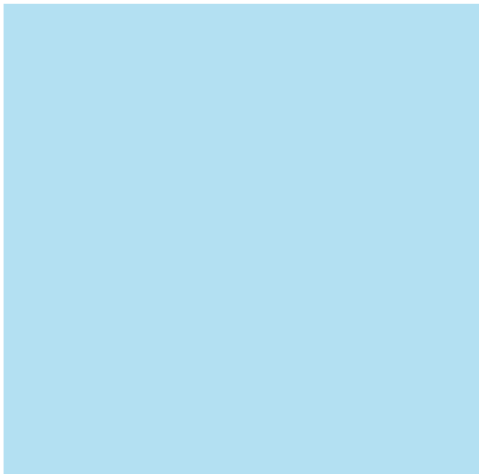




# MDI Product Range 2011



 Medical  
Developments  
International





## Penthrox® (methoxyflurane)

Penthrox® (methoxyflurane) is a non-narcotic inhalational analgesic that is self-administered by conscious haemodynamically stable patients (under supervision of personnel trained in its use) via the hand-held Penthrox® Inhaler to provide relief.

### Before prescribing, please review Approved Product Information.

**INDICATIONS:** For emergency relief of pain by self administration in conscious haemodynamically stable patients with trauma and associated pain, under supervision of personnel trained in its use and for the relief of pain in monitored conscious patients who require analgesia for surgical procedures such as the change of dressings. **CONTRAINDICATIONS:** Use as an anaesthetic agent; Renal impairment; renal failure; hypersensitivity to fluorinated anaesthetics (including familial history of hypersensitivity); cardiovascular instability; respiratory depression; head injury or loss of consciousness; malignant hyperthermia. **PRECAUTIONS:** Not to be used as an anaesthetic agent; Liver disease and liver damage after previous methoxyflurane or halothane anaesthesia; diabetic patients (may have an increased likelihood of developing nephropathy); daily use of methoxyflurane is not recommended; treatment with enzyme inducing drugs (e.g. barbiturates); cautious use of adrenaline or nor-adrenaline during methoxyflurane administration; caution in hot climates (do not expose to temperatures above 40°C, especially when used in conjunction with oxygen); use in the elderly and regular exposure to health workers. **SIDE EFFECTS:** Adverse Events reported in literature with analgesic doses include euphoria, drowsiness, sleepy, agitation, restlessness, headache, dizziness, dissociation, amnesia cough, choking, hypotension, nausea, vomiting, hepatitis, increased liver enzymes, increased serum uric acid, urea nitrogen and creatinine, diplopia and nystagmus. Hepatic toxicity in association with methoxyflurane is rare but has been observed with analgesic use. **DOSAGE AND ADMINISTRATION:** Up to 6 mL per day, vaporised in a PENTHROX® Inhaler. The total weekly dose should not exceed 15 mL. Administration on consecutive days is not recommended.

PENTHROX® is a registered trademark of Medical Developments International Limited, Springvale Victoria. Date prepared: May 2010.



PBS Information: Emergency Drug (Doctor's Bag) Supply only. For emergency pain relief.

## Pentrox® (methoxyflurane) 3ml

Pack of 10

**Code: ME-759044**

Each pack contains:

- 10 x 3ml Pentrox® (methoxyflurane)



## Pentrox® Inhaler

Pack of 10

**Code: ME-759046**

Each pack contains:

- 10 x Pentrox Inhalers



## Pentrox Single Combination

Pack of 10

**Code: ME-MS245**

10 packs for single patient use contains:

- 1 x 3ml Pentrox® (methoxyflurane)
- 1 x Pentrox® Inhaler



## Pentrox Double Combination

Pack of 10

**Code: ME-MS246**

10 packs for single patient use contains:

- 2 x 3ml Pentrox® (methoxyflurane)
- 1 x Pentrox® Inhaler



## Penthrox Single Combination Pack with AC Chamber

Pack of 1

**Code: ME-MS260**

Each pack for single patient use contains:

- 1 x 3ml Penthrox® (methoxyflurane)
- 1 x Penthrox® Inhaler
- 1 x AC Chamber



## Penthrox Combination Pack with AC Chamber

Pack of 10

**Code: ME-MS260-10**

10 packs for single patient use contains:

- 1 x 3ml Penthrox® (methoxyflurane)
- 1 x Penthrox® Inhaler
- 1 x AC Chamber



## Pentrox Training Combination Pack with AC Chamber

Pack of 10

**Code: ME-MS251**

Each pack for training & education use contains:

- 1 x 3ml Bottle containing Placebo (water)
- 1 x Pentrox® Inhaler
- 1 x AC Chamber



## Pentrox Training Combination Pack

Pack of 10

**Code: ME-MS247**

Each pack for training & education use contains:

- 1 x Pentrox® Inhaler
- 1 x 3ml Bottle containing Placebo (water)



## Pentrox (Research) 125ml

**Code: ME-ME0TH**

Each pack contains:

- 1 x 125ml Pentrox® (methoxyflurane)



# Asthma

- Asthma is a disease of the airways in the lungs<sup>1</sup>
- Globally it is estimated that as many as 300 million people of all ages and all ethnic backgrounds suffer from asthma<sup>2</sup>
- Asthma symptoms are caused by inflammation of the airways which makes them red, swollen, narrower and extra-sensitive to irritants. Asthma symptoms include recurrent attacks of wheezing, breathlessness, chest tightness and coughing<sup>1</sup>
- The causes of asthma are not fully understood. It is currently thought that asthma is probably caused by a mixture of hereditary factors and environmental factors. Allergens from house dust mites and pets are the most common causes, but many other allergens, such as pollen and moulds, can cause asthma<sup>1</sup>
- Asthma can be treated and managed by taking asthma medication, usually in the form of an aerosol inhaler, or 'puffer'
- Using the Space Chamber with your asthma medication helps to deliver more asthma medication to the lungs, where it is needed most

# COPD

- COPD stands for Chronic Obstructive Pulmonary Disease
- This is a term used for a number of conditions including chronic bronchitis and emphysema
- In chronic bronchitis, the lining of the airways becomes full of mucus. In emphysema the small air sacs that help oxygen get into the body become stiff and cannot hold enough air
- The word 'chronic' means that the problem is long-term
- The Space Chamber<sup>®</sup> greatly enhances the amount and effect of your prescribed inhaled medicine in opening the airways

## When should you use the Space Chamber<sup>®</sup> aerosol spacer?

- You should use the Space Chamber any time you decide to take your asthma or COPD medication

## Who should use the Space Chamber<sup>®</sup> aerosol spacer?

- Anyone using aerosol asthma and COPD medication ('puffer') can benefit from using the Space Chamber<sup>®</sup> aerosol spacer. You may find using the Space Chamber<sup>®</sup> aerosol spacer particularly useful if you have:
  - Difficulty in co-ordinating your inhalation and use of your aerosol asthma medication
  - Side effects from using your medication, such as oral thrush, hoarseness or a bad taste in your mouth
  - Difficulty in using your asthma medication during asthma attacks
  - Physical conditions that limit the effective use of your hand or fingers (such as arthritis)

## What are the benefits of using the Space Chamber<sup>®</sup> aerosol spacer?

- Most people have difficulty in using their aerosol inhaler medication correctly. The incorrect use of your aerosol inhaler medication results in ineffective treatment and wastage of your inhaler medication. The Space Chamber<sup>®</sup> aerosol spacer has been designed to deliver more inhaler medication into your lungs to help you take control of your asthma.

