

OXI-port™ 8000 OXYGEN THERAPY

OPERATING MANUAL



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1 Disclaimer

This manual includes details of the design, operation and maintenance of the *OXI port™ 8000*. It is not a training manual for resuscitation and/or oxygen administration and must not be used as a substitute for such training. Medical Developments International Limited makes no claim that the information, practices and procedures given in this manual will warrant correct or adequate treatment

This manual is intended as a guide only. Medical Developments International Limited accepts no responsibility for incorrect operation of the equipment or incorrect management of patients. It is essential that all individuals operating this equipment are fully trained for the procedures described in this manual

2 Components

- Soft carrying case with a lift up cover with pockets for the accessories. The carry handle can also be used to attach to a wall
- *Optional* shoulder harness
- KDK™8000 Autovalve: combined regulator/flowmeter. Fixed flow 8L/min. Oxygen Flush
- Cylinder valve key wheel with chain
- Oxygen therapy mask with reservoir bag (Single patient use)
- *Optional* oxygen therapy mask without reservoir bag (Single patient use)
- Pocket Resuscitator Mask (Single patient use)
- Oxygen therapy tube
- *Optional* self-seal outlet
- ‘New Century First Aid’ booklet
- Operating Manual

3 KDK™8000 Autovalve: Regulator/Flowmeter

The KDK™8000 Autovalve reduces the cylinder pressure to 400kPa. When the oxygen cylinder is turned on, it automatically delivers 8L/min of oxygen. An ‘OXYGEN FLUSH’ control is incorporated. The yoke is pin-indexed for oxygen (Australian Standard AS 2472). A pressure gauge indicates the contents of the supply cylinder. On request a self-seal outlet can be fitted; this is used to connect to an external oxygen supply cylinder or a wall outlet. The oxygen therapy hose connects the flow outlet to the therapy mask or the Pocket Resuscitator Mask

4 Oxygen Supply

The recommended ‘C’ size medical oxygen cylinder, capacity approximately 440 litres, provides 40-50 minutes of oxygen at a flow rate of 8L/min. Use of the OXYGEN FLUSH will reduce the duration of the supply of oxygen

5 Operation of the OXI-port™8000

5.1 Precautions

- Oxygen readily supports combustion. Do not use near an open flame
- Do not smoke while using the unit
- Ensure the area is ventilated and nothing is burning in the immediate vicinity
- Oil or grease must not be used on any part of the OXI-port™8000

5.2 Installation

- Lift the top cover
- Fit the KDK™8000 Autovalve to a 'C' size medical oxygen cylinder and tighten
- Use the oxygen keywheel supplied to SLOWLY turn the cylinder valve ON at least one full turn (anti-clockwise). Check the contents gauge
- If there is a leak, check that the sealing washer ('Bodok' seal) is in place
- Ensure the therapy hose is firmly attached to the outlet of the KDK™8000 Autovalve
- Check that the Pocket Resuscitator mask and therapy mask are in the pockets
- Secure the oxygen bottle using Velcro strap and buckle

5.3 Spontaneously Breathing Patient

Use the therapy mask

- Explain and reassure the patient what is involved during the administration of oxygen.
- Turn the oxygen cylinder ON (anti-clockwise). Oxygen will automatically flow at 8L/min
- The oxygen therapy mask supplied is fitted with a reservoir bag. However an oxygen therapy mask without a reservoir bag can also be used
- Note: If an oxygen therapy mask without a reservoir bag is used, the inspired oxygen concentration is about 50%. A reservoir bag is recommended as the inspired oxygen concentration is increased substantially.
- Ensure the oxygen therapy tubing is connected to the therapy mask and the barbed nipple of the KDK™8000 Autovalve
- Position the mask over the mouth and nose and mould the metal band over the bridge of the nose to achieve a seal and comfortable fit. Place the green elastic band around the patient's head above the ears and adjust until comfortable
- Observe the reservoir bag to ensure it remains inflated. If it deflates, rapidly refill by depressing the 'OXYGEN FLUSH'
- Monitor the patient's condition: DO NOT leave the patient unattended
- Monitor the oxygen supply. Replace the cylinder BEFORE it is completely exhausted

