



Designed for Brewing.
Built to Last.

BrewBuilt™ AFTERBURNER™

The Ultimate Brewing Burner

Thank you for purchasing a BrewBuilt™ Afterburner. Designed specifically for the brewing of beer this modular burner can be used as a stand alone burner or connected with other Afterburners, using an optional connection package, to create your own horizontal all-grain brewing stand.

Safety Information: Please read the following IMPORTANT safety information before use:

Danger:

- **Do Not** operate your Afterburner indoors. The Brewbuilt Afterburner is designed for outdoor use only.
- **Do Not** exceed the weight limit of 250 lbs per burner.
- **Do Not** operate this burner unattended. User must stay in the immediate area and have a clear view of the burner at all times.
- **Do Not** heat cooking oil with your Afterburner.
- **Do Not** allow children near the Afterburner when in-use.
- **Do Not** use close to combustible materials.
- **Do Not** use under any overhead construction.
- **Do Not** operate on uneven surfaces.
- **Do Not** attempt to light the burner without a Kettle containing liquid placed on top of the burner.
- **Do Not** move the burner while in use.
- **Do Not** use this burner with any regulator other than the model supplied.
- **Do Not** modify this burner.
- **Do Not** use an LP tank if visibly rusty, damaged, or out of date.
- **Do Not** use this burner while under the influence of drugs or alcohol.
- **Always** keep the black gas hose away from the flame and heated surfaces of the burner at all times.
- **Always** check for gas leaks before each use by applying soapy water to all connections.
- **Always** have a fire extinguisher nearby at all times.
- **Always** use 10' away from construction.
- **Always** shut off the gas valve at the tank and extinguish any open flame if you smell gas. If odor continues stay away from the burner and propane tank and immediately call your fire department. Always call the fire department in the case of a fire.

Warning! – Combustion by-products produced when using this product contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Assembly

1. Connect the included regulator assembly to the burner (picture 1) using two adjustable wrenches.
2. Connect the other end of the regulator assembly that has a green plastic coupling nut to a LP (Liquefied Petroleum Gas) tank (picture 2) that is in accordance with specifications of the US Department of Transportation (DOT). The propane tank used with this burner must have a protective collar to protect the tank valve.

Ignition

1. Close the regulator valve by turning it clockwise (picture 3) until it stops.
2. Open the tank valve to the full on position by turning counter clockwise. You should not hear any gas at this point. If you do hear gas, then shut off the tank valve and test the regulator to tank connection with soapy water. Reconnect regulator and retest or replace the LP tank if necessary.
3. Prior to lighting the burner place a kettle with liquid on the burner and adjust the air intake adjustment plate to be open the width of a pen or pencil. (picture 4)
4. Insert a long lighter or match to light the burner. Insert lighter or lit match through ignition hole in burner ring.
5. Slowly open the regulator counter clockwise. When you hear gas flowing immediately ignite the flame with your lighter or match. If the flame does not immediately ignite turn off regulator, allow gas to disperse, and try again.



Picture 1



Picture 2



Picture 3



Picture 4

Adjusting the flame

Efficient Mode – Adjusting for maximum Fuel Efficiency

With burner lit and regulator approximately half way open adjust the air intake adjustment plate closed until the flame turns yellow – this means there is not enough air. Then turn it back open until the flame turns blue. Stop adjusting it open when the blue flame begins to dance off the burner – this means there is too much air. If you then increase gas flow from the regulator you may have to readjust the air intake adjustment plate. Dialed in for efficiency the Afterburner will produce approximately 60,000 to 75000 btu/hr and will be noticeably quiet. Efficiency Mode is our recommended mode for most applications.

Afterburner Mode – Adjusting for maximum btu output

The Afterburner can be adjusted for faster time to boil by opening both the regulator fully open and the air intake adjustment plate to the fully open position. This will allow maximum fuel and air into the burner. The burner will be noticeably louder. When you turn the burner off in Afterburner mode, you will notice a pop noise in the burner as the flame cuts off. Afterburner mode will produce approximately 95,000 to 100,000 btu/hr.

Comparing Afterburner Mode to Efficiency Mode

When compared with Efficient Mode, time to boil will be reduced by approximately 25% while overall fuel consumption required to reach a boil will be increased by approximately 20%.