

OXYGEN REGULATOR INSTRUCTIONS

THIS PAGE IS A SUPPLEMENT TO THE SAFETY INFORMATION SUPPLIED WITH YOUR REGULATOR. READ AND UNDERSTAND THE SAFETY DOCUMENTS SUPPLIED WITH YOUR PARTICULAR OXYGEN REGULATOR.

PRIOR TO INSTALLING A REGULATOR YOU **MUST** INSPECT THE CYLINDER VALVE, AND THE REGULATOR NUT, AND NIPPLE FOR DIRT, METAL SHAVINGS, OIL, OR ANY FOREIGN MATERIAL.

1. With the cylinder pointed away from the operator crack the cylinder valve to blow out the fitting.
 2. Inspect the inlet nipple on the regulator to ensure it is clean and there is no damage to the sealing surface or the threads on the inlet nut.
 3. Install the regulator on the cylinder and tighten it wrench tight. **DO NOT OVER TIGHTEN**
 4. **BACK OFF THE REGULATOR ADJUSTING SCREW BEFORE OPENING THE CYLINDER VALVE.** Turn it counter clockwise until all pressure is off of the diaphragm spring.
 5. **With the operator standing off to the side of the cylinder VERY SLOWLY CRACK THE CONTROL VALVE UNTIL THE PRESSURE EQUALIZES IN THE REGULATOR.** You will be able to hear it stop flowing and the gauges will stop climbing. When pressure equalizes, fully open the cylinder valve.
 6. Turn the Regulator Adjusting Screw clockwise to set the desired pressure. **DO NOT OVER TIGHTEN**
 7. Slowly crack open the control valve on the lance holder and blow out the oxygen hose to ensure there is no debris in the hose.
- CHANGING CYLINDERS OR SHUTTING DOWN AT THE END OF WORK**
8. When the cylinder is empty CLOSE the cylinder valve.
 9. Vent the downstream equipment by slowly opening the oxygen valve and bleed off all pressure.
 10. BACK the regulator adjusting screw out until there is no tension on the diaphragm spring.
 11. To install the new cylinder repeat steps 1 through 7.
 12. When the job is complete, CLOSE the cylinder valve.
 13. Vent the downstream equipment by slowly opening the oxygen valve and bleeding off all pressure.
 14. BACK the regulator adjusting screw out until there is no tension on the diaphragm spring.
 15. Remove the regulator and store in a manner that prevents the regulator from becoming contaminated.

DO AND DO NOT for Oxygen Regulators

DO – Read all safety instructions prior to installing and using an oxygen regulator

DO – Follow all operating instructions for the regulator and the equipment it is supplying oxygen to

DO – Inspect all cylinders and equipment before using

DO – Back off the pressure adjusting screw before pressurizing the regulator

DO – Stand with the cylinder between you and the regulator with the regulator bonnet facing away

DO – Open the cylinder valve VERY SLOWLY and ONLY ENOUGH to allow the regulator to equalize

DO – Open the cylinder valve FULL open for operation

DO – Use protective clothing and appropriate eye protection when operating oxygen cutting systems

DO – Store all oxygen equipment so it is protected from contamination

DO – Check all connections and components for leaks with an approved for oxygen leak detector solution

DO NOT! – Attempt to repair or substitute parts on regulators. Special tools and cleaning equipment are needed to safely repair oxygen regulators. Repairs should be performed by qualified technicians only

DO NOT! – Attempt to use any other regulator than one designed and cleaned for Oxygen Service

DO NOT! – Change out gauges on a regulator with any gauge not designed and cleaned for Oxygen Service.

NEVER use an OIL FILLED GAUGE to replace a gauge on an oxygen regulator

DO NOT! – Blow dirt off of clothing with oxygen. The fabric can become saturated with oxygen and burst into flames with even a small spark

