

PRESSURE REGULATORS, MEDICAL

Instructions for Installation, Start-up and Service.

To operate this pressure regulator, it is required that you be trained in its proper use or be under competent supervision.

The following operating procedures must be observed in order to prevent accident, injury, or damage to the equipment.

The pressure regulator is equipped with an inlet connection compatible with the valve on the cylinder according to CGA specifications.

Use this pressure regulator only with the gas for which it is intended. Do not use with compressed gas cylinders that exceed 400 pounds per square inch gauge.

I. INSTALLATION

1. Secure the cylinder to stand.
2. Inspect cylinder valve for damaged threads and for traces of dirt, dust, oil and grease. Dirt and dust may be removed with a clean cloth. If threads are damaged, or if grease or oil is detected, DO NOT use the cylinder. Inform the gas supplier immediately.
3. Inspect the inlet connection of the pressure regulator for damaged threads and for traces of dirt, dust, oil and grease. Remove dirt and dust with a clean cloth. If threads are damaged, or if grease or oil is detected, DO NOT use the pressure regulator. Call Alcon for service.
4. After both cylinder valve and pressure regulator have been inspected, verify that the sealing o-ring is in place and attach the pressure regulator to the cylinder. Securely tighten the connection with a wrench.

II. START UP

1. Turn the regulator on/off knob clockwise until it comes against a stop (closed).
2. Stand behind the cylinder so that the cylinder is between you and the pressure regulator. Turn the cylinder valve counter-clockwise in a SLOWLY progressive manner until you hear the hissing sound of the gas flowing into the pressure regulator. Observe the pressure increase on the gauge.
3. When the pressure indicated on the gauge has stabilized, close the cylinder valve and observe the gauge reading both at the beginning and at the end of a 5-minute period. There should be no visible decrease in the reading. A drop in pressure would indicate a leak in the cylinder valve, inlet connection, gauge, or through the pressure regulator valve seat assembly. Check again after tightening the inlet connection. If the problem persists, call Alcon for service.

4. After step 3 has been verified, slowly open the cylinder as in step 2. Then open the valve fully.
5. Connect the apparatus to the outlet fitting of the regulator.
6. Start flow from the regulator to the apparatus by turning the regulator on/off knob counter-clockwise to open.
7. When supply pressure to the apparatus is no longer required, close the on/off knob on the regulator.
8. Repeat steps 5 through 7 to dispense gas to apparatus, as required. Close cylinder valve when dispensing is completed. If cylinder pressure gauge drops to 50 psig during use, replace the cylinder (see section III. Service).

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III. SERVICE

The pressure regulator is removed from a cylinder to transfer it to a new cylinder or to be serviced. The removal procedure involves the following steps:

1. Close the valve on the cylinder.
2. Drain the gas left within the inlet connection and the pressure regulator by creating an outlet flow: open the on/off knob on the regulator with nothing connected to the outlet of the regulator.
3. When gas flow stops, turn the regulator on/off knob clockwise to its stop (closed).
4. Remove the pressure regulator from the cylinder valve by unscrewing the nut of the inlet connection being careful not to lose the sealing o-ring.

IMPORTANT NOTE

**DO NOT USE THIS REGULATOR
ON COMPRESSED GAS
CYLINDERS WITH PRESSURE
EXCEEDING 400 psig**

IMPORTANT SAFETY AND OPERATING INSTRUCTIONS

**MEDICAL PRESSURE
REGULATORS**

**For your safety...
PLEASE READ
CAREFULLY**

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