Medical Developments International Ltd (MDI) has been providing anaesthetic and equipment solutions to vets in Australia and internationally for over 40 years.

Demand for MDI veterinary products continues to grow. In line with the demand for quality and value in veterinary equipment we have developed a range of new products and services.

Much of the MDI product range is manufactured by our skilled laboratory team in Melbourne, in consultation with leading specialists and in many cases, to individual preference.

MDI products represent high quality, value for money and are backed by the ongoing support of a long established publicly listed company, providing peace of mind to all our customers.
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VOC Anaesthetic Machines

Code: AN-VOC-RFTR (Trolley)

The VOC is a continuous flow anaesthetic system that features:

- Rotaflush™ Flowmeter
- KAB™ CO₂ Absorber (Autoclavable)
- Breath-Alert™ Breathing Monitor
- Stainless Steel base with mounting slot for out-of-circuit vaporiser
- Washington T-Piece Circuit
- Universal ‘F’ Hose Breathing Circuit

*Not included: VOC Vaporiser*

Available in trolley, bench or desk mount with optional extras such as oxygen cylinder trolley support and out-of-circuit vaporiser.

The VOC machine can be manufactured to accommodate individual preferences.

Code: AN-VOC-RFBM (Bench Mount)

Code: AN-VOC-RFTCD (Compact Desk Mount)

Code: AN-VOC-RFWM (Wall Mount)

Only available if customer provides their own wall mount bracket.
Large and Small Animal Anaesthetic Machine (LANA)

The LANA is an interchangeable out-of-circuit set up for both large and small animals with a 180° rotation mechanism. It incorporates a clear carbon dioxide (CO₂) soda lime canister with a 4.2 kg capacity, which can be filled and emptied in seconds, and a separate KAB™ CO₂ Absorber to accommodate small animals.

**Features:**

- KDK™ 80 Flowmeter
- LANA™ 4.2kg Absorber
- KAB™ CO₂ Absorber (Autoclavable)
- LANA™ Breathing Monitor
- Respiratory Pressure Gauge
- Powder coated white steel base
- Universal ‘F’ Hose Breathing Circuit
- Trolley post: polished stainless steel, unique MDI swivel mechanism
- Trolley oxygen cylinder support

**Not included:**

VOC Vaporiser
Mini-Kom Anaesthetic Machines

Code: AN-7570 (Twin Vaporisers)

Mini-Kom is a small animal closed circuit anaesthetic machine that features low operational costs and minimal/absent pollution.

Available in single or double in-circuit vaporisers. Twin vaporisers (AN-7570) enable the choice of 2 of the 4 most commonly used volatile anaesthetic agents (Isoflurane, Enflurane, Sevoflurane or Halothane). A methoxyflurane vaporiser is also available.

Available in trolley or wall mount.

**Features:**
- KDK™ 31 Regulator Flowmeter
- KAB™ CO₂ Absorber (Autoclavable)
- Breath-Alert™ Breathing Monitor
- Easyfill™ Filling System
- 100% oxygen technique with low resistance vaporiser
- Pressure relief valve with manual override
- Calibrated vaporiser bowls that measure dosage by volume
- Lightweight with powder coated white steel base
- Washington T-Piece Circuit
- Universal ‘F’ Hose Breathing Circuit

**Optional Extras:**
- Oxygen cylinder support
- Venturi Suction System

Code: AN-MKV1 (Single Vaporiser)
MK5 is a small animal closed circuit anaesthetic machine that is lightweight and easy to carry into the field. It features low operational costs and minimal-absent pollution.

Available in single or double in-circuit vaporisers. Twin vaporisers (AN-7570-00) enable the choice of 2 of the 4 most commonly used volatile anaesthetic agents (Isoflurane, Enflurane, Sevoflurane or Halothane). A methoxyflurane vaporiser is also available.

**Features:**
- KDK™ 31 Autovalve Regulator Flowmeter
- KAB™ CO₂ Absorber (Autoclavable)
- Easyfill™ Filling System
- Venturi Suction System
- 100% oxygen technique with low resistance vaporiser
- Pressure relief valve with manual override
- Quick release cylinder clamp
- Calibrated vaporiser bowls that measure dosage by volume
- Lightweight and portable with powder coated white stainless base with stainless steel subplate
- Washington T-Piece Circuit
- Universal ‘F’ Hose Breathing Circuit
- Self Seal Outlet (1 included)

**Optional Extras:**
- Breath-Alert™ Breathing Monitor

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**MK5 Anaesthetic Machines**

**Code: AN-7570-V1S (Single Vaporiser)**

**Code: AN-7570-00 (Twin Vaporisers)**
KDK Regulator Pin Indexed (Side Entry)

The KDK™ Regulator is used to reduce the line pressure to 400kPa from oxygen cylinders. The Regulator has a self-cleaning, high pressure cartridge, which accurately maintains a reduced line pressure at varying oxygen cylinder pressures.

Also available upon request:
Code: AR-7576-10 KDK™ Regulator Male Spigot/Bull Nose

Features:
• Side Entry
• Delivers a precise and accurate usable low pressure of 400kPA
• Chrome Plated Brass
• Self-cleaning High Pressure Cartridge
• Orientations of Contents Gauge, Entry Position and Self Seal
• Oxygen Pressure Gauge

Optional Extras:
Code: CY-7580-35 Oxygen cylinder key wheel and chain
The MDI Breath-Alert™ respiration monitor is robust, reliable and simple to operate.