The benefits include:

- Increasing the amount of inhaler medication delivered to your lungs, where it is needed most
- Enhancing your ability to treat asthma and COPD symptoms
- Minimising the amount of inhaler medication that is wasted by being deposited into your mouth instead of your lungs
- Reducing unpleasant side effects, such as oral thrush, hoarseness and bad taste
- Eliminating the necessity to co-ordinate the inhalation of your inhaler medication while you press the aerosol canister
- Better/easier breathing

1. Global initiative for Asthma: [www.ginasthma.com](http://www.ginasthma.com)

2. Global Burden of Asthma, Masoli M, Fabian D, Holt S, Beasley R, Medical Research Institute of New Zealand, University of Southampton.

Developed for the Global Initiative of Asthma <http://www.ginasthma.com/ReportItem.asp?l1=2&l2=2&intId=94>

## Compact Space Chamber Plus with NEW Cross Valve Technology™

**Code: SP-SPAP-S**

Designed and developed in Australia by Medical Developments International  
Recommended for delivering Asthma & COPD medication with any brand/type/  
size of puffer or metered dose inhaler

### Features:

- **Cross Valve Technology™** ensures very low resistance when inhaling your medication (breathing in) and also allows you to easily breathe out through the chamber.
- **Transparent polycarbonate chamber**  
Respiratory valves and their movement can be easily seen. Enables the confirmation of correct product operation and usage.
- **Universal inhaler base**  
Compatible with all types of aerosol medication ('puffer'). Does not easily detach when removing the 'puffer'.
- **Unique multi-purpose mouthpiece for standard face masks**  
22 mm outer diameter can be used with any international standard facemask. 15 mm inner diameter can be attached directly to a tracheostomy or endotracheal tube.
- **Compact size**  
Easily fits into school bags, handbags or briefcases to allow easier storage and handling.
- Single patient use
- Dishwasher Safe



## Space Chamber Plus with NEW Cross Valve Technology™

**Code: SP-SPAP-M**

Designed and developed in Australia by Medical Developments International  
Recommended for delivering Asthma and COPD medication with ANY brand/type/  
size of puffer or metered dose inhaler

### Features:

- **Cross Valve Technology™** ensures very low resistance when inhaling your medication (breathing in) and also allows you to easily breathe out through the chamber.
- **Transparent polycarbonate chamber**  
Respiratory valves and their movement can be easily seen. Enables the confirmation of correct product operation and usage.
- **Universal inhaler base**  
Compatible with all types of aerosol medication ('puffer'). Does not easily detach when removing the 'puffer'.
- **Unique multi-purpose mouthpiece for standard face masks**  
22 mm outer diameter can be used with any international standard facemask. 15 mm inner diameter can be attached directly to a tracheostomy or endotracheal tube.
- Single patient use
- Dishwasher Safe



## Space Chamber with 2 Valve Technology

Pack of 1

**Code: SP-SPA-R**

### Features:

- 2 Valve Technology
- Reusable
- Autoclavable
- Dishwasher safe
- 2 year warranty



## Space Chamber with 2 Valve Technology

Pack of 20

**Code: SP-SPA-S**

### Features:

- Single Patient Use
- 2 Valve Technology
- Dishwasher safe
- 1 box of 20 individually wrapped in a plastic bag



## Breath - Alert Peak Flow Meter

Adult - High Range up to 800L/Min

**Code: PF-BTA**

### Features:

- Designed to measure asthma symptoms to enable early treatment of asthma and COPD
- Complies with all major international standards for accuracy, reliability and repeatability (Australia, NZ, USA, EU)
- All components made from high grade materials
- Re-usable mouthpiece can be easily cleaned or sterilised



## Breath - Alert Peak Flow Meter

Child - Low Range up to 350L/Min

**Code: PF-BTL**

### Features:

- Low Range Peak Flow Meter up to 350L/Min designed to measure asthma symptoms to enable early treatment of asthma and COPD
- Complies with all major international standards for accuracy, reliability and repeatability (Australia, NZ, USA, EU)
- All components made from high grade materials
- Re-usable mouthpiece can be easily cleaned or sterilised



## Silicone Face Mask

Size 2 Child & Size 3 Large Child

**Code: CI-FM-S025** (size 2 child)  
**CI-FM-S035** (size 3 large child)

### Features:

- Durable Silicone
- Autoclavable



## Silicone Face Mask

Size 4 Small Adult & Size 5 Large Adult

**Code: CI-FM-S045** (size 4 small adult)  
**CI-FM-S055** (size 5 large adult)

### Features:

- Durable Silicone
- Autoclavable



## Disposable Face Mask

Size 3 Child, Size 4 Small Adult & Size 5 Large Adult

**Code: CI-FM-1035** (size 3 child)  
**CI-FM-1045** (size 4 small adult)  
**CI-FM-1055** (size 5 large adult)

### Features:

- Disposable Face Mask
- Single patient Use



## Rescue and Resuscitation

Oxygen plays a primary role in our health and wellbeing and our bodies depend on it to survive. Humans can live without water or food for several days, but only survive approximately five minutes without oxygen.

In cases of accident or trauma, our body's requirement for oxygen increases. In fact, emotional stress and physical trauma tend to deplete our body's natural reserves of oxygen. Therefore, it is vital that additional oxygen can be provided to a patient in times of illness or injury.

MDI offers a range of innovative devices that can be used to provide oxygen to a patient in an emergency situation. These devices include simple "just turn on" devices to complex all-encompassing kits. Oxygen should be easily and simply available wherever there is the possibility of an emergency occurring.

