# **Usage:**

* Is a completely self-contained cutting system. It includes both fuel and oxygen cylinders.
* Recommend setup is for short-term steel cutting where portability is important.
* The PCS will cut 1/4-inch steel for 25 minutes; 1-inch steel for 13 minutes; 4-inch steel for five minutes. The fuel tank holds 1.5 quarts of fuel, which will last for about 1.5 hours of non-stop cutting. Cutting time is limited by oxygen supply.

# **Specifications:**

**Tip #** **Oxygen %** **Tip #** **Oxygen %**

0 15 5 60

1 & 81 20 6 70

2 30 7 80

3 & 83 40 8 90

4 50

# **Equipment:**



# **operations:**

**Lighting**

* Open gas tank value slowly to prevent emergency shut off
* Purge the oxygen line for at least 5 seconds before igniting the torch
* Open the pre-heat oxygen first
* Then open the gasoline until you see a light mist. You should never see dripping gasoline while operating the torch.
* Purge oxygen line again
* Torch is ready to light

**Shutting down the Torch**

* Close the torch gasoline first
* Then close the Torch pre-heat oxygen valve
* Make sure the gasoline tank filler cap is closed
* Close the gasoline tank shut-off valve
* Leave the tank, torch and hose connected for storage to avoid gasoline spillage
* Make sure there are no visible leaks

# **maintenance:**

* Tighten hose connectors at torch butt with hex wrench
* Tighten torch packing nuts under hand wheels
* Tighten tank packing nut under hand-wheel of shutoff valve
* Wait until the torch head is cool before tightening the tip nut