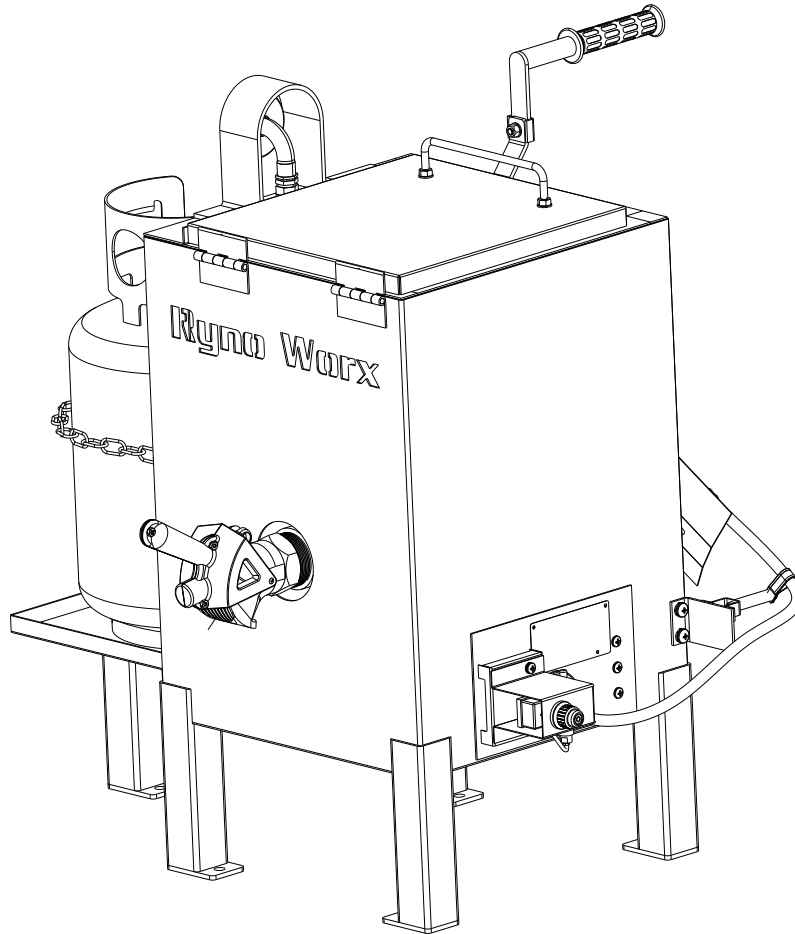


Ryno Worx



RY10MK-Pro - Owner's Manual

10 Gallon Direct Fire Melter Kettle
Burner Model with Flame Out Sensor

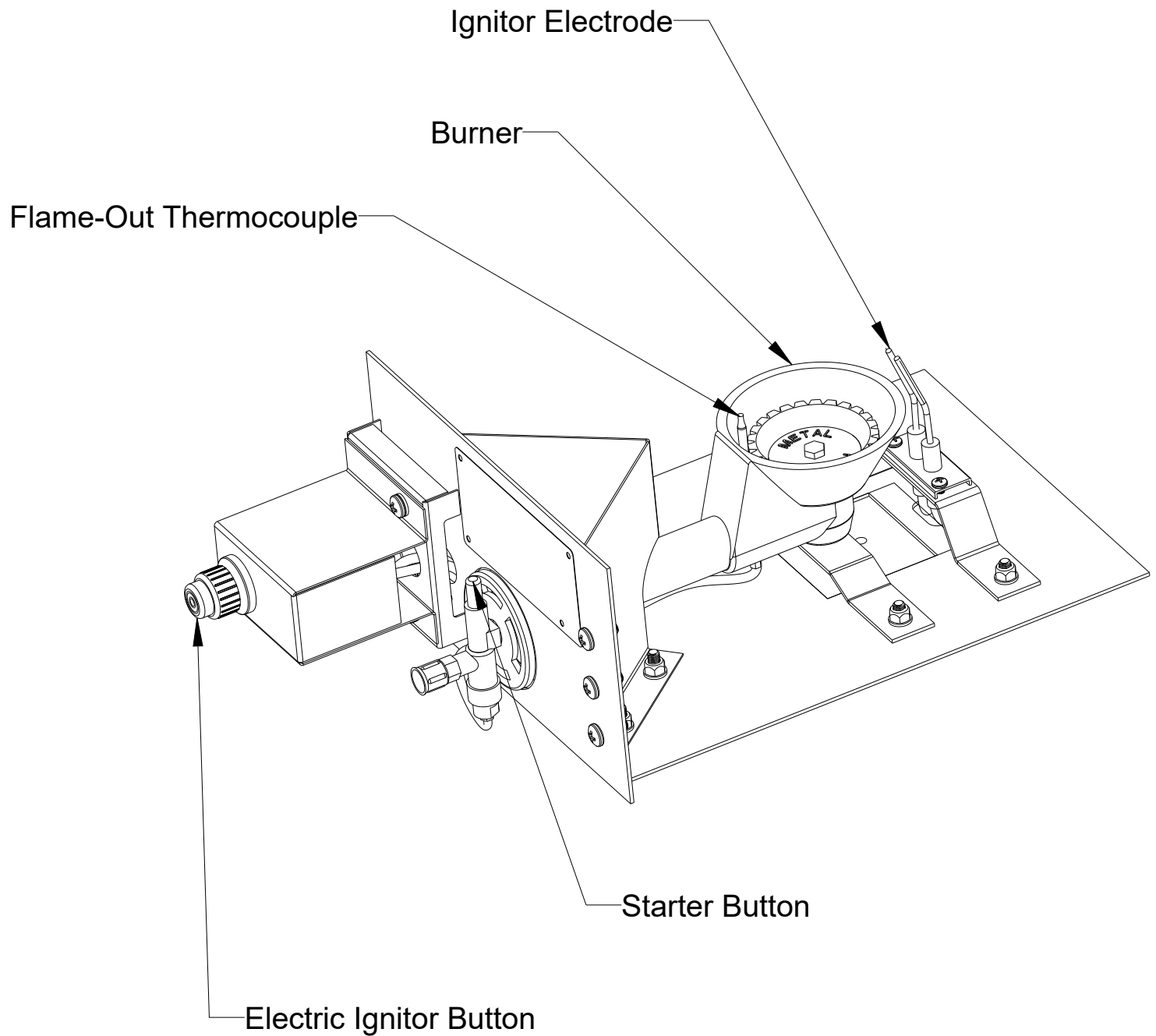
US Patent Pending



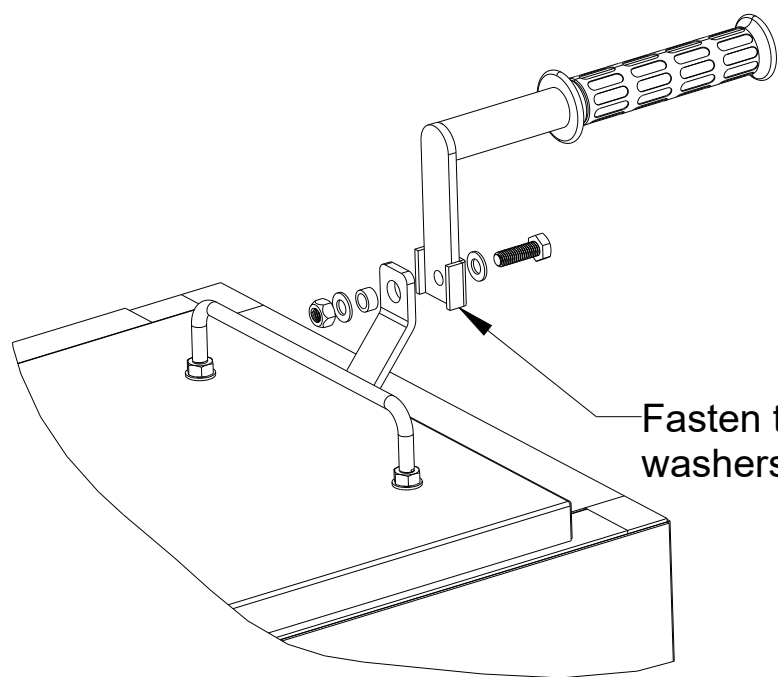
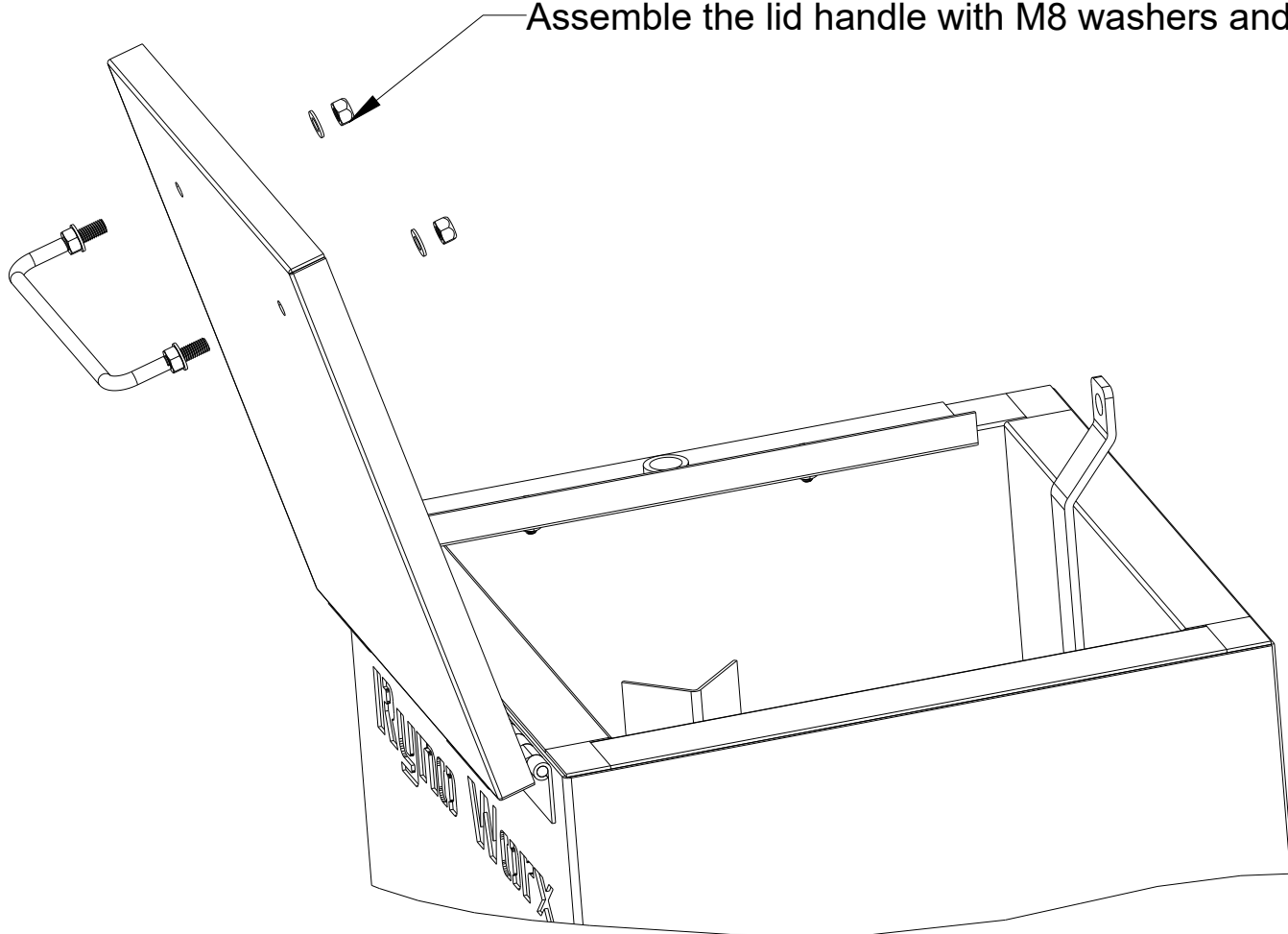
WARNING