All oxygen therapy and resuscitation devices feature our range of KDK™ regulators or flowmeters; manufactured from high quality materials and assembled by hand to ensure superior quality. They feature the unique "OXI-flush" button - which enables you to deliver an instantaneous high flow rate of oxygen to a patient (at 40L per minute) at the push of a button.

We are able to customise Oxygen kits to your own individual requirements including the OXI-vac suction device and a wide range of accessories including KAB Absorbers, masks, tubing, keywheels and bodok seals.

Ensure that you have the necessary equipment to provide oxygen to a patient and potentially save a life.

**For more information, please feel free to contact us.**



## Hudson Mask

Child

**Code: AC-7595-10**

**Contains:**

- Mask child
- 2 metre tubing



## Hudson Mask

Adult

**Code: AC-7595-16**

**Contains:**

- Mask adult
- 2 metre tubing



## Hudson Mask with Reservoir Bag

Adult

**Code: AC-7595-17**

**Contains:**

- Mask adult
- Reservoir bag
- 2 metre tubing



## CPR Face Shield Key Ring

**Code: AC-CPR-FS**

**Contains:**

- Key Ring with Disposable Face Mask
- Order 1,000 and have a customised company logo printed



## Brenniston CPR Resuscitation Pocket Mask

**Code: AC-CPR-PRO-BREN**

**Contains:**

- 1 x Foldable Cushion Mask with Oxygen Port and One Way Valve
  - 1 x PVC Gloves
  - 1 x Alcohol Swab
- Order a minimum quantity of 1,000 and have your own company logo printed



## CPR Pro Mask

**Code: AC-CPR-PRO**

**Contains:**

- 1 x Foldable Cushion Mask with a One Way Valve and tubing with oxygen port



## CPR Mask

Small Mouth to Mask Resuscitator

**Code: AC-CPR-PRO-S**

**Contains:**

- 1 x Foldable Cushion Mask With a One Way Valve



## Resuscitator

Child

**Code: RS-7595-BVMDC**

**Contains:**

- Disposable Child Bag Valve Mask

**Features:**

- Single Patient Use



## Resuscitator

Adult

**Code: RS-7595-BVMDA**

**Contains:**

- Adult Disposable Bag Valve Mask

**Features:**

- Single Patient Use



## Resuscitator - lockable

Adult

**Code: RS-7595-BVMDAL**

**Contains:**

- Adult Disposable Bag Valve Mask

**Features:**

- Lockable Pressure Release Valve
- Single Patient Use



## Resuscitator without limiting valve

Adult

**Code: RS-7595-BVMDAW**

**Contains:**

- Adult Disposable Bag Valve Mask without limiting valve

**Features:**

- Single Patient Use



## OXI-port® Hang Bag

**Code: RS-7565-8000**

For the **simple** and **convenient** administration of oxygen therapy at any location at any time to any patient by BLS users. Ideal for Shopping Centres, Airports, Schools, Universities, Mining and Corporate.

### Contains:

- 1 x KDK™ regulator with fixed oxygen flow rate at 8 L/min
- 1 x Hudson Mask with Reservoir bag
- 1 x CPR Pocket Mask (Mouth to Mask)
- 1 x pair PVC Gloves

### Features:

- An oxygen flush button to provide an instantaneous rush of oxygen
- Portable
- Requires minimal training
- Highly visible – should be located next to fire extinguisher and defibrillator if available
- Essential equipment that may help to save a life

**Does not include oxygen cylinder**



## OXI-port® Carry Bag

**Code: RS-7565-8000C**

### Features:

- Same features as hang bag but in convenient carry bag



## OXI-sok Oxygen Resuscitation Kit

Adult

**Code: RS-7565-815**

For rapid first response administration of oxygen therapy at any location, at any time to any patient. Ideal for the mining industry.

### Contains:

- 1 x KDK™ regulator with variable oxygen flow rate of 0, 8 or 15 L/min
- 1 x Adult Hudson Mask with Reservoir Bag
- 1 x CPR Pocket Mask (Mouth to Mask)
- 1 x Pair PVC Gloves

**Does not include oxygen cylinder**

### Features:

- Portable
- Ideal for ALS users
- Comprehensive first responder oxygen kit
- Features an oxygen flush button to provide an instantaneous rush of oxygen
- Highly visible
- Essential equipment that may help to save a life



## OXI-pro Resuscitation Kit

**Code: RS-7565-00**

For the administration of oxygen therapy or resuscitation by Advanced Life Support users with oxygen or resuscitation training

### Contains:

- 1 x KDK™ regulator with variable oxygen flow rates of 0, 1, 3, 4, 6, 8 and 15 L/min
- 1 x Adult Bag Valve Mask
- 1 x Adult Hudson Mask with Reservoir Bag
- 1 x Child Hudson Mask
- 1 x Soft Carry Bag
- 1 x CPR Pocket Mask (Mouth to Mask)

**Does not include oxygen cylinder**

### Features:

- Comprehensive oxygen delivery kit
- Features an oxygen flush button to provide an instantaneous rush of oxygen



- Portable
- Superior quality
- Highly visible
- Essential equipment that may help to save a life

## OxyLife Oxygen Resuscitation Kit Soft

**Code: RS-7515-SB**

### Contains:

- 1 x KDK™ regulator with variable oxygen flow rates of 0 to 15 L/min
- Manually Triggered Ventilator (MTV)
- OXI-vac™ Venturi Suction System

**Does not include oxygen cylinder**

### Features:

- All-in-one oxygen device: therapy, resuscitation and suction
- Simultaneous Oxygen administration available for 3 patients
- KDK™ regulator with variable oxygen flow rates of 0 to 15 L/min with 0, 3, 8 and 15L/min click settings
- Features an oxygen flush button to provide an instantaneous rush of oxygen which operates at all flow rates including zero.
- Soft Bag or Heavy duty stainless steel case option
- Essential equipment that may help to save a life
- Complies to Australian Standard AS2488-1995



## OxyLife Oxygen Resuscitation Kit Hard

**Code: RS-7515-10**

### Contains:

- Stainless steel case (drop down front panel)
- OXI-vac™ Suction System

### Features:

- Complies to Australian Standard AS2488-1995 'Resuscitators intended for use with humans
- Accessibility of components for instant operation
- Simultaneous oxygen for 2 patients
- TGA Listing AUST L 13234
- KDK150 Autovalve™ Cartridge type. Combined regulator/flowmeter reduces cylinder pressure to 400kPa. Flow range 0-15L/min with 0, 3, 8 & 15L/min click settings. OXYGEN FLUSH operates at all flow rates (including zero) A 'double adaptor' with 2 self-seal outlets is connected to the right side
- Stainless steel case Cradle fitted underneath the stainless steel case accepts both 440L 'C' size and smaller 320L cylinders. Case with drop down front panel
- Optional Model: OxyLife Resuscitator in a soft carry bag
- Self-seal valve fitted to left side of the case for an external oxygen supply



