



**o\_two**<sup>TM</sup>

CORPORATE  
BROCHURE

MORE THAN **40** YEARS OF EXPERIENCE

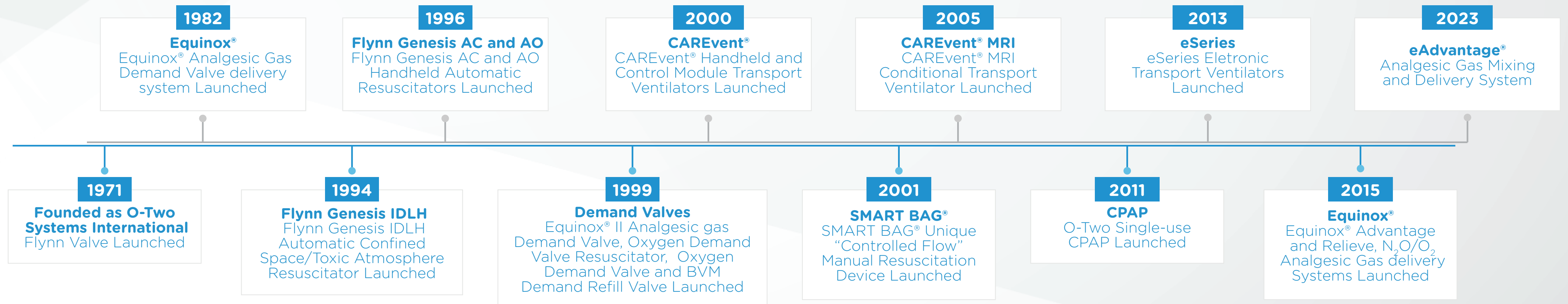
EXPORT TO OVER **60** COUNTRIES

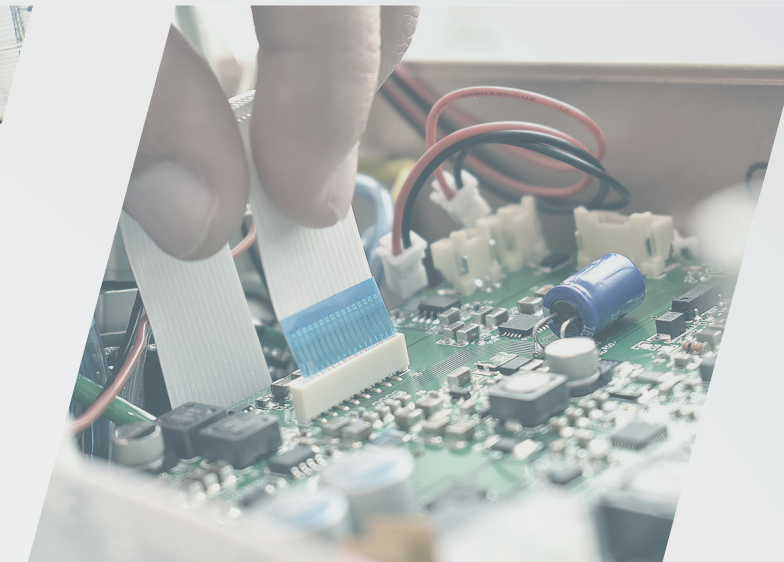
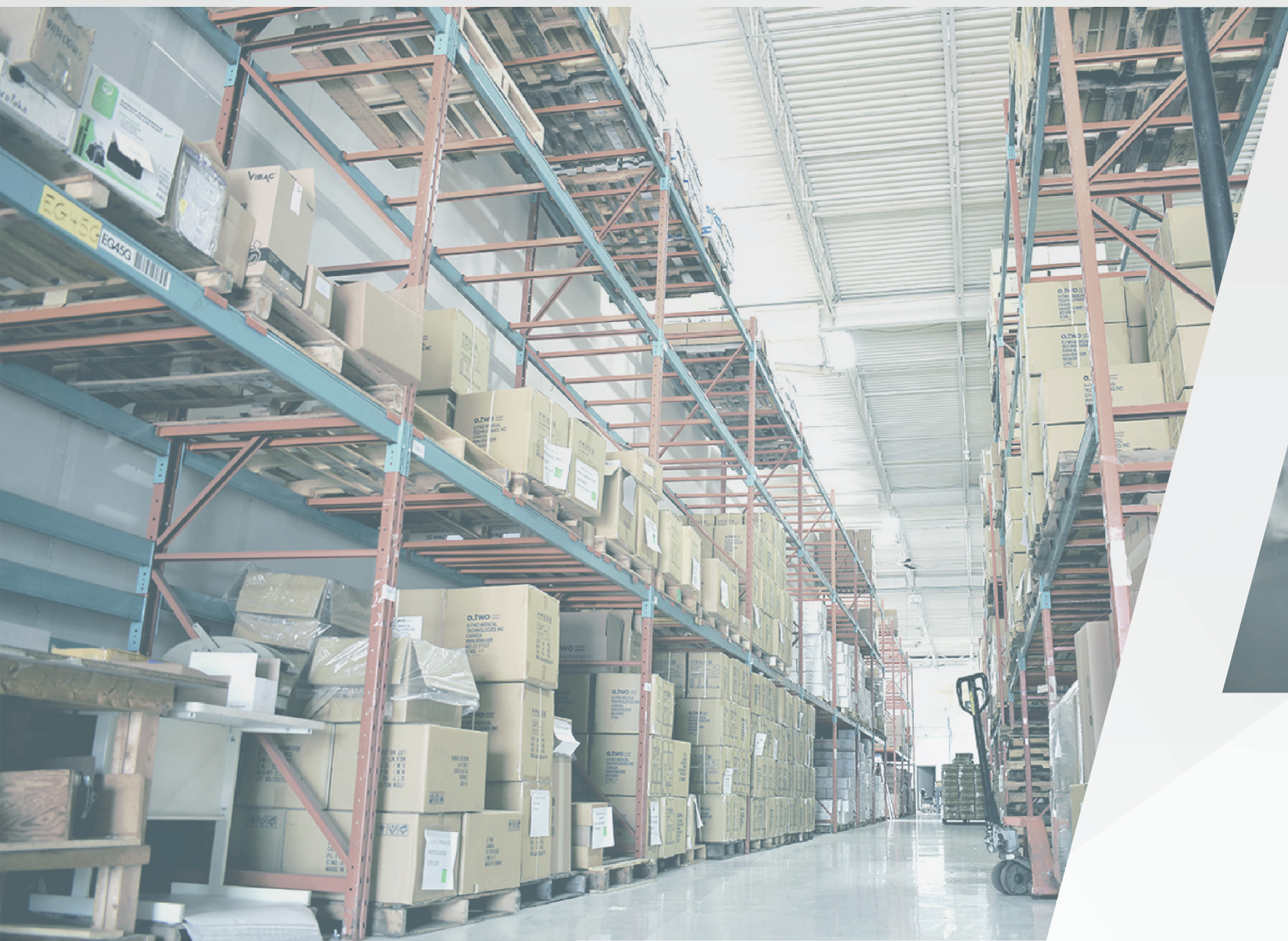
MORE THAN **40** WORLDWIDE PATENTS

## ABOUT US

Since 1971 O-Two Medical Technologies produces state-of-the-art products for Emergency Respiratory Care and Gas Inhalation Analgesia. Our innovative thinking, leading-edge engineering concepts and high-quality manufacturing capabilities combine to make us a valuable partner for the healthcare professionals and the patients they serve.

Exporting to over 60 countries and possessing more than 40 patents worldwide, we offer solutions in Automatic and Manual Ventilation, Gas Analgesia, Immediate Care, Oxygen Administration and Patient Monitoring.





## OUR CAPABILITIES

O-Two Medical Technologies provides advanced engineering, state-of-the-art design, prototyping and manufacturing capabilities. These are all encapsulated within a painstaking quality system to meet the required international manufacturing standards.

