

<b>Job Description</b>	<b>Brazing with Nitrogen</b>  Participant will shape and cut a section of copper tubing with two bends, reconnect the pieces, flare and attach one end, sweep with nitrogen, braze the joints, and verify all connections before cleanup and evaluator notification.
<b>Administration Time</b>	30 minutes
<b>Equipment, Supplies, and Materials Required</b>	<ul style="list-style-type: none"><li>• 24" section of 3/4" copper tubing</li><li>• 3/8" flare nut</li><li>• 3/8" MFL x 1/4" MFL adaptor</li><li>• 8 inches of 3/8" soft copper pipe</li><li>• 3/4" to 3/8" reducer</li><li>• 15% silver alloy brazing rods</li><li>• Oxy/acetylene or air/acetylene torch only</li><li>• Pipe cutter</li><li>• Tape measure</li><li>• Swaging and flaring kit</li><li>• Sand cloth</li><li>• Nitrogen tank with nitrogen regulator and flow meter used for low pressure purge or sweep</li><li>• 1/4" hose for purging or nitrogen sweep</li><li>• Wet rag for cleaning prior to inspecting</li><li>• Pipe bender</li><li>• Vise or clamp if needed</li><li>• Scribing tool or marking tool</li><li>• Deburring or reaming tool</li><li>• Small bucket</li><li>• <b>PPE:</b><ul style="list-style-type: none"><li>○ Gloves</li><li>○ Safety glasses</li></ul></li></ul> <p><b>NOTE: No wiring is to be removed or replaced with power on.</b></p>