- MTV-100/Manually Triggered Ventilator (Demand valve with push-button override. Attached by a white oxygen hose line to a self-seal valve in the 'double adaptor'. The outlet of the MTV-100 is a 22/15mm M/F taper for attachment of an adult or paediatric facemask, endotracheal tube or laryngeal mask)
- Oxygen therapy can be administered to a second patient simultaneously: The flow rate can be set between 0-15L/min
- OXI-vac™ Suction System ON-OFF push button operation. The polycarbonate 250mL reservoir bottle is marked at 200mL. Narrow neck to prevent spillage when removing bottle. Spare suction bottle with blue cap for rapid changeover
- The panel inside the lid has elasticised supports to secure the accessories such as therapy mask, airways, suction catheter, and nebuliser

## MTV-100/Manually Triggered Ventilator

**Code: RS 7515-MTV**

### Features:

2m colour coded white (6 coil) with NTP nut for demand valve or MTV manually triggered ventilator at one end and white diameter indexed oxygen hand wheel for wall outlet or self-seal outlet on the other.

The MTV-100/Manually Triggered Ventilator is today's most advanced design in oxygen powered, manually-triggered, breathing devices. Designed to deliver 100% oxygen to a breathing or non-breathing pre-hospital patient, the MTV-100/Manually Triggered Ventilator provides emergency care professionals with greater versatility, increased safety, and improved performance over any existing hand-held device.

Advanced pneumatic technology limits and regulates gas pressure, providing patients with reliable, effective airflow, while giving emergency professionals a new level of assurance in administering oxygen. The MTV-100/Manually Triggered Ventilator may be attached to a portable, pressure-regulated, oxygen cylinder or central oxygen source. And this ventilator is versatile for use with a mask, endotracheal tube or tracheotomy tube. The next generation in oxygen-powered, manually-triggered, breathing devices the MTV 100/Manually Triggered Ventilator provides the industry with a new standard of safety and performance.

### Specifications (all specifications at 50 psi inlet pressure) :

- **Supply Pressure:** 50 ±5 psi
- **Anti-asphyxiation:** 55 LPM minimum @ -5 cm H<sub>2</sub>O pressure
- **Opening pressure:** (crack) 0 to -25 cm H<sub>2</sub>O
- **Storage temperature:** -40°F TO 160°F
- **Manually triggered flow:** 40 ±5 LPM @ 50 psi supply



- **Operating temperature:** -30°F to 125°F
- **Demand flow:** 100 LPM at 0 to -5 cm H<sub>2</sub>O pressure
- **Caution:** At temperatures below 30°F, the high pressure limit ranges between 60-80 cm H<sub>2</sub>O
- **Pressure limit:** 60 ±5 cm H<sub>2</sub>O
- **Inlet fitting:** Standard male oxygen DISS (swivel)
- **Secondary pressure relief:** 65 - 80 cm H<sub>2</sub>O max
- **Filter:** 25 micron, wire mesh
- **Expiratory resistance:** Less than 2.5 in. H<sub>2</sub>O @ 160 LPM flow
- **Outlet:** 22mm outside diameter x 15mm inside diameter
- **Peak demand flow:** 115 ±10 LPM @ 50 psi inlet. -5 cm H<sub>2</sub>O or less to obtain 100 LPM
- **Material:** Body- Vectra Cap- Vectra Button- Vectra Outlet- Polysul Inlet Fitting - Plated brass

## OXI-saver™

Soft (Closed circuit Oxygen Resuscitation Kit)

**Code: RS-7500-SB**

The OXI-saver is a self-contained portable apparatus providing facilities for simultaneous resuscitation, oxygen therapy and suction for both breathing and non-breathing patients.

It features the closed circuit resuscitation system with a soft breathing bag, providing the operator with an immediate diagnosis of the pattern of respiration so that a simple, safe and logical approach to management replaces the guess work and dangers of many resuscitation systems.

### Contains:

- Soft bag, Cordura with pockets for accessories
- 1 x KDK™ regulator with variable oxygen flow rates of 0.5 to 8 L/min
- KAB™ CO<sub>2</sub> Absorber disposable, with "F" circuit, breathing bag, #5 mask
- Oxygen hose line (white) with removable adapter to fit rear of KAB
- Aluminium plate (internal) fitted with support KAB-DIK (RHS)
- Operational Manual
- Oxygen therapy nipple restrictor (8L/min) c/w 2m therapy tube
- Silicone suction tubing 1.5m
- Oxi Vac
- Soda lime pack (1Kg)
- Soda lime filling bottle
- CPR-Pro Pocket Mask



- Spare Bodok seal in plastic bag
- (Optional) KAB™ CO<sub>2</sub> Absorber reusable version
- (Optional) Variable venous tourniquet
- (Optional) "Handicant" oxygen decanter (refilling small cylinders)
- (Optional) Soda Lime 4.5kg pack (10 refills)
- (Optional) 320L Oxygen Cylinder with cylinder control knob

**Does not include oxygen cylinder**

### Cost effectiveness:

- Provides approximately six hours of oxygen from a full standard 'C' size medical oxygen cylinder (440 L), compared to under one hour from conventional oxygen resuscitators
- Over 70% more cost effective than conventional oxygen resuscitators

## OXI-dive 1

### Closed circuit Oxygen Resuscitation Kit

**Code: RS-0D-1**

The OXI-dive range of resuscitators is designed for use on dive boats. The resuscitator is packaged in a high impact chemical and water proof plastic case brightly colored for visibility.

The OXI-dive 1 is based on a closed circuit breathing system, so benefits from the special features of the closed circuit design (as explained for the OXI-saver™).

The key benefit in the context of dive boats is the low flow of oxygen, which will maximise the duration of the oxygen cylinder. This is a key consideration for boats far out from land.