5.4 Resuscitating the Non-Breathing Patient

Use the Pocket Resuscitator Mask

- Position the patient appropriately - consider the possibility of spinal injury and take appropriate precautions if necessary
- Attach the green oxygen therapy tubing to the Pocket Resuscitator Mask and the barbed nipple of the KDK™8000 Autovalve
- Position the Pocket Resuscitator Mask over the mouth and nose, with the narrow end over the nose, ensuring the best seal possible
- With the operator positioned behind the patient's head, support the jaw and tilt the head back firmly. If necessary open the airway using jaw thrust
- Using a 'mouth to mask' technique, ventilate the patient about 12-14 times per minute in an adult, 20 times per minute in a child
- When spontaneous breathing returns, turn the patient onto the side. Keep the Pocket Resuscitator Mask in position or change to the oxygen therapy mask

6 Cleaning, Disassembly and Decontamination

- Carrying case: most scuffs and stains can be removed with a non-abrasive household cleaner and a sponge
- KDK™8000 Autovalve may be wiped clean, using soap and water. Do not immerse
- Face masks: The oxygen therapy and Pocket Resuscitator Masks are single patient use and should be discarded after use
- Oxygen tubing: Discard after use and re-attach a new oxygen tube to the flow outlet of the KDK™8000 Autovalve

7 Storage and Servicing

- Turn the oxygen cylinder ON and observe the pressure gauge: check that the cylinder is adequately full
- Ensure that oxygen is flowing and that the OXYGEN FLUSH is operating
- Turn the oxygen cylinder OFF and check that the gauge contents indicator returns to zero
- The frequency of checking should be established according to usage
- The OXI-port™8000 should be serviced every five (5) years. Contact Medical Developments International Limited
- Ensure the cylinder is currently within the 10-year test period. The date is stamped on the neck of the cylinder
- Store the in a clean, dry and well-ventilated area, away from sources of heat and combustible materials. Never allow oil, grease or flammable substances to come into contact with the equipment

8 Specifications

W – 50mm H – 560mm D – 70mm
Weight including cylinder - approximately 6.3kg

9 Spare Parts

AC-7595-15	Oxygen therapy mask c/w tubing Child (Optional)
AC-7595-16	Oxygen therapy mask c/w tubing Adult (Optional)
AC-7595-17	Oxygen therapy mask with reservoir bag c/w tubing (Optional)
AC-7595-20	Pocket Resuscitator Mask
AC-ACC-06	Oxygen therapy tubing Straight 5mm
AC-ACC-07	Oxygen therapy tubing 'Bubble'
CY-7580-35	Oxygen cylinder key wheel & chain
ST-NDS/149	Bodok Seal (sealing washer)

10 Reference

Oxer HF. *Simply Add Oxygen. Why isn't oxygen administration taught in all resuscitation training.* Resuscitation 43 (2000) 163-169

11 Catalogue No.

RS-7565-8000

12 Warranty

Medical Developments International Limited (MDI) warrants to the original purchaser that any part or parts, which on examination by MDI, prove to be defective within 24 months from the date of delivery to the original purchaser, will be replaced free of charge. This warranty does not include freight costs, consumables, plastic and perishable items. MDI will not be responsible for labour or transportation charges incidental to the replacement of any part or parts. This warranty is in lieu of all other warranties, obligations or liabilities expressed or implied. MDI neither assume nor authorize any other person to assume liability in connection with the sale. This warranty will not apply to any product that has been subject to accident, abuse or misuse. The warranty is not applicable when unauthorized repairs or modifications have been attempted, or when entire units or parts are damaged by accident, misuse or improper handling procedures

When returning the product under warranty, please include the following details:

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Purchaser:.....

Address:

Post Code: Country:.....

Model: *OXI-port™ 8000* Serial No: Date of Purchase:.....

Invoice No:..... Supplier: