

Burn Easy Installation Instructions **LP or Natural Gas Fired Units**

Cremator Setup:

1. Place cremator, outdoor on a solid base consisting of concrete or gravel. Keep this site free of all vegetation. Combustibles should not be closer than 6 feet to the main chamber at any time. Consult fuel section for recommendations of fuel supply distance.
2. If afterburner unit is being installed, place the support rod into the bracket before mounting afterburner on the main chamber. The afterburner should be mounted at a right angle to the main chamber with the burner behind the incinerator. Adjust the support rod so that the afterburner is level.
3. Fuel tank should be set a minimum of 8 feet from the unit. The maximum distance is 25 feet. Local codes should be consulted. If the application calls for a distance further than 25 feet, please consult your dealer or manufacturer.

Burner Setup:

1. Remove the four 3/8” nuts and washer from the studs on the burner end plates of the cremator and afterburner. Mount the burners using the slotted holes on the burner flanges. The main burn will have a digital controller. The afterburner will use a turn knob timer. Please note that the flanges are welded on at an angle so that the flame points downward. Tighten all bolts securely.
2. Remove the rubber “O” ring from the heat probe. This is for shipping purposes only. Insert heat probe into the pipe fitting above burner unit. The probe should only be inserted into the burning chamber 1 inch. Tighten compression fitting using only your fingers. Do not over tighten!
3. Install gas line according to the Midco manual. Units must be plumbed with 3/4” pipe or larger.

4. Set input BTU's based on the cremator model.
MDL 34 185,000
MDL 36 & 37 210,000
MDL 367 275,000
MDL 428 315,000
20" secondary afterburner 185,000
12" secondary afterburner 160,000
These settings represent BTU's per hour. Be sure to follow instructions in the Midco manual.
1. The power cords can now be plugged into your power source. A 20 amp service is recommended using 12 gauge wire.
2. A small piece of insulation should be supplied inside the cremator. Use this to fill in any gaps between the air cone and the hole that is cut in the refractory end plate.
3. Start the burner. Unit should fire after the fuel line is purged.
4. Check burner unit and gas line for leaks.
5. Install rain shield by bolting the shield to the square flange on the burner. (2) 3/8" x 1" bolts with washers and nuts should be supplied. This shield will have controller instructions as well as phone numbers for technical use.

Burning & Loading:

1. Do not overload! Carcass level should not be above the angle iron covering the front of the door opening. Carcass should also be no closer than 12" to the burner head.
2. Set auto timer for 1 hour per 100 pounds of carcass plus an extra 30 minutes.
3. If using an afterburner unit, always start afterburner before starting the main burner unit. Check local requirements. **Afterburner unit must run while main chamber is burning.** Always run afterburner for an

additional 30 minutes. Ex. 2 hours on main unit, 2 hours 30 minutes on afterburner.

4. After unit starts, close the charge door. **Make sure burner is firing before leaving unit!**
5. **NEVER OPEN CHARGE DOOR WHILE UNIT IS BURNING!**
6. **Never reload a HOT unit.** Use the temperature button on the controller to determine the inside temperature of the unit before reloading.
7. Clean out ash before reloading unit. Any unburned carcass that remains should be moved towards the burner end before reloading. Too much ash will affect the performance of the unit. A high ash level can also result in main burner damage.
NEVER TOUCH ANY PART OF THE UNIT WHILE IN OPERATION! SOME METAL PARTS CAN HAVE TEMPERATURES EXCEEDING 1500 F. SERIOUS BURNS CAN RESULT IF UNPROTECTED SKIN COMES IN CONTACT WITH THESE PARTS. PLEASE BE SAFE!
8. Unit should not exceed 1500 F. After fuel is shut off it is possible for the temperature inside the unit to rise. Use temperature button on the controller to determine the inside temperature. If the unit is consistently going over 1500 F consult your dealer for assistance.

Trouble Shooting:

**Caution: Before troubleshooting always unplug burner from power source. Electric shock can occur.
Always consult Midco manual when troubleshooting.**

Symptom	Diagnosis	Solution
Motor won't run	Unit is unplugged	Plug into proper power source
	Inadequate circuit breaker	20 Amp
	Reset is kicked	Push in red reset

		button on the outside of motor
	Controller board is not working properly	Consult dealer
No Gas	Fuel level in tank	Check fuel supply
	Check low pressure regulator	Gas inlet pressure to valve is 14 WC for LP. 3.5 WC for NG.
	Gas valve not opening.	Check for 24 Volts on gas valve leads.
No Spark	Flashing fuel light is not on.	Consult dealer.
	24 Volt transformer is bad.	Test for 24 volt with fuel light on. Test on blue and yellow leads.
	DSI board.	Check for 24 volt at DSI board. Check on yellow and blue leads. Check fuse. If you have 24 volt check spark electrode.
	Bad electrode	Examine for cracks and adjustment.
Burner only burns for 6 seconds	Sense side electrode	Clean and adjust for proper setting. Replace if cracked.
	Low gas pressure	Test "T" block orifice for 3.5 WC. Adjust pilot regulator
	"T" block orifice is obstructed.	Remove and clean "T" block orifice.
Cremator smokes	Improper air adjustment	Adjust air band for minimum air and no black smoke.
	Unit is overloaded	Air circulation inside unit is important
	Gas input pressure incorrect	See above for BTU's

Control board reads “probe fail” message	Heat probe sensor is bad	Replace
	Yellow probe wire cracked	Replace
	Heat probe plug needs cleaned or replaced.	Replace

General Maintenance:

The Burn Easy cremator is a very durable and dependable unit. It does require some general maintenance to keep the unit running properly.

1. Keep fan intake screen clean at all times.
2. Any missing tile should be replaced immediately. Replacements can be shipped UPS and are relatively easy to repair. This would also include the blanket that is on the inside of the door.
3. Keep unit cleaned out. We recommend cleaning after each burn.

Contact Information:

If at any time you have questions or concerns, please feel free to call R&K Incinerator at 1-800-233-1163

R&K Limited Warranty Policy

R&K will warranty for 1 year from the date of purchase all materials and workmanship used in the construction of our incinerators, including all electrical parts such as burners, fans, timers, and controllers.

If these parts fail under normal operating conditions, R&K Incinerator will replace or repair the part at R&K Incinerator sole option.

R&K Incinerator is not responsible for any labor cost, and or mileage for the inspection, testing, removal and replacement of said parts or components.

All part should be returned freight prepaid, to R&K Incinerator, 6125 W 100 S, Decatur, IN 46733 for warranty evaluation. No part will be warrantied if it is NOT returned.

A unit or part that has been repaired will carry the Limited Warranty equal to the unexpired portion of the original warranty.

If inspection by R&K Incinerator does not disclose any defect covered by this Limited Warranty,
The part will be replaced or repaired at the expense of the customer and R&K repair charges will apply.

This Limited Warranty does NOT cover products which have been damaged as a result of act of nature, accident, abuse, misuse, neglect, improper installation, improper maintenance or failure to operate in accordance with R&K written instruction