#### Contains:

- Pelican case #1520, optional #1600 for full size C cylinders
- KDK85 Autovalve™: combined regulator and flowmeter (range 0.5-8L/min) with an 'Oxygen Flush' at all settings. Incorporates three self-sealing valves
- 8L/min oxygen flow restrictor and handwheel assembly
- 2m white oxygen tubing fitted with an oxygen handwheel at each end
- KAB™ carbon dioxide absorber. Disposable single patient use pre-filled with CO<sub>2</sub> absorber
- Universal twin hose, single patient use breathing circuit c/w 2L latex-free breathing bag and size 5 mask
- CPR-PRO™ resuscitation mask with oxygen inlet and 1-way valve. Single patient use
- Non-rebreathing therapy mask with safety vent, reservoir bag and oxygen tubing. Single patient use



- MTV-100 manually triggered ventilator c/w 1.2m white self-store oxygen hose and diameter indexed oxygen handwheel (optional)
  - Handicant decanting tool (optional)
  - KDK™ regulator to fit to a large supply cylinder (optional)
  - Operating manual
  - Size 3 disposable mask (optional)
  - OXI-Vac, Venturi suction device (optional)
  - Guedel airways, set of 4
- Does not include oxygen cylinder**

#### Features:

- Closed circuit breathing system
- Fittings for external oxygen supply
- Self seal outlets (2) for additional patients
- Guedel airways
- Can also be supplied with demand valve manually triggered ventilator (optional)

## OXI-dive 2

### Closed circuit Oxygen Resuscitation Kit

**Code: RS-0D-2**

The OXI-dive range of resuscitators is designed for use on dive boats. The resuscitator is packaged in a high impact chemical and water proof plastic case brightly colored for visibility.

#### Contains:

- Pelican case #1520
- KDK150 Autovalve™: combined regulator and flowmeter (range 0-15L/min) with an Oxygen Bypass ('Flush') at all settings. Two self-sealing valves are incorporated
- 8L/min nipple restrictor handwheel assembly
- 320 litre oxygen cylinder c/w cylinder valve with an integrated ON-OFF control knob
- Cylinder valve keywheel with chain (attached to the KDK150 Autovalve™)
- MTV-100 Manually Triggered Ventilator fitted with a 1.2m white self store oxygen hose and diameter indexed oxygen handwheel
- #3 & #5 Face Masks (single patient use)
- 2m white oxygen hose with an oxygen handwheel at each end
- Set of 3 airways
- Pocket mask which incorporates an oxygen inlet and one-way valve



- Non-rebreathing mask with a reservoir bag and oxygen tubing (single patient use)
- Handicant™ decanting tool (optional)
- Operating Manual

**Does not include oxygen cylinder**

#### Features:

- Closed circuit breathing system
- Variable flow rates 0-15 L/min
- Fittings for external oxygen supply
- Self-seal outlets (2) for additional patients
- Guedal airways
- Supplied with demand valve manually triggered ventilator

## OXI-dive 3

### Based on a demand valve manually triggered ventilator

**Code: RS-0D-3**

The OXI-dive 3 comes without oxygen cylinder and will need an outside oxygen source.

#### Contains:

- Pelican case #1400 with a foam lid insert and dividers
- LSP regulator/flowmeter with two high flow outlets and one barbed flow outlet for the adjustable flowmeter (0-25L/min)
- Optional KDK™150 (0-15L/min with Oxygen flush)
- Cylinder valve key wheel with chain
- PIBN Adapter (Pin-Indexed Bul-Nose Adapter)
- The MTV-100/Manually Triggered Ventilator c/w 1.2m white oxygen hose fitted with a hand wheel diameter indexed for oxygen



- 2 Silicon Face Masks (Reusable)
- Set of 3 airways
- CPR-PRO™ pocket size resuscitator with an oxygen inlet and one-way valve
- Non-rebreathing therapy mask with a reservoir bag and green oxygen tubing
- Operating Manual

## Flow meter 815 Regulator

**Code: BR-C100600-815**

The KDK™ OXI-flo Combined Regulator/Flowmeter is a high quality oxygen regulator using a fixed orifice system to produce the desired flow rates, with an Oxygen Flush at all flow settings

### Contains:

- Flow meter 815 regulator/flow meter assembly, flow rates 0, 8 and 15L/min and includes oxygen flush

### Special features:

- Oxygen flush at all flow settings (unique feature)
- Combined regulator/ flowmeter
- Self-cleaning high pressure cartridge
- High pressure chrome-plated brass components



### Benefits:

- If the reservoir bag deflates, the bag can be rapidly refilled without need to adjust the flow rate
- Compact design
- Accurately maintains constant pressure at all cylinder pressures
- High quality construction

## Flow meter 1500 Regulator

**Code: BR-C100600-1500**

### Contains:

Flow meter 1500 regulator/flow meter assembly, flow rates 0, 1, 2, 3, 4, 6, 8 and 15L/min and includes oxygen flush.

### Special features:

- Oxygen flush at all flow settings (unique feature)
- Combined regulator/ flowmeter
- Self-cleaning high pressure cartridge
- High pressure chrome-plated brass components

### Benefits:

- If the reservoir bag deflates, the bag can be rapidly refilled without need to adjust the flow rate
- Compact design
- Accurately maintains constant pressure at all cylinder pressures
- High quality construction



## KDK Regulator Pin Indexed/KDK Regulator Male Spigot

**Code: AR-7576-00**

### Contains:

- 1 x KDK regulator pin indexed/KDK regulator male spigot

### Features:

- P/N: AR-7576-00 Rear Entry
- P/N: AR-7576-02 Side Entry
- Rear or side entry
- Chrome plated brass



- Self-cleaning high pressure cartridge: accurately maintains reduced pressure at all cylinder pressures
- Minimal servicing required
- Orientations of contents gauge, entry position and self seal outlet to customer requirements

## Gentec Regulator

**Code: RA-7576-GTEC**

The 197M series Gentec oxygen regulator from Medical Developments International is a cost effective solution to upgrade your practice cylinder requirements. They are simple to use, reliable and compliant to Australian Standards.