- ⚠ Read all instructions and warnings in this manual before attempting to operate this equipment.
- ⚠ This equipment is designed for outdoor use only.
- ⚠ Be sure to always wear personal protective equipment when operating this equipment.
- ⚠ Improper assembly may be dangerous. Please follow the assembly instructions in this manual. Make sure all parts are assembled and hardware is fully tightened before using. Make sure that there are no leaks in the liquid propane cylinder connection or lines.
- ⚠ Do not operate the equipment if a gas leak is present.
- ⚠ Do not attempt to disconnect the gas regulator from the tank or any gas fitting while the equipment is in use.
- ⚠ A dented or rusty liquid propane tank may be hazardous and should be checked by your liquid propane supplier. Do not use a liquid propane tank with a damaged valve.
- ⚠ Do not store spare liquid propane cylinders within 10 feet (3m) of this equipment.
- ⚠ Do not store or use gasoline or other flammable liquids or vapors within 25 feet (8m) of this equipment.
- ⚠ Before servicing, make sure the unit is fully cooled and the liquid propane cylinder is disconnected.
- ⚠ Only genuine Ryno Worx replacement parts should be used for any replacements or repairs. Do not attempt to modify or alter this product in any way.
- ⚠ Do not attempt to make any repairs to gas carrying, gas burning, igniter components or structural components. Your actions, if you fail to follow this warning, may cause a fire, an explosion, or structural failure resulting in serious personal injury or death as well as damage to property.
- ⚠ This equipment should only be used with "Direct Fire" hot melt crack sealant.
- ⚠ Failure to follow these instructions could result in fire or explosion which could cause property damage, personal injury or death.

Burner Assembly

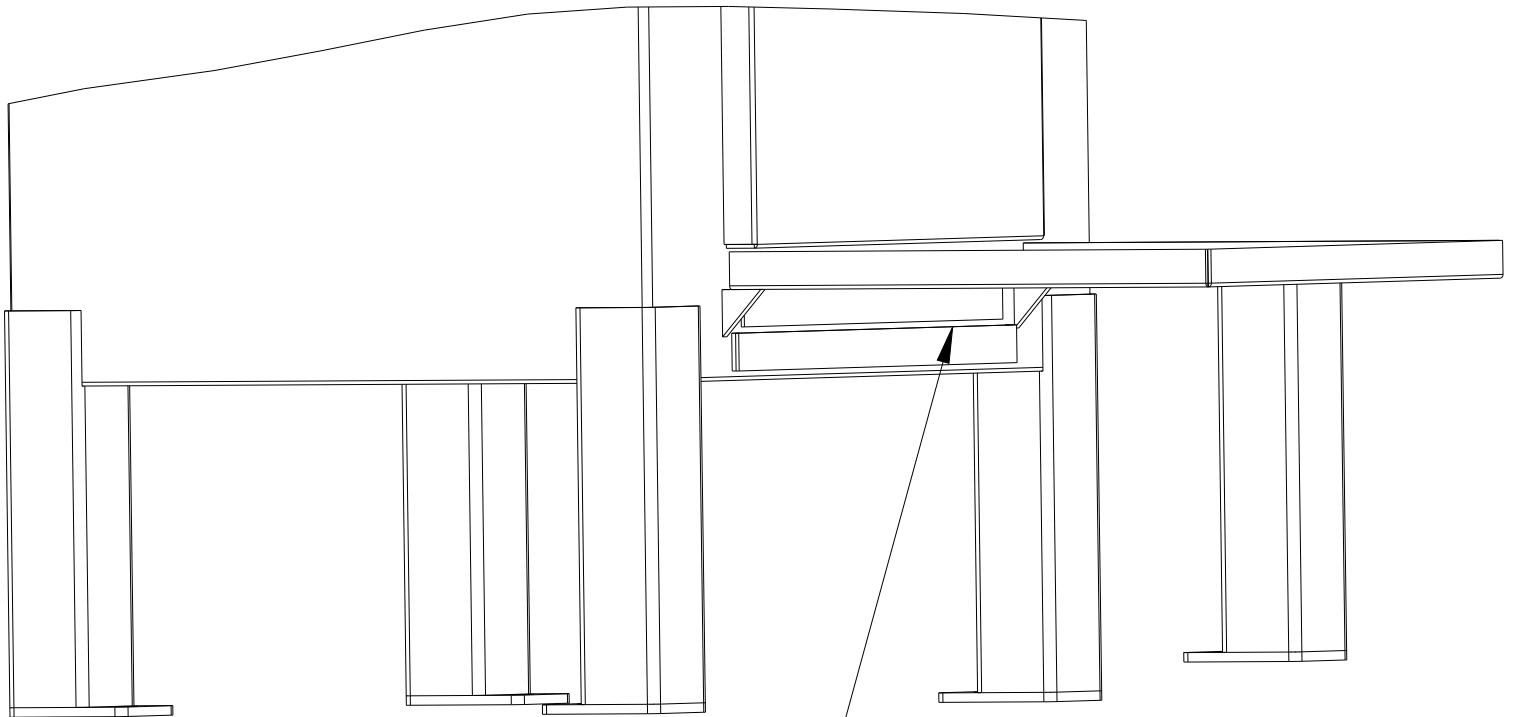
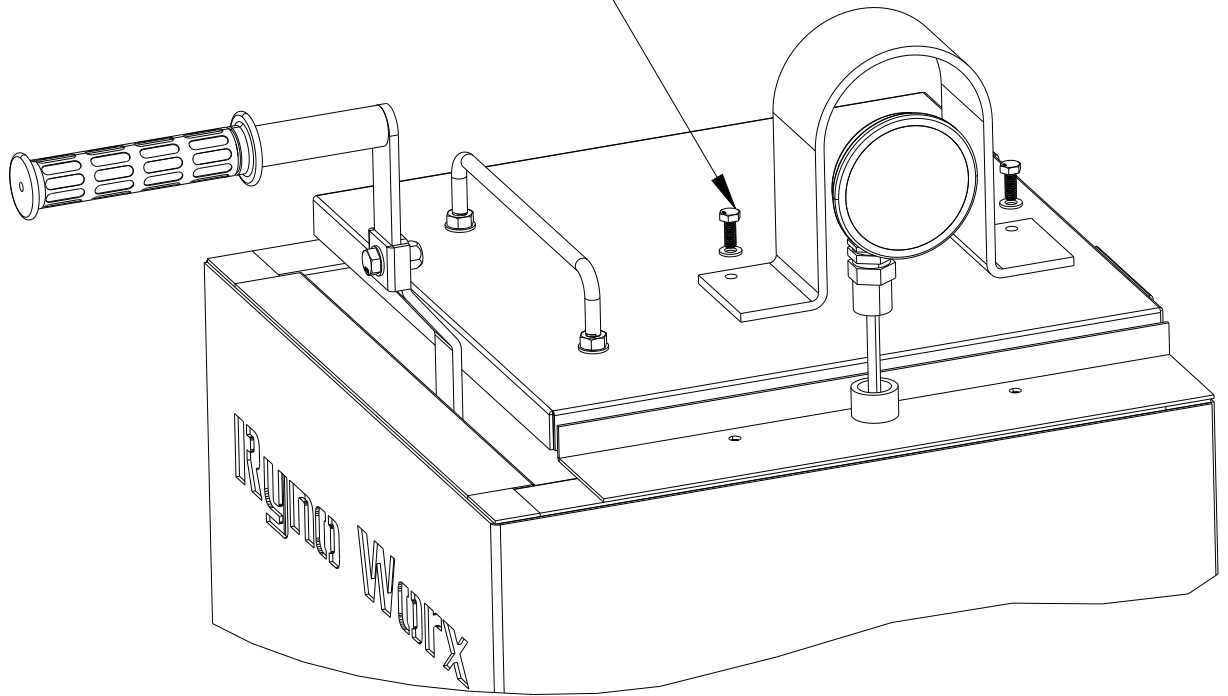


