



PETROGEN

Advanced Cutting Torch Systems

Made in the U.S.A.

COMPLETE PACKAGE

Part #100

The Complete Package is our most robust set up. Providing all the essential Petrogen components, along with fundamental oxygen parts (with the exception of an oxygen bottle), and auxiliary parts such as a hand cart and hose quick disconnects. With this package, operators have the option to choose the torch length, torch head angle, hose length, and 12 Petrogen tips that may best suite their operations (pricing will change accordingly).

System Contents

- * Torch (Length: 20, 27, 36, & 48 inches, Head angle: 75, 90, & 180)
- * (12) Cutting Tips (Size: 0, 1, 2, 3,4, 5, 6, 7, 8, 81, 83, and L)
- * Liquid Fuel Hose (Length: 20, 50, and 100 foot)
- * Oxygen Hose (Length: 25, 50, and 100 foot)
- Liquid Fuel Tank (2.5 gallon)
- (2) Fuel Quick Disconnects
- (2) Oxygen Quick Disconnects
- Oxygen Flashback Arrestor
- Heavy Duty Oxygen Regulator (CGA 540)
- Spark Striker
- Hand Cart
- Spare Parts Kit (see list for contents)
- Tool Kit (see list for contents)
- Adjustable Wrench
- Welding Gloves
- Safety Glasses (Shade 5)
- Reference Manual & Training Video

* Pricing will adjust based on selections

NOTE: Oxygen Bottle is NOT included.



Usable Fuels:

- Gasoline (any grade)
- White Gas
- Camping Fuel
- Stabilizer Additive Fuels
- * Diesel
- * Bio-diesel
- * Kerosene
- * Jet-A, JP-8, JP-5 and JP-24

* Torch requires the addition of the Multi-Fuel Adapter Kit.

The included Hand Cart holds both the 2.5 gallon Liquid Fuel Tank (when filled with 2 gallons of fuel allows for 8 hours of cutting) and up to a 250 cubic foot oxygen bottle.



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Tip Selection Chart

STANDARD		Pounds / Inches ²	
Tip No.	Inches	Fuel	Oxygen
0, HHO	0 - ¼	10 - 20	12 - 17
1, 81, HH1	¼ - 1	10 - 20	17 - 25
2, HH2	1 - 2	10 - 20	25 - 35
3, 83, HH3	2 - 4	10 - 20	35 - 40
4, HH4	4 - 6	12 - 20	40 - 50
5, HH5	6 - 8	14 - 20	50 - 60
6, HH6	8 - 10	16 - 20	70 - 80
7	10 - 12	18 - 20	80 - 100
8	12 - 14	20	120+
L	Heating	18-20	100

- Tip sizes 81 and 83 are “scrapping” tips. They both have the pre-heating capabilities of our largest tip, tip size 8. This encourages faster preheat through rust, dirt and paint. The 81 has the cutting capabilities of our tip size 1, and the 83 has the cutting capabilities of our tip size 3.
- High Heat Tips (Part #HH0-HH6) are designed for use with the Multi-Fuel Adapter (Part #8000).

Head Angle Options

- 75° - Is commonly selected for the 36 inch or 48 inch torch. This angle is mostly used where the torch operator needs reasonable standoff distance and the material being cut is located on the ground.
- 90° - Is the angle mostly used where the torch operator needs to cut a material that runs parallel to the torch.
- 180° - Is the angle commonly used by machine torches and operators performing cuts on walls or overhead.

Lifetime Warranty

Any Petrogen product found to be defective in materials or craftsmanship will be repaired or replaced at no charge during the warranty period (25 Years).

Tool Kit Part #4003

- Packing Nut Wrench (Part #4011)
- Tip Reamer (Part #4012)
- Two Part Tip Brush (Part #4013)
- Jackscrew (Part #4016)
- Tip Drill Set (Part #4018)
- Hex Allen Wrench (Part #4019)

Spare Parts Kit Part #4002

- Preheat Oxygen Valve (Part #1300)
- H.P. Oxygen Valve (Part #1350)
- H.P. Valve Ext. O-rings (Part #1356)
- H.P. Valve Int. O-rings (Part #1357)
- Lever Nut (Part #1403)
- Lever Screw (Part #1404)
- Mixer Assembly (Part #1800)
- (2) Metal Wicks (Part #1802)
- Mixer Lrg. O-ring (Part #1803)
- Mixer Sml. O-ring (Part #1356)
- Filler Cap Gasket (Part #2157)
- Leather Pump Cup (Part #2327)
- Check Valve Flat Seal (Part #2306)
- O-ring Installation Tool (Part #4017)
- Extra Flint for Sparker (Part #4021)

Other

- Multi-Fuel Adapter Kit
Part #8000
- Air Pressure Regulator Kit
Part #2348
- Compressed Air Carry Tank
Part #2365
- Hand Cart
Part #4560