### Contains:

- 1 x 197m oxygen regulator

### Features:

- Easy to read oxygen pressure gauge
- Constant delivery pressure: 400 kPa (fixed)
- Regulated flow rate: 80 L/min
- Outlet connection AS 2896 (SIS) sleeve index for oxygen



- Built in safety relief valve
- 3 year servicing intervals
- Weight: 900 g
- Compliant with AS3840.1
- Listed as a medical device on the ARTG
- 5 year limited warranty

## KDK85 Regulator Auto Valve with Flush

**Code: AV-756085A**

### Contains:

- 1 x KDK85 oxygen regulator

### Features:

- KDK85 Auto Valve 0.5-8L/min Brass .
- Other combinations of flowrates made to order
- Flow Rates: 0.5, 1, 2, 3, 4, 5, 6, 7, 8 with oxygen flush



## KAB Disposable (CO<sub>2</sub> absorber)

Nipple attachment

Pack of 1 or Pack of 5

**Code: AB-KAB-DNIP** (pack of 1)  
**AB-KAB-DNIP5** (pack of 5)

### Contains:

- 1 x KAB Disposable (CO<sub>2</sub> absorber) with nipple attachment

### Features:

- Disposable (single use only)
- Single use transparent, tough, efficient
- Absorption up to 4 hours
- Low resistance integrated breathing and APL (exhaust) valves
- Maintains inflation of breathing bag even at low flows
- Eliminates risk of cross infection from CO<sub>2</sub> absorbers



## KAB Disposable (CO<sub>2</sub> absorber)

Bar attachment

Pack of 1 or Pack of 5

**Code: AB-KAB-DBAR** (pack of 1)  
**AB-KAB-DBAR5** (pack of 5)

### Contains:

- 1 x KAB Disposable (CO<sub>2</sub> absorber) with bar attachment

### Features:

- Disposable (single use only)
- Single use transparent, tough, efficient
- Absorption up to 4 hours
- Low resistance integrated breathing and APL (exhaust) valves
- Maintains inflation of breathing bag even at low flows
- Eliminates risk of cross infection from CO<sub>2</sub> absorbers



## KAB Autoclavable (CO<sub>2</sub> absorber) Bar attachment

**Code: AB-KAB-HBAR**

### Contains:

- 1 x KAB Autoclavable (CO<sub>2</sub> absorber) with bar attachment

### Features:

- Reusable (autoclavable)
- Autoclavable, transparent, tough, efficient
- Absorption up to 4 hours
- Low resistance integrated breathing and APL (exhaust) valves
- Maintains inflation of breathing bag even at low flows
- Eliminates risk of cross infection from CO<sub>2</sub> Absorbers



## KAB Autoclavable (CO<sub>2</sub> absorber) Nipple attachment

**Code: AB-KAB-HNIP**

### Contains:

- 1 x KAB Autoclavable (CO<sub>2</sub> absorber) with nipple attachment

### Features:

- Reusable (autoclavable)
- Autoclavable, transparent, tough, efficient
- Absorption up to 4 hours
- Low resistance integrated breathing and APL (exhaust) valves
- Maintains inflation of breathing bag even at low flows
- Eliminates risk of cross infection from CO<sub>2</sub> Absorbers



## Universal 'F' Hose Assembly

Bar or nipple attachment

**Code: CI-KAB-BFH** (for use with KAB-DBAR)  
**CI-KAB-NFH** (for use with KAB-DNIP)

### Contains:

- 1 x KAB absorber with bar or nipple attachment

### Features:

- King Systems Universal 'F' Hose single use breathing circuit
- Patented Tube in Tube circle design
- KAB™ Carbon Dioxide Absorber
- Ventilator hose, 2L breathing bag, face mask
- 'Flex' Hose Assembly



## Tourniquet

**Code: T-BD-001**

### Contains:

- 1 x Tourniquet (latex free)

### Features:

- Seat-belt design for instant release
- Tough white polycarbonate clasp
- Slow and rapid release levers
- Latex free
- Also used as gentle restraint for limbs during transport, anaesthesia or resuscitation
- BDE: company name and/or logo to customer requirements



## Weetest

**Code: MS-WEETEST**

### Contains:

- 1 x Weetest

### Features:

- Oropharyngeal airway detection device



# Veterinary

Anaesthetic machines enable veterinarians to perform surgical procedures on large animals, small animals, equine or mixed animals. Anecdotal evidence suggests that almost every pet will need to be anaesthetised sometime during its life. For example, all pets that are spayed or neutered will require anaesthesia.

MDI has been supplying a comprehensive range of veterinary anaesthetic machines to veterinarians for over 30 years. These machines enable veterinarians to perform surgical procedures on their patients (of any size or species) with ease and convenience.

MDI's veterinary anaesthetic machines specialise in providing effective clinical solutions for the interface between gas outflow and the patient, and are available in a variety of configurations to suit most clinical requirements.

## Open Circuit systems:

- Easy to use
- Convenient means of administering anaesthesia
- Accurate concentration of inspired gases
- Minimal dead space and respiratory resistance
- Ideal for small animal patients

## Closed Circuit systems:

- Gases (oxygen and anaesthetic agent) are recirculated and reused by the patient
- Feature the KAB™ carbon dioxide absorber - easily removed or replaced between patients to prevent cross-infection
- Significant financial and time savings through lower operating costs
- Improved patient care
  - Maintains water vapour within breathing system
  - Minimises loss of patient body temperature
  - Cardiac output can be easily monitored
- Pollution control
- Can be used for both small and large animal patients

## In-circuit vaporisers:

- Simple
- Appropriate inspired concentrations can be achieved with low gas flows
- Inexpensive

## Out-of-circuit vaporisers:

- Accurate inspired concentrations can be selected
- Used with specific anaesthetic agents
- Provide consistent output over time, range of temperatures and range of gas flows

A range of accessories are also available to support your clinical requirements for veterinary anaesthesia, including:

- Breathing monitors
- Breathing circuits and tubing
- KAB™ carbon dioxide absorber
- Vaporiser filling systems
- Wall or trolley mounting options



## VOC Rota Flush

### Trolley model

The VOC Rota Flush Anaesthetic Machine is a conventional anaesthetic machine with an out of circuit vaporisor.

**Contains:**

- Trolley, cylinder support and BreathAlert

**Vaporisor not supplied**



## VOC Rota Flush

### Wall mount

The VOC Rota Flush Anaesthetic Machine is a conventional anaesthetic machine with an out of circuit vaporisor.

**Contains:**

- Supplied with BreathAlert

**Vaporisor not supplied**



## Animal Anaesthetic Machine (LANA)

### Large

**Features:**

- Interchangeable for large/small animals
- Incorporating clear carbon dioxide absorbent canister capacity 4.5kg.
- Can be filled and emptied in seconds: 180 rotating mechanism, wide bore hose-in-hose assembly with built in breathing valves.
- Incorporates a small animal anaesthetic machine with a separate KAB absorber as standard.



## Breath Alert™ Mark 4

### Contains:

- Alarms if breathing absent

### Features:

- 1 x breathing monitor
- Audible beep and light with each breath
- Continuously detects breathing during anaesthesia
- Large digital display
- Alarm system for breath is present; no breath and low battery
- Apnoea settings for 5, 10, 15, 20, 25 or 30 seconds
- Automatically sets to the last used apnoea time
- Alarm and Charging multifunction lights
- Volume and 'Sensitivity' controls
- Alarm reset optical sensor
- Preset apnoea time is counted up. If apnoea time is exceeded, alarm is activated
- Built-in automatic charging circuit – stops charging when battery is full
- Long battery life with four NiMH 1.2V/2500mAh AA cells



## Mini-kom

### Contains:

- Close circuit anaesthetic machine
- 2 VIC vaporisers to enable the choice of 2 of the 3 commonly used volatile agents (halothane, enflurane isoflurane or sevoflurane).

