



Filling with Butane Fuel:

- Obtain a cylinder of good quality Butane “lighter” fuel.
- Fully read and fully understand manufacturer’s instructions on butane cylinder before using. Butane is highly flammable. Do not fill near spark or flame sources.
- If refilling, be sure the torch has cooled for 5 full minutes before refilling.
- Fill in a well ventilated area.
- To fill, hold torch with tip pointing downward, insert butane cylinder discharge tube fully into fill valve and over hollow center pin of fill valve then apply downward pressure to release butane fuel into torch tank.
- A complete 1.3 oz. filling takes only 5-10 seconds. If butane fuel overflows STOP IMMEDIATELY.
- NOTE: Overfilling will cause torch sputtering during operation.
- Allow the tank pressure to equalize for several minutes before igniting torch.

Set-Up:

- Fill with butane fuel per “Filling with Butane Fuel” section of instructions.
- The torch is assembled without the High-temp, conical soldering tip and Ceramic Flame Catalyst Grid installed and is ready for conventional, exposed pinpoint flame use.
- If a flameless, concentrated heat is source is desired, prior to lighting, unthread the retaining ferrule, drop the Ceramic Flame Catalyst Grid attachment through the Flame Shell, then finger-tighten the retaining ferrule.
- For use as a soldering iron, prior to lighting, install the Ceramic Flame Catalyst Grid attachment as described above, then thread the Conical Soldering Tip in place on the Ceramic Flame Catalyst Grid attachment.

OPERATION – Ignition:

- Be sure the exhaust port is directed upward. (Loosen black plastic ferrule, reposition exhaust port and retighten ferrule if required).
- Position the Flame Setting Valve located on the right side halfway between (+) and (-).
- Depress the red safety lock button while simultaneously pushing in the ignition switch button sharply. This will ignite the torch.
- Move the sliding continuous flame/off switch located on the left side of the torch to the rear of the torch then release thumb pressure from the ignition switch. This will lock the flame on “continuous”.
- Move the Flame Setting Valve toward (+) to increase flame and toward (-) to decrease.
- Note: With the Ceramic Catalyst Grid attachment in place, no actual flame is visible during operation. Allow a minute or two to allow the Ceramic Catalyst Grid to glow orange then it will transfer heat outward through the nozzle or into the Conical Soldering Tip if installed.
- The Soldering Iron Tip may be used as a conventional electric soldering iron for soldering applications.

OPERATION – Shut-off:

- Move the sliding continuous flame/off switch located on the left side of the torch forward to shut off fuel supply extinguishing the torch.
- Place the torch upright in its stand on a non-flammable surface and allow cooling for a full 5 minutes before storing.

Troubleshooting:

- Flame doesn’t appear to ignite:
 - With the Ceramic Catalyst Grid attachment in place, no actual flame is visible during operation. Wait for the Ceramic Catalyst Grid to glow orange before use.
- Flame doesn’t ignite, grid does not glow.
 - Torch may be out of butane fuel. Check fuel level and fill if required. (See filling procedure).
 - Ceramic Catalyst Grid may be broken. Inspect for damage. DO NOT IGNITE TORCH IF BROKEN.