

Quick Guide

WHAT'S INSIDE



- Full EZ-OX Plus™ Size 5 (E) Oxygen Cylinder with Integrated Pressure Regulator and Flowmeter PN: OXM5EZOXP
- Manual Resuscitation Bag Valve Mask (BVM) PN: 520211000EA
- Adult HC, Partial Non-Rebreathing Oxygen Mask PN: 2101
- Pediatric HC, Partial Non-Rebreathing Oxygen Mask PN: 2201
- Accessories Storage Bag PN: O2KITBAG
- Emergency Oxygen Kit - Quick Guide
- Cylinder Shipping Box - **Do NOT Throw Away** PN: O2KITBOX



O₂ KIT EMERGENCY OXYGEN DELIVERY SYSTEM

The **O₂ KIT** emergency oxygen delivery systems includes the following medical equipment:

- **Portable oxygen tank with high-precision flow dial:** The EZ-OX Plus™ oxygen cylinder is an innovative oxygen tank designed as a delivery system made of a pressure regulator, flow meter and medical size 5 (E) oxygen cylinder - integrated into a single lightweight oxygen cylinder unit containing USP medical grade oxygen. The integrated pressure regulator controls the pressure coming out of the cylinder and is indicated on the gauge in pounds per square inch (psi). The flowmeter controls how rapidly the oxygen flows from the cylinder to the patient. The flowrate can be set from 1 to 25 liters per minute (LPM).
- **Delivery devices:** The equipment a patient breathes through is an oxygen delivery device. Tubing carries the oxygen from the regulator to the delivery device. Delivery devices included in the **O₂ KIT** are based on requirements set by the different dental associations and contain partial non-rebreather masks (adult and pediatric) and a bag-valve-mask resuscitator (BVM).

| Delivery Device | Description | Common Flow Rate | Oxygen Concentrations | Suitable Patients |
|--|--|------------------|-----------------------|--|
| Partial non-rebreather mask  | Face mask with an attached oxygen reservoir bag and two-way valve between the mask and bag. The patient inhales oxygen from the bag and exhaled air partially escapes through flutter valves on the side of the mask to allow some amount of rebreathing. Partial non-rebreather masks provide high concentrations of oxygen without the risk of suffocation in the event oxygen source depletion or disconnection. | 10–15 LPM | Up to 80% | <ul style="list-style-type: none"> ● Breathing patients only |
| Bag valve mask resuscitator (BVM/Ambu)  | A bag valve mask (BVM), sometimes known by the proprietary name Ambu bag or "self-inflating bag", is a hand-held device used to provide positive pressure ventilation to patients who are not breathing or not breathing adequately. The use of a BVM force-feeds air or oxygen into the lungs in order to inflate them under pressure, thus constituting a means to manually provide positive-pressure ventilation. | 15 LPM or higher | 90% or more | <ul style="list-style-type: none"> ● Patients with difficulty breathing ● Patients who are not breathing |

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OXYGEN SAFETY PRECAUTIONS

Use emergency oxygen equipment according to the device instructions, in a manner consistent with federal and provincial regulations, and according to local protocols. Never attempt to refill an oxygen cylinder on your own.

Please contact Air Liquide Healthcare for cylinder refills or returns.

Specific attention should be given to the following areas concerning oxygen cylinders:

WARNING: If oil or grease is visible or suspected do not use the system.

IMPORTANT: Before using, secure the oxygen cylinder to keep it from falling or rolling over.

- Do not use oxygen around flames or sparks, including smoking materials such as cigarettes, cigars and pipes. Oxygen causes fire to burn more rapidly and intensely.
- Inspect the regulator valve for traces of dirt, dust, oil or grease. Dirt and dust can be removed safely with a lint free cloth.
- Do not defibrillate someone when around flammable materials, such as free flowing oxygen or gasoline.
- Do not use grease or oil to lubricate or clean the regulator.
- Do not drag or roll cylinders.
- Do not deface, alter or remove any labeling or markings on the cylinder.
- If any hissing sound can be heard indicating a leak, do not force the knob counter-clockwise past the positive stop at the off position. Should a leak occur, remove the system from service and place it outdoors. Tag for defect and return it for repair.
- When in use, if the system is jarred, dropped or knocked over, it should be checked to ensure connections are secured, components are not damaged, and proper flow rate is maintained.



