Caution! To ensure safety, regulators, flowmeters and flowgauge combinations should be returned to Medical Equipment & Gases Australia for inspection and testing at least every three (3) years, more frequently if needed.

- Keep the regulator in a clean, dry plastic bag when not connected to an oxygen cylinder to keep the regulator clean.
- Do not use any oil, grease or cleaning agents.
- Wipe the exterior of the regulator clean with a clean dry soft lintless wiper or cloth. The wiper may be damp with clean water for stubborn spots or stains.
- Very carefully remove dust and debris from exterior of filters.
- Do not use shop or service station compressed air to blow away debris, as the compressed air may contain oil vaper.

Repairs

All repairs must be performed by qualified service personnel. See your dealer / distributor for how to obtain repair service.

Accuracy

All 473 model Flotec Regulators have an accuracy of +10%, expect for "mini" series regulators have an accuracy of + 15%.

Warranty

The 473 regulators are manufactured by Flotec Inc IN USA and carry a Three (3) year warranty against defective workmanship or materials. Products that have been subjected to misuse or abuse or have been serviced by unauthorised persons are excluded from warranty coverage.

The MEGA Experience

MEGA is a leading medical equipment and maintenance provider in Australia.

The team is committed to providing a comprehensive and personalised service experience.

MEGA MEDICAL

MEGA MEDICAL

Dial Oxygen Regulators

(473 Series)

Medical Equipment & Gases Australia Pty Ltd
Complies with AS 4706-2001
Installation and Operating Instructions

For equipment and service - Please Contact

1300 881 824
www.megamedical.com.au
9 Middleton Road Cromer NSW 2099

ABN 76 053 999 205

Note: Failure to read and follow the important instructions in this pamphlet may damage the components of this device and render it inoperable.

Regulator Connections

Medical Oxygen cylinders have gas specific valves (ref AS2472) which require regulators that are also gas specific.

Maximum Inlet Pressure 18500kpa at 15 degrees Celsius.

WARNING AND CAUTIONS

Caution: Read these directions thoroughty before attempting to install or operate your regulator. Always keep the regulator in a dry place and allow them to warm to room temperature before use.

Do not allow regulators which have been exposed to high moisture conditions while unconnected to be instaled and operated in subfreezing weather conditions. Frozen water vapor in regulators can render them inoperable and create potentially hazardous conditions.

- Use only with Medical Grade Oxygen gas.
- Oxygen gas under high pressure can vigorously accelerate combustion.
- Do not use or store near heat or flame.
- Do NOT SMOKE near this device.
- The indicated flow rate will not be accurate if the outlet (patient tubing) is occulated or restricted.
- Keep away from and absolutely free from oil and grease.
- Do not use if any trace of all or grease is detected.
- Do not look at regulator pressure gauge until cylinder valve is fully open.
- Use only with equipment and components that meet Australian Standards for medical oxygen systems.
- To be used only by personnel property trained in oxygen administration for oxygen deficiency or emergency resuscitation. For all other medical applications, use only as directed by a physician.
- Do not attempt to use on patients who have stopped breathing unless in conjunction with resuscitative equipment.
- Keep out of reach of children.
- Always open cylinder valve slowly and close cylinder valve after each use and when empty. Never shut off flow with flow adjustment knob. Handle and store with care. Do not drop.
- Do not attempt to repair the regulator.
- Regulators DO NOT protect downstream systems; additional safety controls may be needed.
- Cylinders and regulators should always be property secured in trolleys, stands or other protective devices.
- DO NOT autoclave, gas sterilize or immerse the regulator in any situation.
- Never attempt to use gas from a high pressure cylinder without using a pressure reducing regulator.
- Stand away from regulator when opening cylinder valve.

Intended Use

- This device is solely intended to reduce cylinder pressure of high pressure medical oxygen gas to permit safe use of the gas. The fixed pressure regulator reduces the high pressure of the cylinder to a pressure compatible with the orifice set in the regulator.
- This type of dial regulator is for use where mask, catheter and cannula administration of oxygen is desired. The number in the window on the regulator body indicates the oxygen flow in litres per minute.
- Some models of the regulator may be fitted with low pressure.
- (50 ps) DISS male outlets (as per AS2896) with check valves for use with secondary devices which require high flows and 50psi.
- If so equipped, after confirming that the female DISS nut on the secondary device is compatible with the regulator DISS male outlet, follow instructions of the secondary device manufacturer for proper attachment to the regulator and the subsequent safe operation of the secondary device.

Installation

Adjustable flow and fixed flow regulators, with pin indexed yoke connection.

- Check to see that only one sealing washer is in place on yoke inlet.
- Position regulator yoke on cylinder post valve.
- Insert indexing pins on yoke assembly into indexing holes in cylinder post valve.
- Tighten Tscrew firmly by hand. DO NOT reorient regulator after tightening screw.
- Push cannula or make tubing secure onto oxygen hose nipple fitting.
- ***Caution:*** To prevent possible damage to regulator components including gauges, be sure that the regulator flow control valve is turned to the off position before opening the cylinder valve.

Operation (All Regulators)

- Clear mouth of foreign materials.
- Slowly open the cylinder valve until it is fully open and check for leaks.
- Attach the patient tubing to the barbed outlet of flow meter.
- On adjustable flow models, turn flow adjusting knob until desired flow rate is indicated.
- Place mask over nose and mouth. If using a cannula, insert prongs into nose.
- When need for supplemental oxygen has passed, remove cannula or mask and close cylinder valve.

Removal (All Regulators)

- Before disconnecting the regulator from the oxygen cylinder valve, do the following:
- Firmly turn off the cylinder valve.
- Turn knob of the regulator to the minimum flow rate
- Disconnect the regulator when no gas flow can be felt and return the flow control setting to the zero position.
- Remove regulator from cylinder by reversing installation procedure for the regulator style you are using.

Maintenance and Cleaning

Warning: Any unit not meeting the performance requirements outlined by Medical Equipment & Gases Australia shall either be repaired or retired from service.

Take care that medication, water or any cleaning agent is not allowed to drain or spill into the regulator. Keep filters and exterior clean.