

# Fire Pit Propane Kit Document/ Propane Systems

Round Fire Pit Propane Kit			
Model	Base and Burner Ring Size	Weight + Dimension	Price
FPPK12	12" base w/ 12" Stainless Steel Burner Ring	10lbs 12 x 12 x16	\$377.10
FPPK12 w/Double Ring	12" base w/ 12" Double Stainless Steel Burner Ring	10lbs 12 x 12 x16	\$393.50
FPPK18	18" Base w/ 12" Stainless Steel Burner Ring	12lbs 19 x 19 x13	\$393.50
FPPK18 w/Double Ring	18" Base w/ Double 12" Stainless Steel Burner Ring	12lbs 19 x 19 x13	\$409.90 Optional 1/8" aluminum upgrade \$11.00
FPPK24	24" Base w/ 18" Stainless Steel Burner Ring	17lbs 31 x 31 x13	\$432.50
FPPK24 w/Double Ring	24" Base w/ Double 18" Stainless Steel Burner Ring	19lbs 31 x 31 x13	\$451.00 Optional 1/8" aluminum upgrade \$20.50
FPPK30 w/Double Ring	30" Base w/ Double 24" Stainless Steel Burner Ring	22lbs 31 x 31 x13	\$523.00 Optional 1/8" aluminum upgrade \$58.25
FPPK BOX ONLY	Air Mixer and 2 flex lines Included	7lbs 12 x 9 x 5	\$288.00
	Copreci Valve & Air Mixer Only		\$175.00

## Parts

Flat Rounds For FPPK			
Diameter	Price	Diameter	Price
12" (.060 ALUMINUM)	\$9.60	12" (.125 ALUMINUM)	\$17.00
18" (.060 ALUMINUM)	\$26.00	18" (.125 ALUMINUM)	\$37.00
24" (.060 ALUMINUM)	\$37.00	24" (.125 ALUMINUM)	\$57.50
30" (.060 ALUMINUM)	\$80.00	30" (.125 ALUMINUM)	\$138.25
n/a above 30"		48" (.125 ALUMINUM)	\$230.50



Burner not included. Flats can be custom.

Stainless Steel Bowls	
Diameter	Price
6 ½"	\$9.25
8"	\$12.25
10½"	\$14.75
12"	\$33.25
16"	\$41.00
18"	\$73.75
22"	\$73.75



**Burner Ring Not Included**



Flex Hose Pricing	
Length	Price
12"	19.50
18"	21.25
24"	23.00
36"	23.50
48"	23.75
60"	26.50

Other Parts	
Copreci Valve	\$139.00
Air Mixer	\$38.00
Battery Operated Ignition	\$566.50
Caprice pilot light replacement	\$43.00
Check out or <a href="#">Ring Burners!</a>	
Check out our Pipe <a href="#">Burners!</a>	

Quick Disconnect Hose With Regulator	
Propane & Size	Price
15' [ ½" Connection W/ Quick Disconnect ]	\$115.00
15' [ 3/8" Connection W/ Quick Disconnect ]	\$75.00
15' [ ¼" Connection W/ Quick Disconnect ]	\$41.25
12' [ ½" Connection W/ Quick Disconnect ]	\$115.00
12' [ 3/8" Connection W/ Quick Disconnect ]	\$67.50
12' [ ¼" Connection W/ Quick Disconnect ]	\$45.00
Natural Gas & Size	Price
15' [ 3/8" Connection W/ Quick Disconnect ]	\$40.00
12' [ 3/8" Connection W/ Quick Disconnect ]	\$37.50
10' [ 3/8" Connection W/ Quick Disconnect ]	\$50.75

Regulators for Propane	
BTU Regulator	Price
100,000 BTU Black	\$18.75
200,000 BTU Green	\$18.95
400,000 BTU Red	\$23.30
Black Hoses with Regulators 150,000 BTU For Propane	
	Price
24"	\$16.25
30"	\$16.75
36"	\$17.50
48"	\$26.25

