

Installation, Requirements and Suggestions

For Fire Rings, Fire Pit Kits, and Complete Fire Pits

Maximum BTU Input

Maximum BTU Input capacity of the rings is determined by the hub size so all rings using the same size hub will have the same *maximum* input capacity. Those maximums are as follows:

	<u>Nat Gas at ½ PSI</u>	<u>LP Gas at 11.0 inches W.C.</u>
½” Hub	291,000 BTU	90,000 BTU w/ orifice on 90k system
¾” Hub	608,000 BTU	150,000 BTU w/ orifice on 150k system
1” Hub	1,146,000 BTU	270,000 BTU w/ orifice on 270k system

In reality, it is practically impossible to reach these maximums. This capacity will be reduced by several factors in the fuel supply system such as; capacity of system between origin and connections to ring, type of pipe, size of pipe, length of run, LP orifice, number of turns in the line, capacity of valve, line pressure, altitude, and more. *–It is always best to consult with your plumber to be sure you have enough supply to make sure you have a full flame pattern.–*

Fire Pits, Fire Rings and Complete Fire Pits are for outdoor use only.

Clearance from Combustibles

These products create very high temperatures, so it is very important that combustibles are kept at a safe distance. Wooden surfaces must be located far enough away that they do not reach a temperature of more than 100° F plus ambient air temperature (example: if surrounding air temperature is 70° F surface temperature must stay at or below 170° F.)

	<u>Fire Ring Only</u>	<u>Fire Ring w/ Pan</u>	<u>Pit Kit Only</u>	<u>Pit Kit w/ Pan</u>	<u>Complete Fire Pit w/ Valve Box</u>
<u>Under</u>	8”	6”	8”	6”	6”
<u>Sides</u>	10”	10”	10”	10”	10”
<u>Over</u>	72”	72”	72”	72”	72”

Preparation of Pit for Installation

****PLEASE READ INSTRUCTIONS THOROUGHLY FOR SAFETY WARNINGS & WARRANTY REQUIREMENTS PRIOR TO CONSTRUCTION OF ENCLOSURE****

We recommend that our products be installed and serviced by professionals who are certified in the U.S. by N.F.I (National Fireplace Institute) or in Canada by WETT (Wood Energy Technical Training.) Installer must follow all instructions carefully to ensure proper performance and safety. To assure stability, prevent leaks, and assure proper ignition; to the following instructions one must adhere.

1. For LP installations the fire ring must rest on a solid surface such as: Our HPC burner pan (aluminum or stainless steel), Concrete, Soil, Sand, Sheet Metal. For Natural Gas installations, any of the above may be use din addition to other materials such as lava rock, stones, gravel, brick or concrete blocks.
2. The fire ring should be enclosed around the circumference with a non-combustible material. Electronic fire pits: Enclosure must include venting with a minimum of 18 Sq Inches air intake.
3. The fire ring should be down about 4” from the top of the enclosure but no more than 8”.
4. The fire ring is designed so the holes are on the top. Since LP (propane) is heavier air and tends to sink it is more difficult to light from above. It is strongly recommended that in LP installations the holes are left facing up.
5. We recommend the use of our stainless steel wire mesh grates be used on top of the fire ring. Lava rock or glass can then be placed on top of the grate. If the grate is not used, fill area around and over the ring with a filler (we highly recommend lava roc; **657-1**) to a depth of about 1” over the ring. Build up the area to as much as 2” in the middle. Lava rock is included in the fire pit kits (FP kits) as well as the complete fire pits. Use a fireplace poker to move the rocks around to create the flame effect you want. You might also want to use one of our log sets to further enhance the appearance. Our log sets are made especially for outdoor use.