Assemble the lid handle with M8 washers and locknuts.

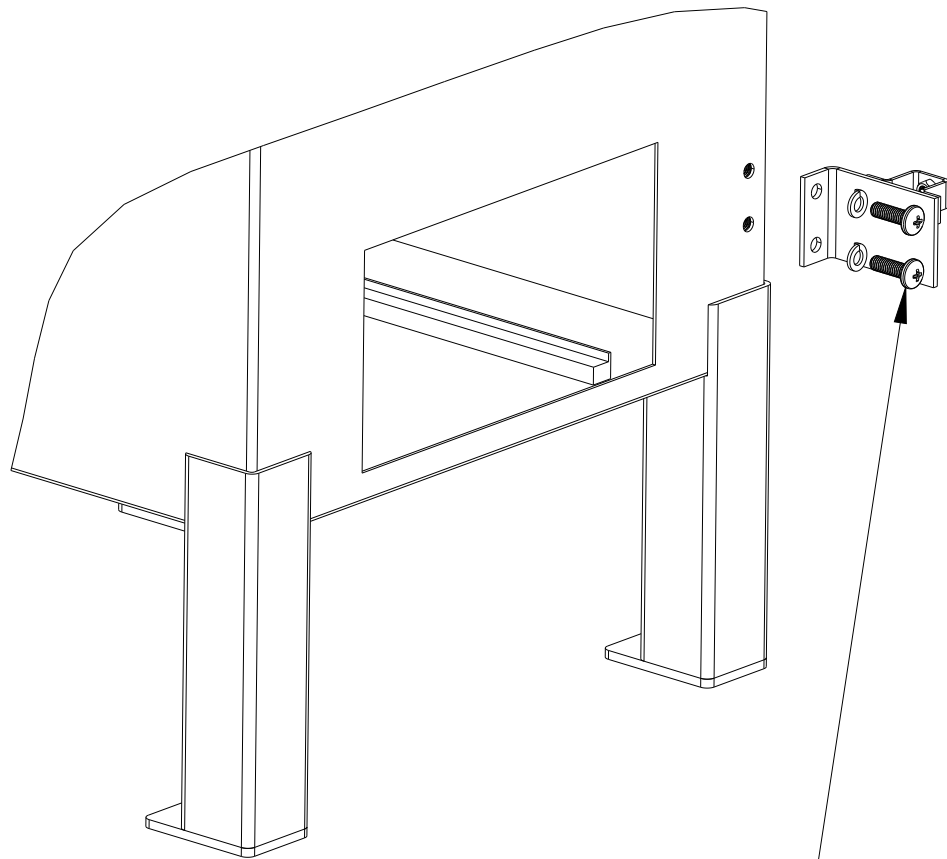


Fasten the agitation handle with a 25 mm M8 bolt, washers, spacer, and locknuts as shown.