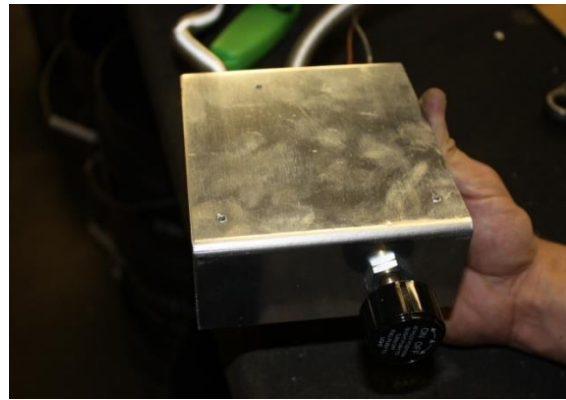
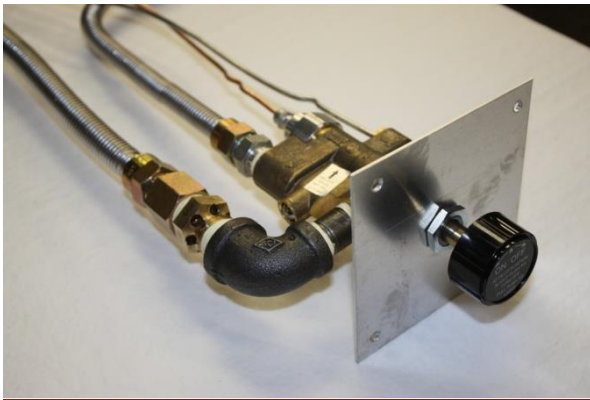
Hoses For Propane or Natural Gas	
Length & Line Opening	Price
10' - 1/4" Connection	\$20.00
12' - 1/4" Connection	\$18.95
15' - 1/4" Connection	\$28.80
10' - 3/8" Connection	\$25.00
12' - 3/8" Connection	\$28.80
15' - 3/8" Connection	\$36.20
10' - 1/2" Connection	\$52.00
12' - 1/2" Connection	\$59.75
15' - 1/2" Connection	\$77.25

Picture Gallery	
Single and Double Burner Rings	Triple Burner Ring
 <p>A photograph showing two metal burner rings. On the left is a single burner ring, which is a simple circular metal frame. On the right is a double burner ring, which consists of two concentric circular metal frames connected by three radial spokes.</p>	 <p>A photograph of a triple burner ring, which is a circular metal frame divided into three equal sections by three radial spokes meeting at the center.</p>

## Remote Control Ignition



## Ways to Mount The Valve



### ***BTU'S Are a Rate of Usage***

This is an all too common question, "What is the btu rating?" Btu's are a rate of usage, the higher/ more you use, the more fuel/ btu usage. The higher the pressure the more gas you can burn. Here is a useful site with BTU ratings charts on burner rings: <http://www.daganind.com/resources.html>.

If you turn it up or turn it down your BTU usage will change.

Burning 100,000 btu's = 1 gallon (actually 91,600 btu's = one gallon of propane, 103,000 btu's in one gallon of natural gas)

Now for the long version:

#### **Table 1 – Average Btu Content of Fuels**

##### **Electricity:**

- 1 KW 3,412 Btu/hr

##### **Natural Gas:**

- 1 Cubic Foot of Natural Gas 1,030 Btu's
- 1 CCF = 100 Cu Ft = 1 Therm 103,000 Btu's
- 1 MCF = 1,000 Cu Ft = 10 Therms 1,034,000 Btu's = 1.034 MMBtu's

##### **Propane:**

- 1 Gal Propane 91,600 Btu's
- 1 Cu Ft Propane 2,500 Btu's

##### **Gasoline:**

- 1 Gal of Gasoline (mid grade) 125,000 Btu's

##### **Ethanol:**

- 1 Gal of Ethanol 76,000 Btu's

##### **Fuel Oil:**

- 1 Gal of #1 Kerosene 135,000 Btu's
- 1 Gal of #2 Fuel Oil 138,000 Btu's
- 1 Gal of #4 Fuel Oil 145,000 Btu's
- 1 Gal of #6 Fuel Oil 150,000 Btu's

##### **Other:**

- Wood (air dried) 20,000,000/cord or 8,000/pound
- Pellets (for pellet stoves; premium) 16,500,000/ton
- Coal 28,000,000/ton
- 1 Barrel of Oil = 42 Gallons
- 1 Btu = 252 calories
- 1 Btu = .293 watt
- 1 ton of refrigeration = 12,000 Btu/hr
- 1lb residential garbage = 2,500 Btu
- 1lb coal = 12,000 Btu
- 1lb wood = 3,500 Btu
- 1hp = 746 watts
- 1hp = 33,479 Btu/hr (boiler)
- 1hp = 33,000 foot-lbs./min
- 1hp = 42,440 Btu/min.
- 1 watt = 3.412 Btu
- 1 kilowatt = 1,000 watts
- 1 kilowatt = 1.341 horsepower
- 1,000 kilowatts = 1 Megawatt