### Features:

- KDK31 Flowmeter™
- KAB™ CO<sub>2</sub> Absorber™
- Breath-Alert™ breathing monitor
- Easyfill™ filling system
- 100% oxygen technique with low resistance vaporisers
- Calibrated vaporisor bowls to measure dosage by volume
- Light weight and attractive with a powder coated white stainless steel base
- Trolley or wall mount for assembly
- Low running costs
- No pollution released into the operating theatre



### Optional features:

- Methoxyflurane vaporisor
- Venturi suction system
- Pulse-Alert™ pulse monitor

Trichloroethylene must NOT be used as it produces a toxic byproduct (phosgene) when it comes into contact with soda lime.

## Mini-kom V1

### Contains:

- 2 VIC vaporisers to enable the choice of 2 of the 3 commonly used volatile agents (halothane, enflurane isoflurane or sevoflurane).

### Features:

- KDK31 Autovalve™
- KAB™ CO<sub>2</sub> Absorber™
- Easyfill™ filling system
- Light weight and attractive with a powder coated white stainless steel base
- Trolley or wall mount for assembly
- Easy to access controls, can be viewed whilst operating
- The oxygen supply can be introduced directly from an oxygen cylinder situated on the machine or from an outside source entering the machine through the self-sealing oxygen valve at the side of the KDK31 Autovalve™



### Optional features:

- Methoxyflurane vaporisor
- Venturi suction system
- Breath-Alert™ breathing monitor
- Pulse-Aert™ pulse monitor

Trichloroethylene must NOT be used as it produces a toxic byproduct (phosgene) when it comes into contact with soda lime.

## Mini-kom V5

### Contains:

- 2 VIC vaporisers to enable the choice of 2 of the 3 commonly used volatile agents (halothane, enflurane isoflurane or sevoflurane).
- 1 x halothane, enflurane, isoflurane or sevoflurane VIC vaporisor

### Features:

- KDK31 Autovalve™
- KAB™ CO<sub>2</sub> Absorber™
- Easyfill™ filling system
- Light weight and attractive with a powder coated white stainless steel base
- Trolley or wall mount for assembly
- Easy to access controls, can be viewed whilst operating
- The oxygen supply can be introduced directly from an oxygen cylinder situated on the machine or from an outside source entering the machine through the self-sealing oxygen valve at the side of the KDK31 Autovalve™



### Optional features:

- Methoxyflurane vaporisor
- Venturi suction system
- Breath-Alert™ breathing monitor
- Pulse-Aert™ pulse monitor

Trichloroethylene must NOT be used as it produces a toxic byproduct (phosgene) when it comes into contact with soda lime.

## KAB Autoclavable (CO<sub>2</sub> absorber) Bar attachment

**Code: AB-KAB-HBAR**

### Contains:

- 1 x KAB Autoclavable (CO<sub>2</sub> absorber) with bar attachment

### Features:

- Reusable (autoclavable)
- Autoclavable, transparent, tough, efficient
- Absorption up to 4 hours
- Low resistance integrated breathing and APL (exhaust) valves
- Maintains inflation of breathing bag even at low flows
- Eliminates risk of cross infection from CO<sub>2</sub> Absorbers



## KAB Autoclavable (CO<sub>2</sub> absorber) Nipple attachment

**Code: AB-KAB-HNIP**

### Contains:

- 1 x KAB Autoclavable (CO<sub>2</sub> absorber) with nipple attachment

### Features:

- Reusable (autoclavable)
- Autoclavable, transparent, tough, efficient
- Absorption up to 4 hours
- Low resistance integrated breathing and APL (exhaust) valves
- Maintains inflation of breathing bag even at low flows
- Eliminates risk of cross infection from CO<sub>2</sub> Absorbers



### In Circuit Vaporisor



### Easyfill™ System



### KDK Flowmeter



# Defibrillators

Automated External Defibrillators (AEDs) are the only known device that stops chaotic electrical heart activity and allows the heart to re-establish itself to a normal rhythm.

AEDs are portable and designed to be used by virtually anyone to save a life.

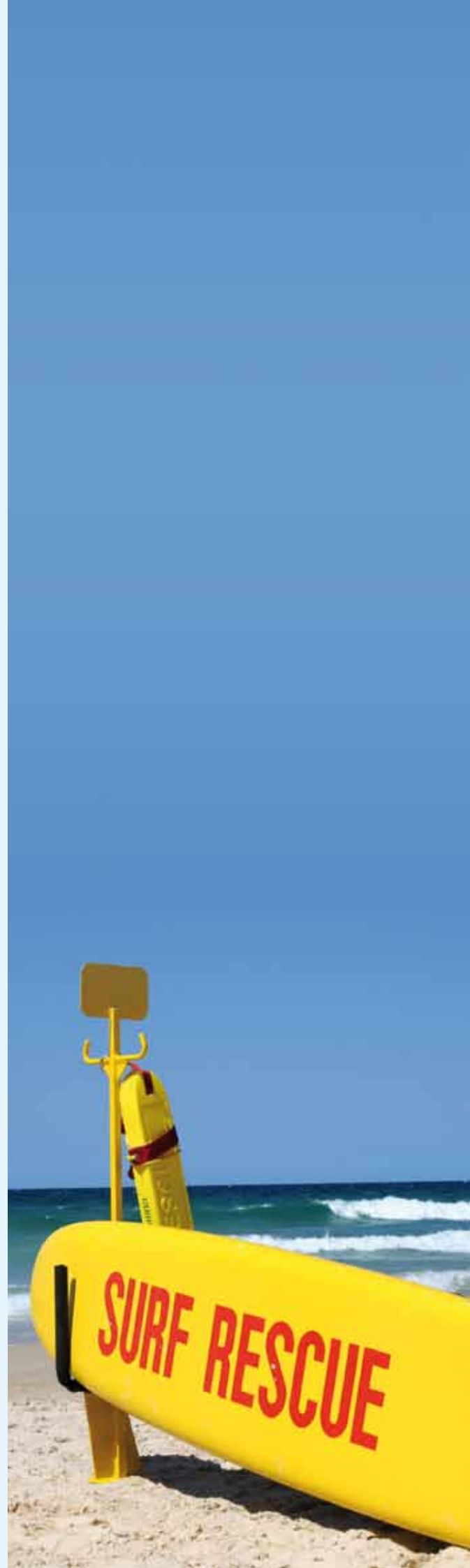
The step-by-step voice and visual instructions to guide a user through the entire defibrillation process as well as CPR. The voice prompts explain how to check for breathing and how to position electrode pads on the person's chest. Once the pads are in place, the AED automatically measures the person's heart rhythm, determines if a shock is necessary, and delivers a shock only if one is needed. AEDs will only recognize a shockable heart rhythm which prevents giving a shock to someone who may be unconscious, but isn't having Sudden Cardiac Arrest. The devices are failsafe and will not cause injury to the user if you follow the voice and visual instructions.