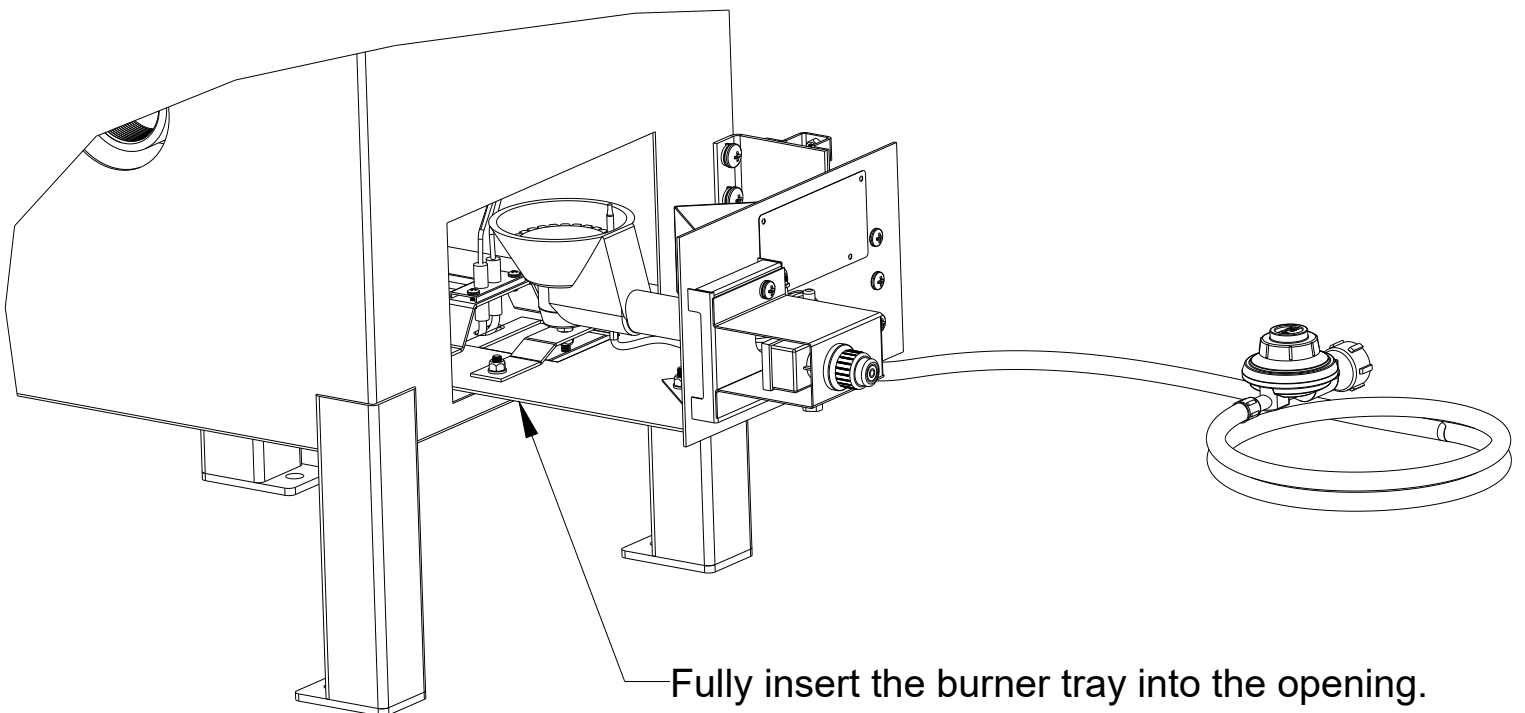
Fasten the thermometer and thermometer guard as shown.



Insert the shelf tab into the slot on the kettle as shown.

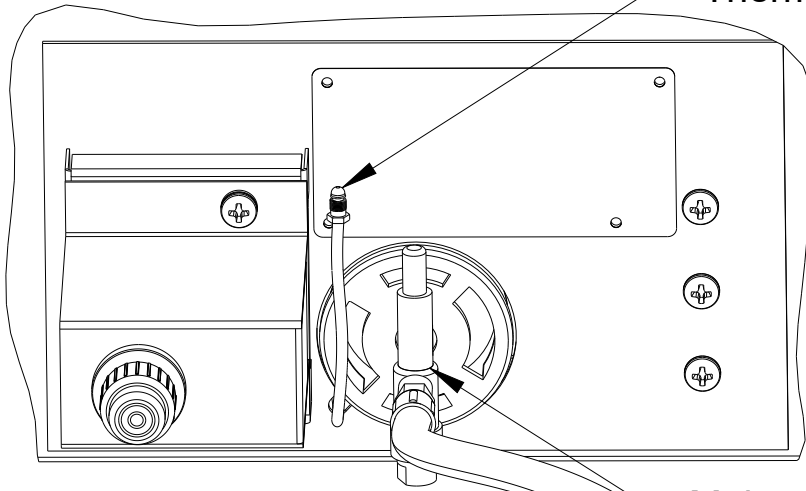


Fasten the propane hose bracket with two 25 mm M8 screws and split lock washers as shown.

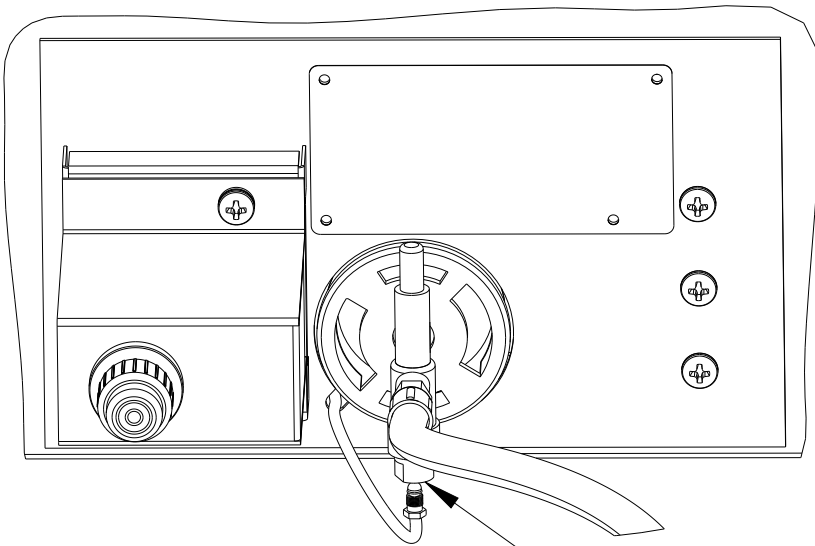


Fully insert the burner tray into the opening.