BTU's are a rate of usage, E.G.:

92,000 BTU's in one gallon

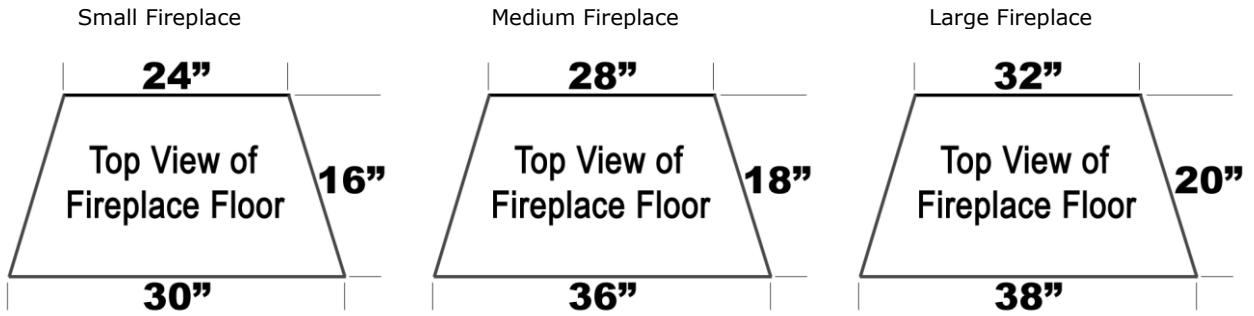
20 lb tank = 5 gallons (bbq tank)

Burning at 92,000 btu's = 1 hour per gallon = 5 hours per tank

Burning at 46,000 btu's = 2 hours per gallon = 10 hours per tank

Burning at 15,000 btu's = 6 hours per gallon = 30 hours per tank

## Example Purchase



Option #1 - <u>3 Inch Fill</u> 67 Lbs of ¼ Clear <u>\$288.10</u>	Option #1 - <u>3 Inch Fill</u> 90 Lbs of ¼ Clear <u>\$387.00</u>	Option #1 - <u>3 Inch Fill</u> 109 Lbs of ¼ Clear <u>\$468.70</u>
Option #2 - <u>2 Inch Fill</u> 45 Lbs of ¼ Clear <u>\$193.50</u>	Option #2 - <u>2 Inch Fill</u> 60 Lbs of ¼ Clear <u>\$258.00</u>	Option #2 - <u>2 Inch Fill</u> 73 Lbs of ¼ Clear <u>\$313.90</u>
Option #3 - <u>2 Inch Fill</u> 45 Lbs of ¼ Starfire <u>\$297.00</u>	Option #3 - <u>2 Inch Fill</u> 60 Lbs of ¼ Starfire <u>\$396.00</u>	Option #3 - <u>2 Inch Fill</u> 73 Lbs of ¼ Starfire <u>\$481.80</u>



Option #1 - <u>2 Inch Fill</u> 27 Lbs of ¼ Gray <u>\$124.20</u>	Option #1 - <u>2 Inch Fill</u> 48 Lbs of ¼ Gray <u>\$220.80</u>	Option #1 - <u>2 Inch Fill</u> 108Lbs of ¼ Gray <u>\$496.80</u>
Option #2 - <u>1 ½ Inch Fill</u> 20 Lbs of ¼ Gray <u>\$92.00</u>	Option #2 - <u>1 ½ Inch Fill</u> 36 Lbs of ¼ Gray <u>\$165.60</u>	Option #2 - <u>1 ½ Inch Fill</u> 81 Lbs of ¼ Gray <u>\$372.60</u>
Option #3 - <u>1 Inch Fill</u> 14 Lbs of ¼ Gray <u>\$64.40</u>	Option #3 - <u>1 Inch Fill</u> 24 Lbs of ¼ Gray <u>\$110.40</u>	Option #3 - <u>1 Inch Fill</u> 54 Lbs of ¼ Gray <u>\$248.40</u>

Note: By mixing or adding colors, you can create several million combinations with over 500 products to choose from! Prices will vary depending on your actual choice of size, color and type of glass.

