

**Compatible with MAPP, MAP-PRO and Propane.  
For best performance, we recommend using  
together with BLUEFIRE MAPP gas.**

## **READ ALL INSTRUCTIONS**

### **ASSEMBLY:**

1. Before attaching torch to gas cylinder, check and make sure the valve is switched "off" by turning knob in a clockwise direction until hand tight. Do not over tighten valve.
2. Turn gas cylinder counter-clockwise into valve body until "hand tightened" and securely attached to the torch inlet connection.

### **OPERATION AND LIGHTING:**

1. Use only high quality MAPP, MAP-PRO, Propane gas cylinder.
2. Examine the torch and handle o-rings for cuts or other damages. Replace o-ring(s) with new ones or have the unit repaired. Damaged or missing o-rings can cause dangerous leaks.
3. Make sure the on/off adjustment knob is in "off" position when installing a gas cylinder.
4. With valve open & without lighting, test all connections for leaks with soapy water at the torch and cylinder connection. Check all joints & couplings periodically to insure against loose connections. If a leak is detected, replace the gas cylinder and check for leaks again. If leaking still occurs, the torch must not be used. Do not attach or detach torch where accidentally released gas can be ignited by open flames. Crossed threads may result in the sudden escape of extremely flammable gas.
5. Turn the adjustment knob counter-clockwise about an 1/2 of a turn, the gas will blow-out with a light "hissing" sound from the torch.
6. For torches without self-ignition, use a match or lighter to ignite the flame. For torches with self-ignition, press "ignition button" and the flame will ignite instantly.

### **TEMPERATURE ADJUSTMENT:**

For the hottest, most efficient flame, adjust inner blue flame of pencil burner to about 1 1/2 inches in length. Adjust the utility burner to 1/2" to 3/4" in length.

### **NOTE:**

**Do not throttle the torch down. Operation at low flows will cause the torch to overheat and damage the torch.**

### **▲ WARNING:**

- (1) The gas cylinder contains gaseous and liquid propane. If the torch is moved rapidly, tilted too far to the side or upside down, the liquid can enter the valve and cause the flame to flare or extinguish.
- (2) Make sure the torch is cool before tightening, removing torch head and installing or removing accessories.

### **COLD WEATHER OPERATION:**

In cold weather, the size of the flame will be smaller. To produce a larger flame, pre-warm the gas cylinder to room temperature prior to use. Shaking the gas cylinder a few times will help warm the fuel up. There is a greater possibility that the flame will extinguish when the torch is turned upside down in cold weather.

### **TURNING OFF AND STORAGE:**

Remove gas cylinder from torch when not in use. Never store the torch attached to a fuel tank.

- (1) Turn valve off. Note: The flame may continue to burn for a short period of time if the torch has been operated in an inverted (upside down) position.

(2) When the torch has cooled down, turn the gas cylinder clockwise from valve body to disconnect. Then, store the torch and cylinder separately. Observe precautions on the cylinder label.

#### **GENERAL SAFETY RULES:**

1. Do not use this torch until you have read and understood all the instructions, precautions and you have familiarized yourself with the torch. Review instructions and precautions periodically to retain awareness. Deviating from these procedures may result in fire, explosion, property damage and for operator injury. Do not try to operate before reading instructions.
2. Do not point torch towards face, other persons or flammable objects. Never attempt to use the torch as a cigarette lighter.
3. Disconnect cylinder when not in use.
4. Never attempt to modify the torch construction and never use unapproved fuel.
5. Treat the torch as you would treat any fine tool or instrument, do not drop or otherwise abuse.
6. Do not use a leaking, damaged or malfunctioning torch. Stop using it immediately, DO NOT use the torch until you have corrected the problem. Torches improperly operated, maintained or repaired can be dangerous. Improper use, service repair or modification of the torch could result in damage to the product, property damage or personal injury to the operator.
7. Work only in well-ventilated areas.
8. Avoid contact of flux with skin or eyes.
9. Always place your work on a firebrick, If you are not sure if it is a firebrick, do not use it. Ordinary bricks and concrete can explode when subjected to high temperatures. Do not work on wood or metal surfaces. Always shield your work.
10. Always wear protective gloves and use proper tools to handle hot work.
11. Be aware that the tip of the torch can get extremely hot during use. Take precautions to protect yourself and others from accidental burns. Never use the torch on or near combustibles, Be especially careful around motor vehicles or any gasoline-fired products and beware of hidden fuel lines and tanks.
12. Always make certain the torch is placed on a level surface when connected to a gas cylinder to reduce the risk of accidental tip-over. Make sure the torch is not pointed at a direction which could cause nearby objects to ignite when torch is set down.
13. When thawing pipes, be very careful not to overheat surrounding materials.
14. Always have a fire extinguisher and a bucket of water near the torch and work area. Do not place them in the flame path or in a location where you could not reach them should a fire break out.

#### **DANGER:**

(Extremely flammable contents under pressure,) Keep out of reach of children. Keep away from heat or flame. It is illegal and dangerous to refill the cylinder. Obtain new gas cylinder from your dealer. Avoid prolonged exposure to sunlight. Do not store near heat or in a room used for habitation. Always close torch valve and wait at least 30 seconds before removing torch from gas cylinder. Always detach gas cylinder from torch when not in use. Do not breathe gas, fumes, vapor or spray. If inhaled, remove affected person to fresh air. Avoid contact with skin and eyes. If skin contact occurs, flush with large amounts of water. In case of contact with eyes, rinse immediately with plenty of water and seek medical assistance. When gas cylinder is empty, discard in a safe place. Do not throw in fire. Do not puncture or incinerate container.