each - 18 Sq / In Vents On Opposing Sides

Solid Structure or Combustible On No More Than 2 Sides Of The Fire Pit

2" Minimum Above Grade / Deck

Combustible Decking If Used

Permanent Fuel Supply Plumbed By Certified Installer And Inspected By Local Authority

Residential or Commercial Building on No More Than 2 Sides

Combustible Decking If Used

Non Combustible Zone Under Fire Pit (Applies to Combustible Material Such as Decking, Joist, Trusses)

Note: For Direct Install On Deck See Combustible Deck Install Drawing and Instructions (Document - CDS - 1)

Free Air Space Mesh Example
3:1 Scale of 20x20x.013

Diagram illustrates common clearance questions.	DRAWN	DATE	6/5/2015
* Clearance From Overhead Structure	CHECKED		
* Clearance From Structure/Combustible Deck Installation	QA		
All items may or may not apply to your project.	MFG		
Clearance's apply to any and all sides of the project.	APPROVED		
Read and Follow All Instructions and Local Codes			

Clearance's - Standard Fire Pit 201k to 400k btu

HPC
Hearth Products Controls Co
DWG NO.

SIZE: A
FSC/MNO.
SCALE: SHEET: REV:

Note 1: 50% Free Air Space Minimum. HPC is not responsible for screen that melts. For Non-Combustible Screening a 20 x 20 x .013 wire mesh thickness or courser (More Open Space) For all other Non-Combustible coverings an on-site estimate of Free Air Space will be necessary.