## **FOR YOUR SAFETY READ BEFORE LIGHTING**

**WARNING:** If you do not follow these instructions exactly a fire or explosion may result, causing property damage, personal injury or loss of life.

This appliance has a pilot light that must be lit by hand. When lighting the pilot, follow these instructions exactly.

**BEFORE LIGHTING** smell around the appliance area for gas.

Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

### **WHAT TO DO IF YOU SMELL GAS**

Do not try to light any appliance. Do not touch any electrical switches do not use any phones. Immediately call your gas supplier from your neighbor's phone and follow your supplier's instructions.

## **LIGHTING INSTRUCTIONS**

### **1. STOP AND READ THE SAFETY INFORMATION BELOW**

2. Make sure that your gas flow is turned OFF on you tank.
3. Connect your flex hose to your burner and or connection line.
4. Turn on the gas supply.
5. Loosen the gas supply connection closest to the burner. This will bleed any air out of the line. Tighten the connection again. Check for leaks, very important.
6. The lighting controls should be on the right side of the burner with the Arrow pointing UP.
7. Depress the knob in all the way, (you should only be able to turn the knob to the right or left approximately 1/8 inch). If your lighter or match is continually blown out keep the knob depressed longer. This will bleed the system of air in the line. Now light your pilot light.
8. Release the knob and turn it counter clockwise, (from top to left to allow the gas to flow. This will light your burner.)
9. Turn the knob to the left for a higher flame, to the right to lower or turn off the burner.
10. To turn off the pilot light release the knob, turn to the right (pilot only position) slightly depress the knob inward and turn to the right, to the off position.

## **WARNINGS**

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Read the installation operating and lighting instructions thoroughly before installing or servicing this equipment.

This appliance is not intended for use indoors under any circumstance. Use in a well ventilated areas only.

Tampering with or altering this equipment will void any warranty and may cause property damage or bodily injury.

Do not use this appliance in the vicinity of any other flammable vapors or liquids. Explosion or fire could result.

The gas supply must be turned off at the gas supply pipeline valve when this appliance is not in use.

Parts, Propane and How To:

<http://www.moderustic.com/Portable-Propane-Fire-Pits-RV-Sytle.html>

<http://www.moderustic.com/Propane-Burners.html>

<http://www.moderustic.com/Propane-Burners.html>

<http://www.moderustic.com/Propane-Burner-Self-Installation.html>

<http://www.moderustic.com/How-To-Build-a-Propane-Fire-Pit.html>

<http://www.moderustic.com/Build-a-Propane-Fire-Pit.html>

<http://www.moderustic.com/Propane-Fire-Pit-Building-Document.doc>

<http://www.moderustic.com/Gary-Westfall-Propane-Fire-Pit.html>

## Propane Burner Issues

I have seen this scenario all too often. The supplier that you have purchased from only cared about making the sale of the glass. They did not ask what you were doing. How you were doing it. What you were working on, etc. etc. They did not ask if you had propane or natural gas or if you had natural gas close by to use opposed to propane. You are now finding out that there is no customer support after the sale. We are the only manufacturer building one propane burner at a time to suit **your** needs. We care from beginning to end and more importantly after the fact! We offer customer support FOREVER!

Let me tell you how we feel about these other companies selling products they know nothing about:

You purchased a Ford and now you are going to the Rolls Royce dealer for advice and parts on how to fix the problems. That is not how it works. We need you to put pressure on the company that sold you the product that does not perform as you thought it should. We will and or can resolve your issues, but you need to make sure these companies stop selling products they know nothing about.

Have you contacted the company that you purchased from?

Have you received any advice from this company on how to resolve the issue?

Are they even concerned about your problems?

Did you disclose to this company what you were working on?

Did this company ask for details about your project?

Have you asked if you can return all of the parts and products because of product failure?

Does this company even have any information online about their success on propane burners?

Did you receive any customer support?

Does the company you purchased from even have a physical address where you can visit?

We do genuinely feel bad for the customer being taken advantage of by companies such as these, selling parts and supplies, which they know nothing about.

Please keep us posted on your developments so we may continue to remedy your situation. We are proud of our creations, inventions, customer support, and product lines as we do all of this for you, the customer!

This would be step one. Then we would step in and fix your issues.  
Ed Jaunzemis President, Moderustic Inc