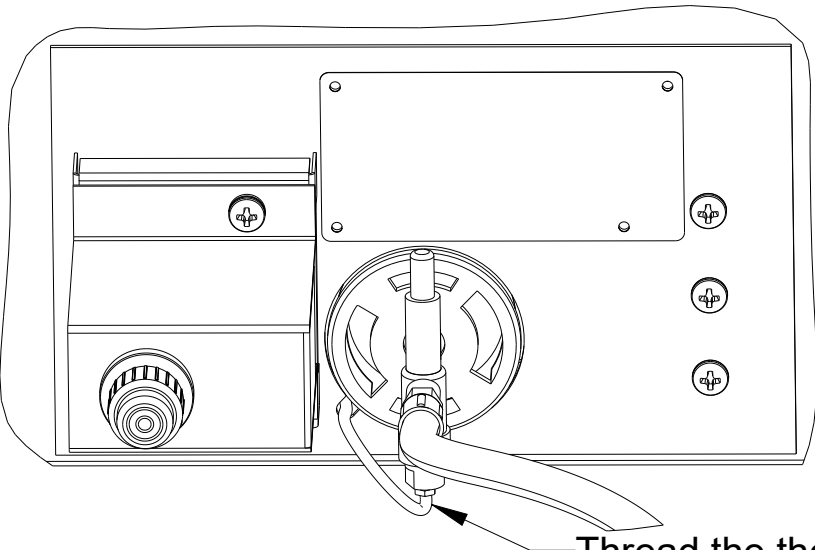
Thermocouple Threaded Connector



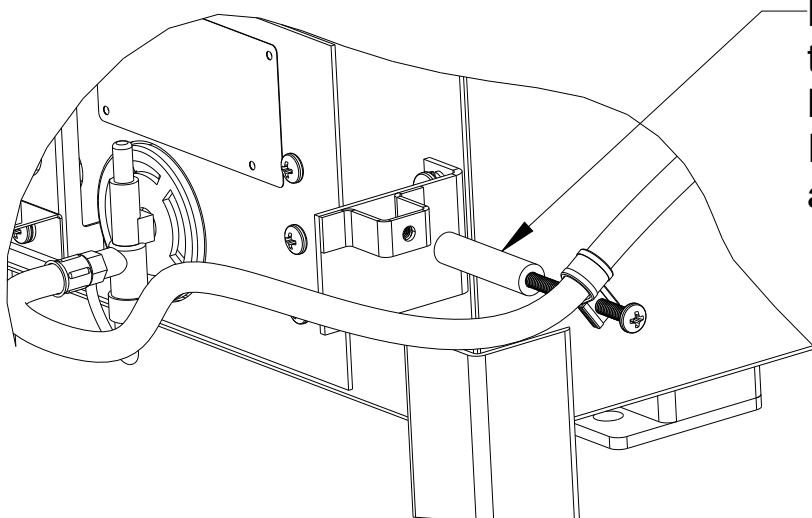
Make sure the flame-out valve and hose are fully threaded into the burner and in the vertical position shown.



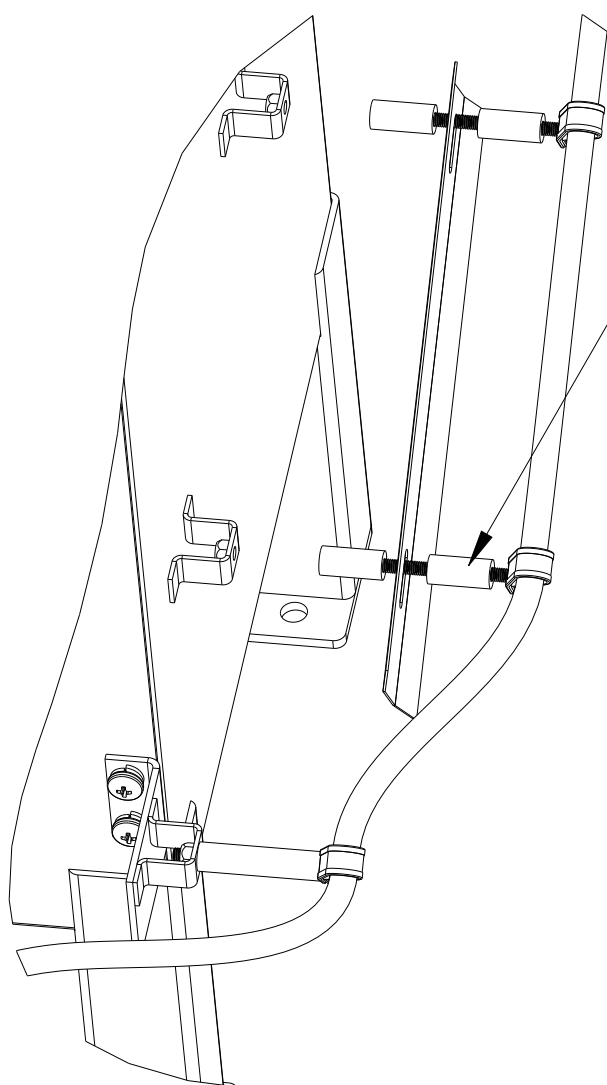
Bend the thermocouple wire and connector into position below the flame-out valve.



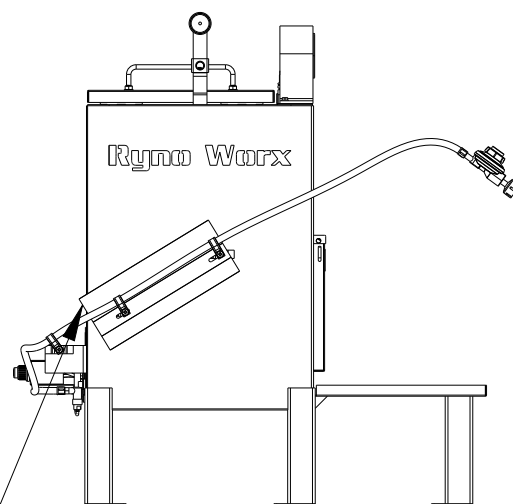
Thread the thermocouple into the flame-out valve and firmly tighten with a wrench or pliers.



Put the cushioned hose clamp over the propane hose and insert a 80 mm M6 screw through the clamp. Insert the screw into the long sleeve and thread into the mounting bracket.

