




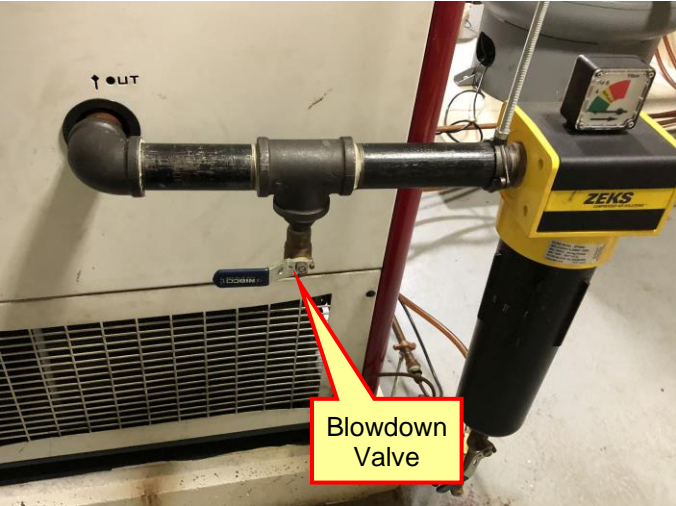


Location: G Level Mezzanine**Lock & Tags Needed: 2****Purpose:** to lockout and tagout Building Air Compressor #1 for preventive maintenance and repairs.**Hazards:****480 VDC** Electrical discharge can occur when opening disconnects, stand to the side in case of energy release.

Rotating machinery can cause severe injury. Keep hands clear unless the unit is locked out in a safe condition.

**100 PSI** Compressed air is extremely forceful and can dislodge particles from the vessel and enter eyes and damage skin; pressure and sound may also cause hearing damage.**Building Air Compressor #1**

Steps	Key Points
<p>Prepare for Shutdown</p>	
<p>1. Notify the affected employees and identify the energy sources.</p>	
<p>Shut Down Equipment</p>	
<p>2. Shut down BAC-1 via the Building Automation System (BAS). 3. Turn off BAC-1 by pressing the stop/reset button on the control panel. 4. Press the E-stop button.</p>	
<p>Lockout Equipment</p>	
<p>5. Open the compressor #1 electrical disconnect on the local disconnect panel. 6. Apply lock and tag to disconnect. </p>	 <p>Located to the left of compressor. Control power is fed from a plug to a 120 VAC outlet behind compressor.</p>

Steps	Key Points
<p>7. Close the compressor outlet valve.</p> <p>8. Apply lock and tag to valve. </p>	 <p>Located above right of compressor.</p>
<p>CAUTION: If electrical work is to be performed, an electrical zero energy state needs to be verified by a qualified person. Per NFPA 70E, you shall use PPE and established boundaries to protect against arc flash to verify a zero energy state.</p>	
<p>Remove Stored Energy</p>	
<p>9. Vent system pressure by opening the blowdown valve.</p>	
<p>Verify Isolation</p>	
<p>10. Attempt to restart BAC-1 at the control panel.</p>	<p>Maintenance can commence once the equipment has been verified.</p>

Steps	Key Points
Restore Equipment to Operation	
<p>11. Check BAC-1 and the immediate area around BAC-1 to ensure that nonessential items have been removed and that the pump components are operationally intact.</p> <p>12. Verify that the controls are in proper position prior to re-energizing equipment.</p> <p>13. Remove the lockout devices and reenergize the machine or equipment in the reverse order in which they were applied.</p> <p>14. Notify affected employees that servicing is complete and the equipment is ready for operational test.</p>	<p>When the servicing or maintenance is completed, and the machine or equipment is ready to return to normal operating condition, these steps shall be taken.</p>