

Hot Craft Studio

Instructions for Using the Torch for Jewelry/Metalsmithing



Acetylene and Air Dual Regulator for the Hot Craft Area for Jewelry/Metalsmithing

RIGHT Dial reads pressure in
tank.

LEFT Dial reads pressure in hose.

Gauges are all at ZERO.

Now you are ready to turn on
the gas.



First, LOOK!

Before engaging the gas, LOOK at the DIALS.

They must be in the neutral or DOWN state.

BOTH DIALS must be at ZERO.



Tank Key

The TANK key is used to turn ON and OFF the gas.

The tank key rests on the VALVE STEM of the gas tank.



Turning On the Gas

Using the TANK KEY, engage the key by turning the key COUNTER CLOCKWISE 1/4 turn.

You may use the UNIVERSAL WRENCH for this purpose if the key is too difficult to engage.



Gas Pressure Dial

After engaging the tank key counter clockwise, the **TANK PRESSURE NEEDLE** will show the **PRESSURE** in the **TANK**.



The Regulator

The regulator REGULATES the flow of gas.

When you touch the REGULATOR KEY it should be loose.



Engaging the Regulator

The REGULATOR regulates the pressure flows from the tank to the hose.

Turn the REGULATOR CLOCKWISE to INCREASE the PRESSURE to 8psi.

If the pressure reads higher than 8psi, turn on the gas from the torch and watch the left dial adjust back to 8. This is called a WORKING PRESSURE.



Y VALVES

There are two SIDE VALVES on attached to the regulator.

These are called Y VALVES or Y TAPS.

They allow for two hoses to attach to the regulator for dual soldering setups.



Smith ACET/AIR

A closeup of an Smith Air and Acetylene torch tip.

You will be tested on the attaching, removal and ignition of this tip.



Lighting the Torch

The Hot Craft Studio uses battery operated Pizo Electric Torch lighters.

Using a torch lighter, open the valve on the torch and touch it to ignite the flame.



Shut Down

SHUT OFF the gas completely by turning the TANK KEY CLOCKWISE.



BURN BLEED

To expel all of the gas through the hoses, after the gas has been shut off, ignite the torch and draw off the remaining gas through ignition.

This is called a BURN BLEED.



Bleeding the Line

The dial on the RIGHT shows that the gas has been turned off and the burn bleed has begun.

The dial on the LEFT shows the gas draining or burning off from the residual amount in the hoses.

The pressure in the hose is the last to drain.



Closing the Regulator

Next is closing down the REGULATOR. Turn the key COUNTER CLOCKWISE until the REGULATOR KEY is LOOSE.

You will be LOOSENING the key, NOT TIGHTENING. Doing so will DAMAGE the regulator.

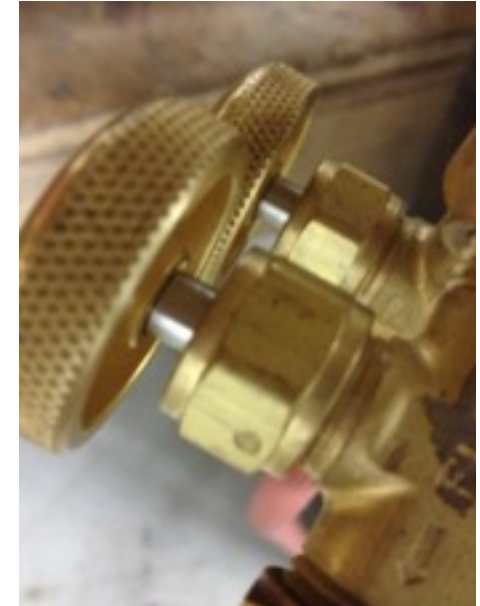


VALVE STEMS

The last part to shut down is the VALVE STEM.

The picture on the LEFT is the VALVE STEM OPEN.

The picture on the RIGHT is the VALVE STEM CLOSED.



CONGRATULATIONS

You have now successfully turned on and off the regulator.

Now go and play.