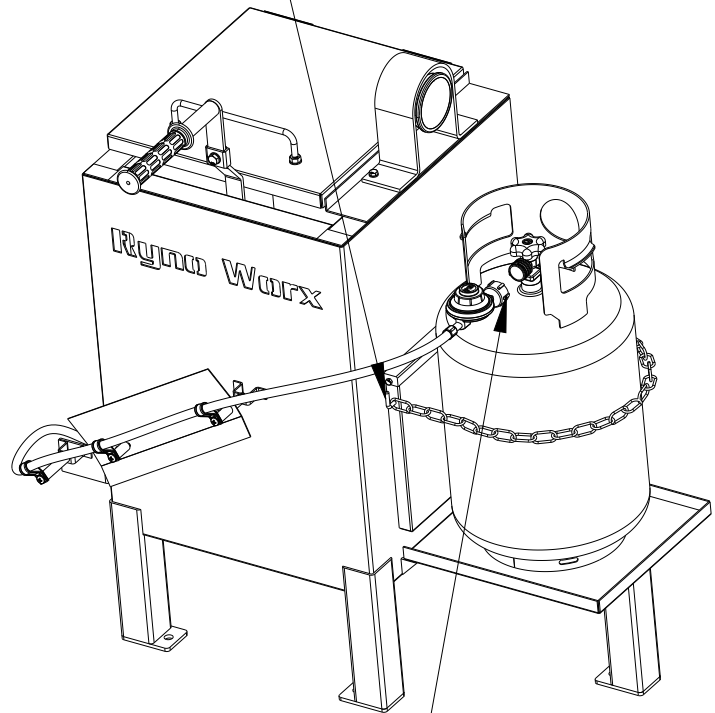


Attach the other two cushioned hose clamps on the hose like the first clamp. Use the shorter spacers on these clamps and place the heat shield in between the spacers.

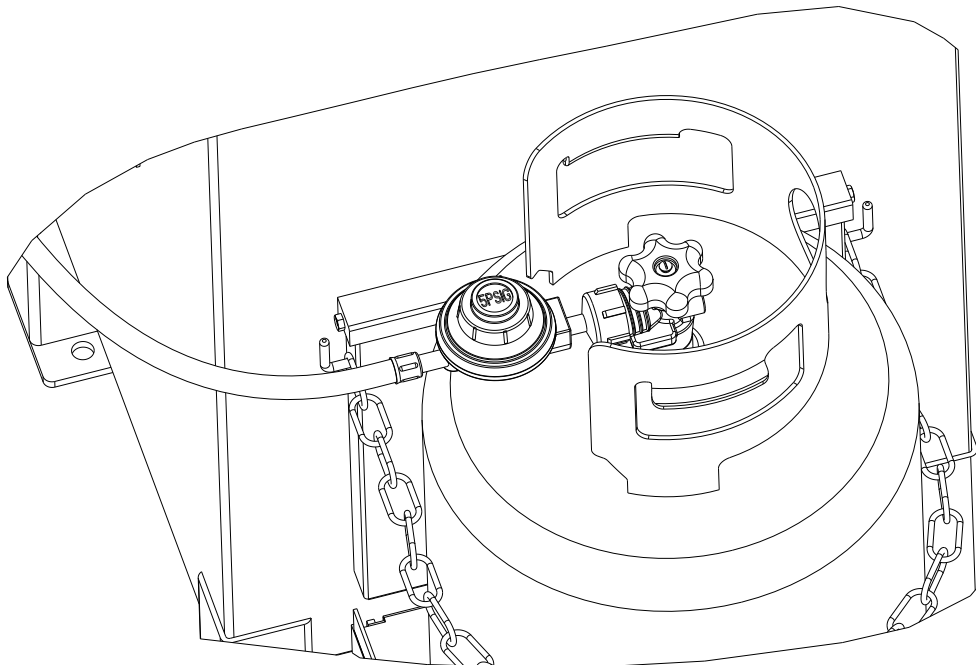


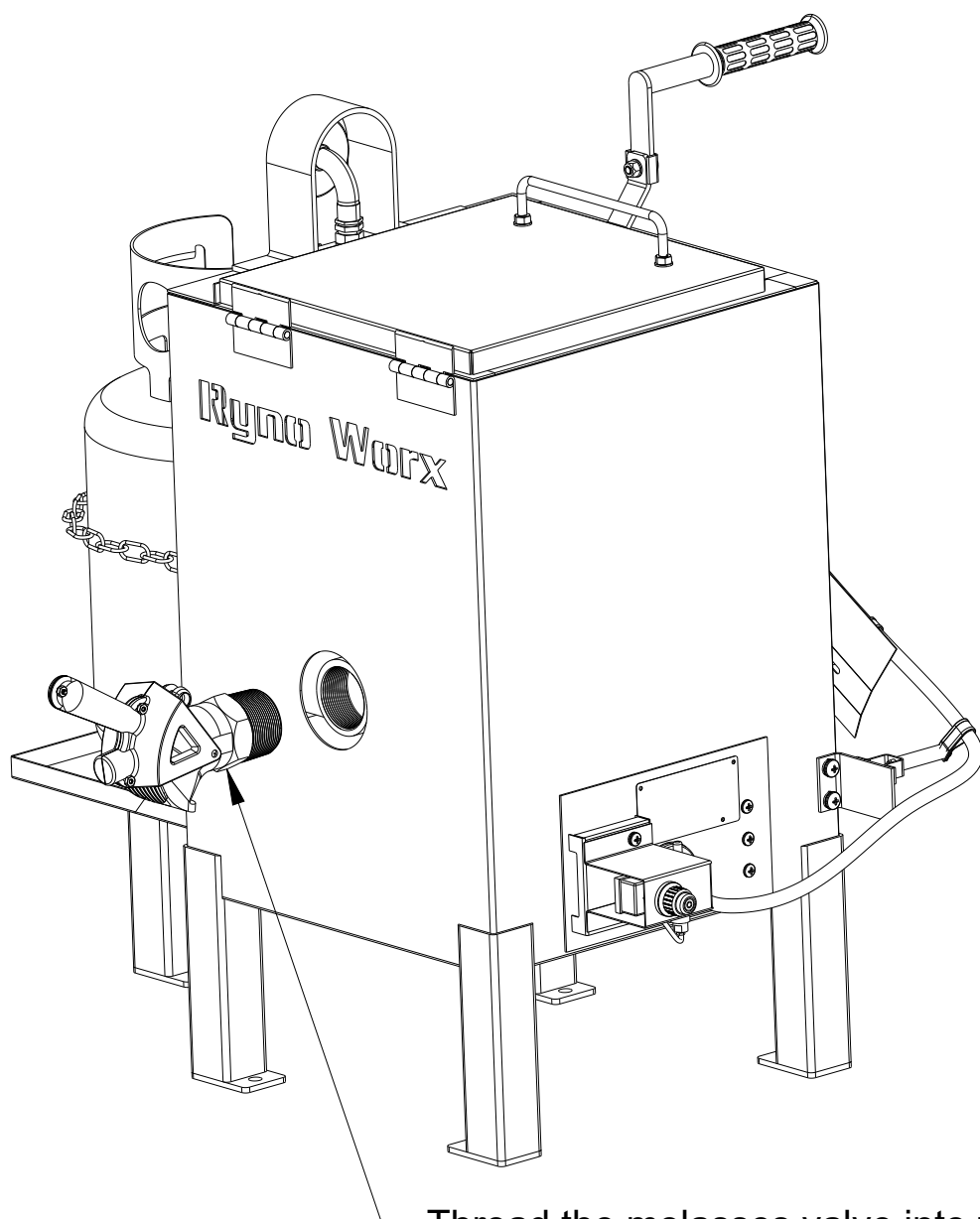
Position the heat shield as shown towards the front of the machine with the longer side on top.