**Features:**
- Large Digital Display (2 digits)
- Audible beep and light with each breath
- Continuously detects breathing during anaesthesia
- Alarm system for no breath and low battery
- Apnoea settings for 5 to 30 seconds
- Automatically sets to the last used apnoea time
- Long battery life
- Incorporates:
  - Alarm and Charging multifunction lights
  - Pause button to reset apnoea time: screen flashes
    - Alarm is silenced but breathing beep continues
  - Select button to set required apnoea time
  - Mute button. Cancels the beep during breathing
    - Breath light and Alarm system remain active
  - 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

**Spare Parts Available:**
- Code: BM-SENSOR-00 Sensor Lead
- Code: BM-MK4-POWAU Power Pack (Australian)
KAB™ CO₂ Absorbers
Autoclavable and Disposable

Code: AB-KAB-HNIP Nipple attachment (Autoclavable)
Code: AB-KAB-HBAR Bar attachment (Autoclavable)
Code: AB-KAB-DNIP Nipple attachment (Disposable)
Code: AB-KAB-DBAR Bar attachment (Disposable)

The KAB™ Carbon Dioxide (CO₂) Absorber is a device designed to absorb CO₂ from a closed or semi-closed breathing circuit system via absorbent soda lime. CO₂ is absorbed in two cycles: during expiration as the expired gases are directed to the breathing bag and again during inspiration. Together with the minimal channelling, this provides greater efficiency of CO₂ absorption.
Features:
• Easy filling (disposable models with pre-filled soda lime)
• Shock resistant circular design
• Unique exhaust valve
• Absorption up to 4 hours
• Maintains inflation of breathing bag even at low flows
• Eliminates risk of cross contamination from CO₂ absorbers
• Asymmetrical divider and the fluted openings in the grates minimise ‘channeling’ to increase the efficiency of absorption
• Fresh gas inlet is present at rear (for KAB™ CO₂ Absorber with Nipple Attachment)

Included: KAB Elbow (Code: AB-KAB-ELB)

Available in both single use (Disposable KAB) and multiple use (Autoclavable KAB) models.
MDI Tourniquet

Code: T-BD-001 Blue
Code: T-BD-002 Pink

**Features:**
- Not made with natural rubber latex
- Seat belt design for instant release
- Tough white ABS plastic clasp
- Slow and rapid release levers
- Can be used as a gentle restraint for limbs during transport, anaesthetic or resuscitation

Resuscitators

Code: RS-7595-BVMDC Small
Code: RS-7595-BVMDA Large
MDI can supply breathing circuits, scavenge tubing, oxygen tubing and all connections.

**Including:**

- **A** - F-Hose including 2 L Rebreathing Bag
- **B** - Vaporiser Jar (in circuit)
- **C** - Soda Lime 1 kg (excluding decanter)
  * Decanter (Code AB-7590-18F)
- **D** - Oxy Hoseline 6 m
- **E** - Jackson Reece
- **F** - Smoothbore Hose 105 cm complete with end cuffs

**Codes:**

- Code: CI-FHOSE-BP
- Code: V-7595-07
- Code: AB-7590-18
- Code: H-7595-48-6M
- Code: CI-JREES
- Code: CI-7595-26
Animal Asthma Chamber

Code: CI-FM-S015 Feline/Canine Mask
Code: CI-FM-S025 Feline/Canine Mask
Code: CI-FM-S055 Equine Mask
Code: SP-SPAP-S Feline/Canine Chamber
Code: SP-SPAP-M Equine Chamber

Cross Valve Technology™:
• Very low resistance when inhaling medication
• Allows animals to easily breathe out through the chamber
• One way flow to prevent exhaled air going into the spacer

Transparent Chamber
Clear view of respiratory valves and their movement enables the confirmation of correct inhaler operation and usage

Universal Inhaler Base
Compatible with most types of pMDI (‘puffers’)

Unique Multipurpose Mouthpiece
22mm diameter can be used with international standard face masks

Also available in Antistatic Chamber
About MDI

Medical Developments International Ltd (MDI) designs, manufactures and distributes innovative healthcare products within Australia and internationally and is a leader in the fields of pain relief, respiratory products, emergency medical equipment and oxygen therapies for human and veterinary patients.

A Melbourne based publicly listed company accredited with ISO 13485 Quality Certification, MDI is committed to providing quality products, services and support to customers.

The MDI Pharmaceutical range includes a pre-hospital and emergency pain relief product called Penthrox® (the green whistle). Penthrox® is used in all Australian Ambulance Services, the Australian Defence Forces, Sports Medicine, Dentistry and for analgesia during short surgical procedures.

MDI was established over 40 years ago by Dr David Komesaroff MBBS, DA (Melb), FFARACS, FANZCA, who developed the original Komesaroff™ Anaesthetic Machine.

Since then, MDI has continued to develop a variety of product lines, including those which assist with the management of asthma, oxygen delivery equipment which complement the range of state of the art anaesthetic machines, carbon dioxide absorbers, breathing circuits and monitors.

The skilled MDI engineers and technicians can design and build your anaesthetic machine to meet your own individual needs and can provide personalised training to clinic staff.

We are pleased to bring a summary of our products to you and encourage you to contact us for the full range or visit our website at www.medicaldev.com.

If you would like to make an enquiry, please email sales@medicaldev.com.

Call MDI to receive more information on products and services or email sales@medicaldev.com to request our complete catalogue.