

**Air Propane/MAPP®  
Auto-Ignite Hand Torch  
For Soldering, Brazing and Heating**

**Instructions and Operation Manual**



**KNOW AND USE ALL  
SAFETY PRECAUTIONS BEFORE  
ANY BRAZING, SOLDERING OR HEATING OPERATION!!**

There are many hazards to be considered when using air-fuel brazing, soldering and heating equipment. GENSTAR products should only be used by well-trained professional technicians. This handbook is offered as a practical guide for the safe operation of this equipment.

**READ THOROUGHLY BEFORE OPERATING EQUIPMENT.**

## IMPORTANT SAFETY PRECAUTION TO REMEMBER

- **Use Propane and MAPP<sup>®</sup> gas only.**
- Always have a fire extinguisher handy.
- All cylinders should be used and stored in an upright position. Read the printed instruction and warning on the cylinder for use, transport and storage.
- Never drop or strike a cylinder or use a damaged cylinder.
- Never use oil or grease on any inlet or outlet connections.
- Always wear gloves made of leather or suitable substitute.
- Always wear goggles with shade #4 or #5 ANSI Z87.1 filter lens.
- Always wear appropriate protection clothing such as aprons, safety shoes. Do not wear torn or ragged clothes. Sparks can ignite ragged end.
- Never use fuel gas to blow soot or dirt off clothes.
- Never test for gas leaks with a flame. Use soapy water.
- Upon completion of work, inspect area for any possible fire or smoldering material.
- Operate equipment in an open, well-ventilated area. Prepare your work area by moving out of the vicinity, any combustible material.
- Do not heat or solder any pressurized container or vessel.
- Do not leave a lit torch unattended.
- Before installing the regulator to the cylinder, make sure the Flame Control Valve in the fully **CLOSE** position and the gasket is in place.

**Note: SAVE THESE INSTRUCTIONS.**

## SET UP AND OPERATING GUIDE

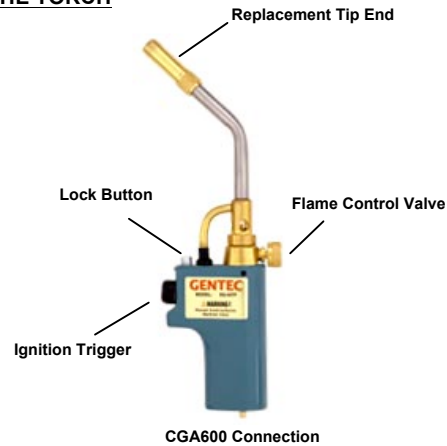
### **ASSEMBLYING COMPONENTS**

1. Before installing the hand torch to the cylinder, make sure the Flame Control Valve in the fully **CLOSE** position (**DO NOT FORCE**) and the sealing gasket is in place. Remove any dust or dirt on the cylinder valve.

**WARNING!** If oil or grease is found, discontinue use of cylinder immediately and contact your supplier.

2. While hold the Torch, screw the cylinder (Model No CY14-600 Propane or CY16-600 MAPP-) into the Torch. Turn the cylinder to hand-tight. **DO NOT FORCE** and **DO NOT** use any tool to tighten.
3. Check for any leak with soapy water before lighting the torch. **Do NOT** use flame. All valves and connections (especially cylinder to hand torch connection) should be checked for leaks. Slowly turn the Flame Control Valve on low. If bubbles appear, leakage is found. Check the connection and retighten the leaking connections. **Do not** light the torch if leaks are present.

#### **LIGHTING THE TORCH**



**WARNING!** Gloves, goggles, appropriate protection clothing such as aprons and safety shoes must be worn at all times when operating the torch.

1. Turn the Ignition Trigger to the Unlock position.
2. Slowly turn the Flame Control Valve counterclockwise 3~4 turns while holding the torch. Light the torch by slowly pressing and holding the Ignition Trigger. (Repeat if necessary.)

**WARNING!** Cold weather may cause a small flame because of the low pressure in the cylinder. In such cases, pre warm the cylinder to room temperature before use.

**WARNING!** Always direct flame away from any person.

2. To obtain proper flame, turn the Flame Control Valve clockwise. To avoid overheating the tip end, hold the torch in proper distance to object.
3. Push down the Lock Button to lock the Ignition Trigger for continuous operation.

**WARNING!** Operate torch in vertical position to avoid the liquid from entering the torch and causing the flame to flare or extinguishing flame in cold weather.

#### **SHUTTING DOWN EQUIPMENT**

1. Release the Ignition Trigger and Close the Flame Control Valve to distinguish the flame and wait for the tip to cool down.
2. Disconnect hand torch from cylinder by turning the cylinder counterclockwise while holding the hand torch body.
3. Store the cylinder in compliance with state or local regulations. Read the printed instruction and warning on the cylinder for storage. Keep equipment away from children.

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