Place a propane cylinder on the shelf and secure it with the provided chain over the top hooks on the melter wall.



Attach the regulator to the propane cylinder. Tighten by hand.



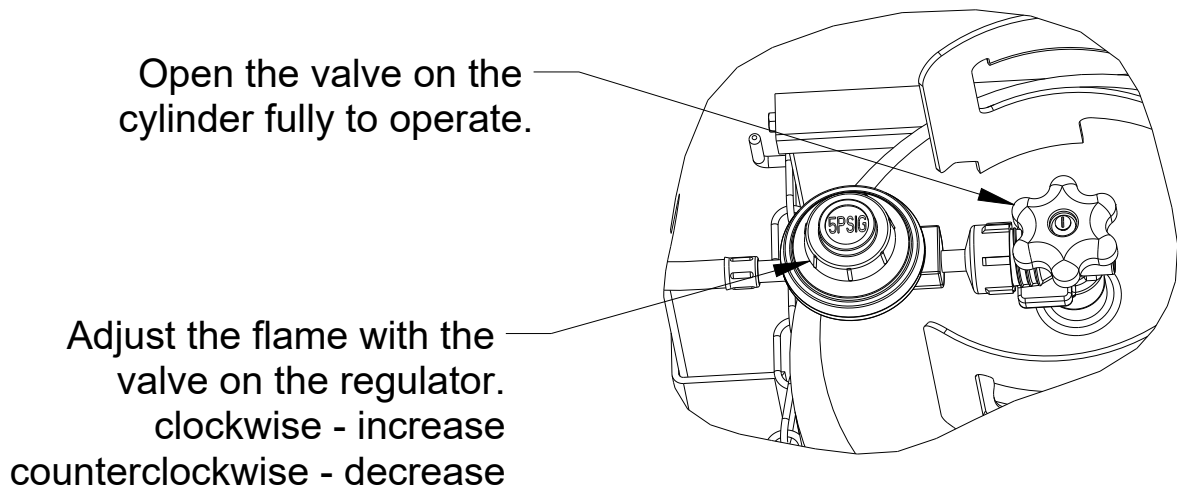


Thread the molasses valve into the threaded collar. Use a large pipe wrench to make sure the valve is fully tightened and in the correct vertical position after tightening (with the spout facing down and the handle facing up).

• Operations Guide

Part 1 – How to Load and Light your Melter

1. Ensure your regulator is off by rotating regulator nob fully counter-clockwise (rotate left).
2. Slowly pressurize the regulator by rotating the valve located on the propane cylinder counter-clockwise all the way (rotate left).
3. Inspect and ensure there are no leaks between any of the connections before proceeding.
4. Load crack sealant into kettle, while ensuring sealant is resting on the bottom of the kettle.
5. Pressurize the propane hose by rotating the regulator nob between 1 ¼ and 1 ½ rotations clockwise (rotate right).
6. Press and hold the electric igniter button immediately followed by the starter button. Continue holding both buttons until the burner ignites.
7. Once the burner ignites, release the electric igniter button, however continue to hold the starter button for an additional 15-20 seconds. This will eventually deactivate the flame-out sensor which is responsible for ensuring the burner stays lit.
8. Once lit, you can control the temperature by adjusting the regulator.



⚠ Operating the burner on high in most conditions is not recommended, this can harm sensitive electronic components and dangerously overheat fuel carrying lines.

⚠ Never exceed the manufacturer's recommended material maximum temperature.

- **Operations Guide**

Part 2 – Agitating and Monitoring Temperature

1. Never leave melter unattended when the burner is lit. If flame goes out, promptly turn off the flow of gas; double check that the melter is free and clear of any gas odors before attempting to re-ignite the burner.
 2. While your melter is ignited you should continuously be monitoring the material temperature. Check with crack sealant manufacture for safe melting temperatures and ensure you continually adjust your regulator to maintain the recommended temperature range. If the material becomes too hot, you may need to turn off your burner periodically.
 3. As material begins to melt, it's important to consistently agitate. Agitation moves the solid crack sealant along the bottom and prevents 'hot spots' from forming which can alter the effectiveness of the sealant after applied. Agitation also prevents chunks of over-heated material from forming which will eventually plug or block your flow valve which can slow down the applications process.
-

Part 3 – Dispensing Crack Filler

Once you have effectively liquefied the crack sealant, you may begin to dispense it from the molasses valve into a pour pot or other application device.

Part 4 – Turning Off and Draining

Once you have finished using the melter, make sure it is fully drained and no crack filler remains inside the kettle or the flow valve. Leaving the flow valve empty after use will prevent the valve from being blocked the next time you use the melter.
