

Standard Procedure: Medical Gases Cylinder Change Over.

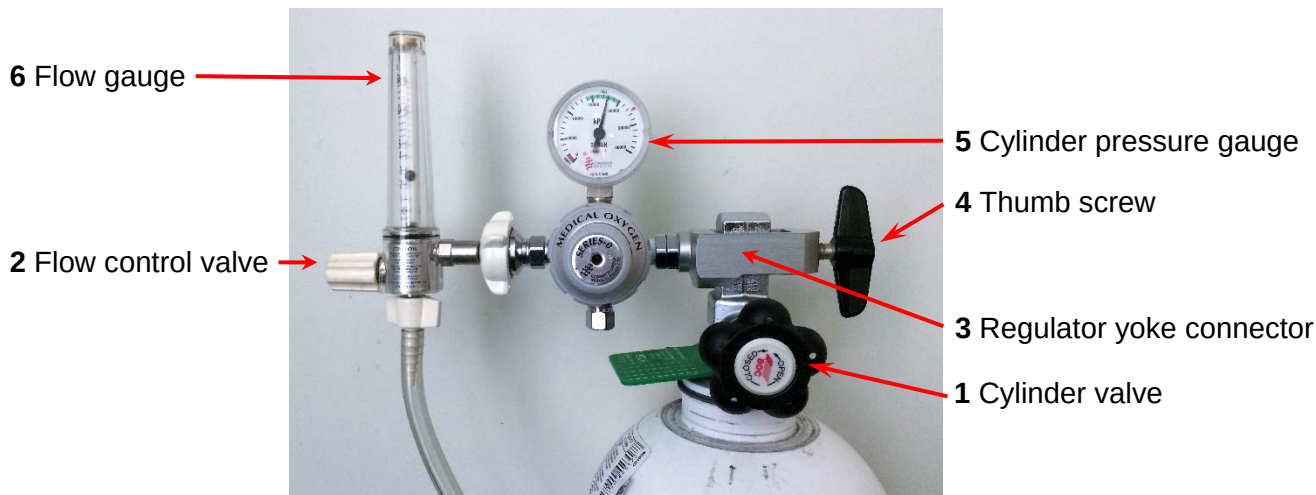


Figure 1 Typical Pin indexed regulator. (Medical oxygen shown however each medical gas has a different regulator)

- a. Close the Cylinder valve **1** (turn hand wheel clockwise).
- b. Reduce the outlet pressure (turn the Flow control valve **2** anti-clockwise).
- c. Vent any gas in the regulator at any secondary supply valve or attached apparatus whenever possible. (Exercise caution when venting oxidiser or anaesthetic gases).
- d. Remove the regulator from the cylinder valve (undo the yoke connector **3** at the cylinder valve by turning the thumb screw **4** anti-clockwise).
- e. Remove the empty/unwanted cylinder.
- f. Secure the replacement cylinder at 2/3 its height or in restraint provided.
- g. Secure empty/unwanted cylinder to cylinder trolley.
- h. Remove the plastic covering from the cylinder valve outlet (DO NOT use gas pressure).
- i. Inspect regulator inlet or seal for serviceability (replace if necessary).
- j. Attach the regulator to the cylinder valve making sure that the pins in the yoke seat properly, then tighten the thumb screw **4** clockwise.
- k. While standing to the side (neither in front of nor behind the regulator) slowly open the cylinder valve anti-clockwise. Open FULLY, then close half a turn.
- l. Check the regulator to valve connection with a leak detector or soapy water (other suitable liquid that will not damage the valve or regulator could be used) for leaks. If bubbles form or a leak is detected close the cylinder valve and retighten the yoke connector. Open the cylinder valve and leak test again. Repeat until there are no leaks detected. If a leak remains, regulator replacement may be required.
- m. Mark the FULL inlet pressure on the cylinder pressure gauge **5** with tape or marker pen if required.
- n. Adjust the Flow control valve **2** to the required flow rate and mark the outlet flow rate gauge **6** if required.