WARNING

NEVER ATTACH AN OXYGEN CONNECTOR (CHRISTMAS TREE) TO THE AUXILIARY PORT!

REORDERING CLINICAL ITEMS OR RETURNING YOUR O₂ KIT FOR A REFILL

- Contact Air Liquide Healthcare by phone (**1-888-629-0202**) or email (**cs.vitalaire@airliquide.com**) to reorder the single-use clinical items individually (additional charges may apply) using the product codes listed on page 1 or whenever you are ready to return your **O₂ KIT** for a refill (1 refill per year included).
- Our customer service team will provide you with all the necessary prepaid labels and Transportation of Dangerous Goods (TDG) documentation to ship the empty cylinder back to us.
- **Note:** It is required to use the original shipping box from the **O₂ KIT** to return the cylinder. Please contact our customer service team if you require a new cylinder box for your return (additional charges may apply).



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ASSEMBLING THE O₂ KIT EMERGENCY OXYGEN SYSTEM

Note: Assemble the **O₂ KIT** after delivery, if necessary.

1 REMOVE CYLINDER AND MASKS FROM THE SHIPPING BOX

- Make sure to keep the shipping box as you will need it to ship the cylinder back to Air Liquide Healthcare for refills or to return your cylinder when no longer needed.

2 ASSEMBLE O₂ KIT

- Place the partial non-rebreather and BVM masks inside the **O₂ KIT** storage bag and use the velcro straps to hang the bag around the cylinder.

3 TURN THE UNIT ON TO CLEAR VALVE AND CHECK PRESSURE

- With the regulator valve's barbed outlet facing away from you, activate the control knob clockwise to purge any undetectable debris from the regulator valve, then turn off the regulator valve.
- If the pressure gauge shows less than 1/4 full, the cylinder should be exchanged for a full cylinder to ensure an adequate supply of oxygen.

4 TURN THE UNIT OFF AND KEEP THE ASSEMBLED KIT READY FOR EMERGENCIES

- Turn the flow of oxygen to "OFF" by turning the knob counter-clockwise to the off position.
- Ensure the **O₂ KIT** is kept in a convenient place where the cylinder is well secured to prevent accidental cylinder falls that could cause injuries.



ADMINISTERING EMERGENCY OXYGEN

Note: Always follow local protocols and standard precautions when providing care.

1 TURN THE UNIT ON BY ADJUSTING THE FLOW AS NECESSARY

- Turn the flowmeter to the desired flow rate:
 - **Partial non-rebreather mask:** 10 to 15 LPM . A minimum of 10 LPM is required on a partial non-rebreather mask to avoid CO₂ retention.
 - **BVM:** 15 LPM or more

2 VERIFY THE OXYGEN FLOW

- Listen for a hissing sound and feel for oxygen flow.

3 ATTACH THE DELIVERY DEVICE

- Attach the plastic tubing between the flowmeter and the delivery device.

4 PLACE THE DELIVERY DEVICE ON THE PATIENT AND PROVIDE CARE AS NEEDED

- **Note:** For young children and infants who are frightened by a mask being placed on their face, use a "blow-by" technique. To perform this technique, hold the mask about 2 inches from the child's face, waving it slowly from side-to-side, thus allowing the oxygen to pass over the face and be inhaled.



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USING A BVM (BAG VALVE MASK) FOR MANUAL VENTILATION

Note: Always follow local protocols and standard precautions when providing care.

- 1 ASSEMBLE THE BVM**
- 2 CONNECT THE BVM TUBING TO OXYGEN SOURCE**
- 3 POSITION PATIENT TO OPEN THE AIRWAYS**
- 4 POSITION THE MASK**
- 5 SEAL THE MASK**
- 6 VENTILATE PATIENT**



Contact

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