Although the use of AEDs is being taught in CPR courses, technological developments have minimised the need for training, while markedly reducing response time.

There are not enough AEDs, resulting in lost opportunities to save even more lives. Tragically, many Australians have never even seen an AED even though they walk past them daily in airports, sports stadiums and shopping centres, etc. They are commonly thought of as a piece of expensive medical equipment only used by doctors in a hospital or paramedics in the ambulance. In reality, the majority are needed in homes and public places, outside a hospital setting.

Defibrillation within 3 minutes increases the chance of survival soar from 5% to over 70%. Each minute is critical to determining survival and the extent of permanent damage to your brain and body. Local Ambulance typically can't respond within 3 minutes which is why AEDs should be made available in homes and public places including:

- Schools
- Universities
- Airports
- Churches / Community Centres
- Fitness Centres
- Public places
- Work places



## ZOLL AED Plus

**Code: RS-DEFIB-PLUS**

The ZOLL AED Plus® is the only Full-Rescue AED that supports both CPR and defibrillation. For infrequent rescuers, the AED Plus supports the complete chain of survival. The unique graphical user interface – pictures combined with text displays and voice prompts – helps the rescuer perform every important life-saving action every step of the way.

AED Plus features Real CPR Help®, a tool to help the rescuer achieve the correct rate and depth of chest compressions during CPR through visual and voice prompts. Feedback such as “Push Harder”, “Good Compressions” and an adaptive metronome to guide compression rate help accomplish quality compressions.

### Features:

- Support for the full Chain of Survival with easy to understand audio prompts and visual icons
- Real CPR Help for feedback on the rate and depth of compressions
- A one piece, easy to place electrode with a 5 year shelf life
- A rugged design that resists dust and water (IP55)
- Uses off the shelf lithium camera batteries with a 5 year shelf life



- ZOLL Rectilinear Biphasic™ Waveform (RBW)
- Intelligent pediatric capability with pedi padz®II Pediatric Electrodes
- Automatic self testing that assures the unit is constantly ready
- 5 year warranty
- ARC Guidelines 2006 compliant
- A total cost of ownership of \$0 over 5 years with no need to replace electrodes or batteries if the AED Plus is idle

## ZOLL AED Pro

**Code: RS-DEFIB-PRO**

Whether in hospital or in the field, the ZOLL AED Pro® is designed to perform in any environment. The AED Pro provides the ruggedness, portability, and advanced functionality that professional rescuers and services require from an AED.

Unique to ZOLL AEDs is a real-time feedback mechanism, known as Real CPR Help®, which allows rescuers to see and hear how well they are performing the rate and depth of chest compressions during CPR.

### Features:

- Rugged construction and exceptional durability with resistance to dust and water jets (IP 55 rating)
- The only AED in the industry to withstand a 1.5 m drop test
- Disposable or rechargeable battery options
- Available as semi-automatic with manual override for ALS professionals
- Built-in 7-hour memory or USB memory technology
- ECG monitoring with 3-lead cable and high-quality display
- Real CPR Help with instant feedback on the rate and depth of chest compressions during CPR through ZOLL's unique one-piece CPR-D padz® Electrode
- See-Thru CPR™ on the AED Pro allows advanced life support providers the ability to see the patient's underlying intrinsic rhythm without stopping CPR



- Intelligent pediatric capability with pedi padz®II Pediatric Electrodes
- Automatic self-testing to assure a constant state of readiness
- Unrivalled battery compatibility and options (long-life disposable or rechargeable) that meet your specific needs

## ZOLL E Series

**Code: RS-DEFIB-E**

Out of hospital environments place specific demands on medical equipment. That's why the ZOLL E Series® was designed especially for this use.

The E Series is built tough! So tough that it has attained an Ingress Protection rating of IP34, and has been shown, throughout emergency services all over the world, to be a reliable partner in the field. A range of roll cage options are also available to increase the ruggedness of your unit.

A tough unit doesn't mean a rough package. The E Series also provides state of the art tools including Real CPR Help® and See-Thru CPR™ to assist in providing optimal resuscitation efforts.

**Real CPR help provides feedback to the rescuer in one or more of the following forms:**

- CPR Compressions Indicator
- CPR Idle Time Display
- CPR Rate Metronome
- Voice Prompts
- Chest Compressions Bar Graph

See-Thru CPR enables the rescuer to see a close approximation of the patient's underlying ECG rhythm while performing CPR, providing minimal interruptions for your patient and allowing you to provide the highest standard of care.

The E series also has a colour tri-mode screen to accommodate different light conditions, combined with a 3 line trace to allow you see multiple parameters at one time. When every second counts, the E Series Cable Management System incorporated into both soft & hard case, provide maximum efficiency in the time to deployment.

You have the option to use the lighter and longer life Lithium Ion batteries for complete battery inventory management or conventional sealed Lead Acid batteries can be used.



Finally the E Series allows for easy 12 lead analysis and transmission. Both 12 lead traces & Vital Signs Trending can easily be sent via email or fax to improve the speed of treatment and outcomes for your patients

### Features:

- Clinically superior performance using the ZOLL's Rectilinear Biphasic™ Waveform, the only waveform to be labelled as clinically superior to monophasic by the FDA
- Universal Operating System, so that users of other ZOLL defibrillators will be familiar to the E Series' operation
- See-Thru CPR and Real CPR help to improve the quality of CPR delivered
- Tri-mode screen to accommodate all light conditions
- GE Marquette 12SL Adaptive Analysis & Vital Sign Trending transmission through email or fax
- ZOLL's 40ms External Transcutaneous Pacing
- Masimo SET SpO<sub>2</sub>
- Sun Tech Medical NIBP
- Respiration EtCO<sub>2</sub> capnography (Sidestream or Mainstream)



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