

OXY-FUEL SYSTEM SET-UP & SHUT-DOWN PROCEDURES

QUICK-STEP CHECKLIST – ALTERNATE FUEL GAS

This Quick-Step Checklist can be used as a quick reference tool when setting-up an oxy-fuel system for heating, joining or cutting processes with alternate fuels. Following the inspection and installation of the regulators and hoses, the checklist is divided into two sections: 1) Heating/Welding/Brazing Torch Set-up, and 2) Cutting Torch Set-up.

OXY-FUEL EQUIPMENT SET-UP: ALTERNATE FUEL	
Inspection & Installation of Cylinders, Regulators and Hoses	
<i>Check each step once completed:</i>	Completed
• Utilize all appropriate PPE throughout the demonstration.	
• Inspect all inlet and outlet valves, threads and seats on both the cylinders and the regulators.	
• Clear both cylinder valves correctly.	
• Install the regulators correctly.	
• Inspect hose fittings for damage and attach correctly.	
• Open gas cylinders utilizing specific techniques per gas.	
• Purge both hoses by opening the regulator valves correctly per gas, one at a time.	
Notes: _____ _____ _____	



1) HEATING, WELDING, OR BRAZING TORCH SET-UP FOR ALTERNATE FUEL	
Heating/Welding/Brazing Torch Inspection & Assembly	
<i>Check each step once completed:</i>	Completed
<ul style="list-style-type: none"> • Inspect the torch handle and heating/welding/brazing nozzle thoroughly. 	
<ul style="list-style-type: none"> • Assemble the torch correctly. 	
<ul style="list-style-type: none"> • Attach the hoses correctly. 	
Notes: _____ _____	
Leak Check and Purging of Heating/Welding/Brazing Torch	
<i>Check each step once completed:</i>	Completed
<ul style="list-style-type: none"> • Perform the leak check on the torch correctly. <ul style="list-style-type: none"> ○ If leak is observed – STOP - DO NOT USE! 	
<ul style="list-style-type: none"> • Purge the torch correctly. 	
Notes: _____ _____	
Lighting the Heating/Welding/Brazing Torch, Adjusting the Flame, Setting a Neutral Flame, and Shutting Down	
<i>Check each step once completed:</i>	Completed
<ul style="list-style-type: none"> • Light the heating/welding/brazing torch correctly. 	
<ul style="list-style-type: none"> • Adjust the flame correctly to get a bright neutral flame. 	
<ul style="list-style-type: none"> • Shut down the torch flame properly. 	
Notes: _____ _____	
Shut-Down of Heating/Welding/Brazing Torch System	
<i>Check each step once completed:</i>	Completed
<ul style="list-style-type: none"> • Shut down and bleed the pressure from the system correctly. 	
Notes: _____ _____ _____ _____	



2) CUTTING TORCH SET-UP FOR ALTERNATE FUEL	
Cutting Torch Inspection & Assembly	
<i>Check each step once completed:</i>	Completed
• Inspect the torch handle and cutting attachment thoroughly.	
• Assemble the torch correctly.	
• Attach the hoses correctly.	
Notes: _____ _____	
Leak Check and Purging of Cutting Torch	
<i>Check each step once completed:</i>	Completed
• Perform the leak check on the torch correctly. ○ If leak is observed – STOP - DO NOT USE!	
• Purge the torch correctly.	
Notes: _____ _____	
Lighting the Cutting Torch, Adjusting the Flame, Setting a Neutral Flame, and Shutting Down	
<i>Check each step once completed:</i>	Completed
• Light the cutting torch correctly.	
• Adjust the flame correctly to get a bright neutral flame.	
• Shut down the torch flame properly.	
Notes: _____ _____	
Shut-Down of Cutting Torch System	
<i>Check each step once completed:</i>	Completed
• Shut down and bleed the pressure from the system correctly.	
Notes: _____ _____	