Our manufacturing and research-and-development facilities are registered to the ISO 13485 Quality system (MDSAP), and meet the medical device regulations of Health Canada (HC), European (CE) and US (FDA).



AUTOMATIC VENTILATION

MONITORING



MOUNTING & CARRYING SOLUTIONS



IMMEDIATE CARE



OXYGEN DEMAND VALVES & KITS



ANALGESIA



PRESSURE REGULATORS & OXYGEN ADMINISTRATION



**o\_two**<sup>TM</sup>

Our complete range of Ventilation, Emergency Respiratory Care products and Analgesic Gas Delivery Systems are divided into seven categories that cover the patient's needs both outside and within the hospital environment.

# AUTOMATIC VENTILATION

## AUTOMATIC ELECTRONIC VENTILATORS



eSeries e700



eSeries e500

## AUTOMATIC PNEUMATIC VENTILATORS



CAREvent®  
CA



CAREvent®  
ALS



CAREvent®  
ATV +



CAREvent®  
MRI

The O-Two eSeries Ventilator Range is a compact, practical and effective solution for resuscitation and patient transport. With a user-friendly interface and controls on all three models, the eSeries provide an easy to use concept that masks the level of complexity and sophistication these products offer. Always ready for immediate use and fully functional due to its continuous parameter monitoring and self-adjustments, the ventilators also warn the healthcare professional in case of any change in patient or device parameter by using multiple visual and audible alarms.

The CAREvent® range of handheld and control module style automatic transport resuscitators and ventilators are time/volume cycled, intermittent positive pressure ventilators with the added benefits of manual triggering and demand breathing. They provide a wide range of ventilation frequency and volume settings. Our CAREvent® MRI model is specifically designed for use within the MRI environment with a 3 Tesla rating.

# ANALGESIA

**EQUINOX®**

The Equinox® Range of Analgesic Gas Delivery Systems are rugged demand inhalation devices for the administration of N<sub>2</sub>O/O<sub>2</sub> gases, either utilizing a pre-mixed or separate gas supplies. They are specifically designed to provide pain management during childbirth, emergency situations and painful procedures. By delivering high flow rates at low triggering pressures they reduce the amount of effort required by the patient to maintain adequate analgesia.

The Equinox® II Demand Valve administers a pre-mixed 50/50 concentration of N<sub>2</sub>O/O<sub>2</sub> from a cylinder (Entonox® or Alnox®). It is a portable, patient demand driven, lightweight solution to alleviate the patient's pain. The Equinox® Relieve and Advantage mix gases from two independent sources to achieve the desired concentrations. While the Relieve offers a pre-set 50/50 mix of O<sub>2</sub> and N<sub>2</sub>O, the Advantage allows the adjustment of the gases concentrations over a range of 25% to 75% N<sub>2</sub>O or 100% O<sub>2</sub>.

Equinox® II



Equinox® Relieve



eAdvantage®



# IMMEDIATE CARE

## CPAP DEVICES

The O-Two single-use open CPAP delivery system provides accurate CPAP delivery with more comfort for the patient. The unique feature of the device is in its ability to titrate CPAP levels from 1 - 25 cmH<sub>2</sub>O over a flowrate range of only 3 - 25 L/min. This is a significantly lower gas consumption than other disposable devices.



■ Single-use Open CPAP Delivery System

# IMMEDIATE CARE

## SMART BAG® MO

The SMART BAG® MO provides controlled ventilation during manual resuscitation.

The unique SMART valve in the device responds to the rescuer's squeeze, limiting the excessive flow of gas into the patient's airway. It also responds to changes in the patient's compliance or resistance, alerting the rescuer of any airway problem that may occur. SMART BAG® MO virtually removes the risks associated with inadvertent hyperventilation, such as; gastric insufflation (in the mask-ventilated patient), reduced venous return to the heart and increased brain ischemia, which are all associated with conventional BVM ventilation.

Disposable  
Smart Bag® MO Adult



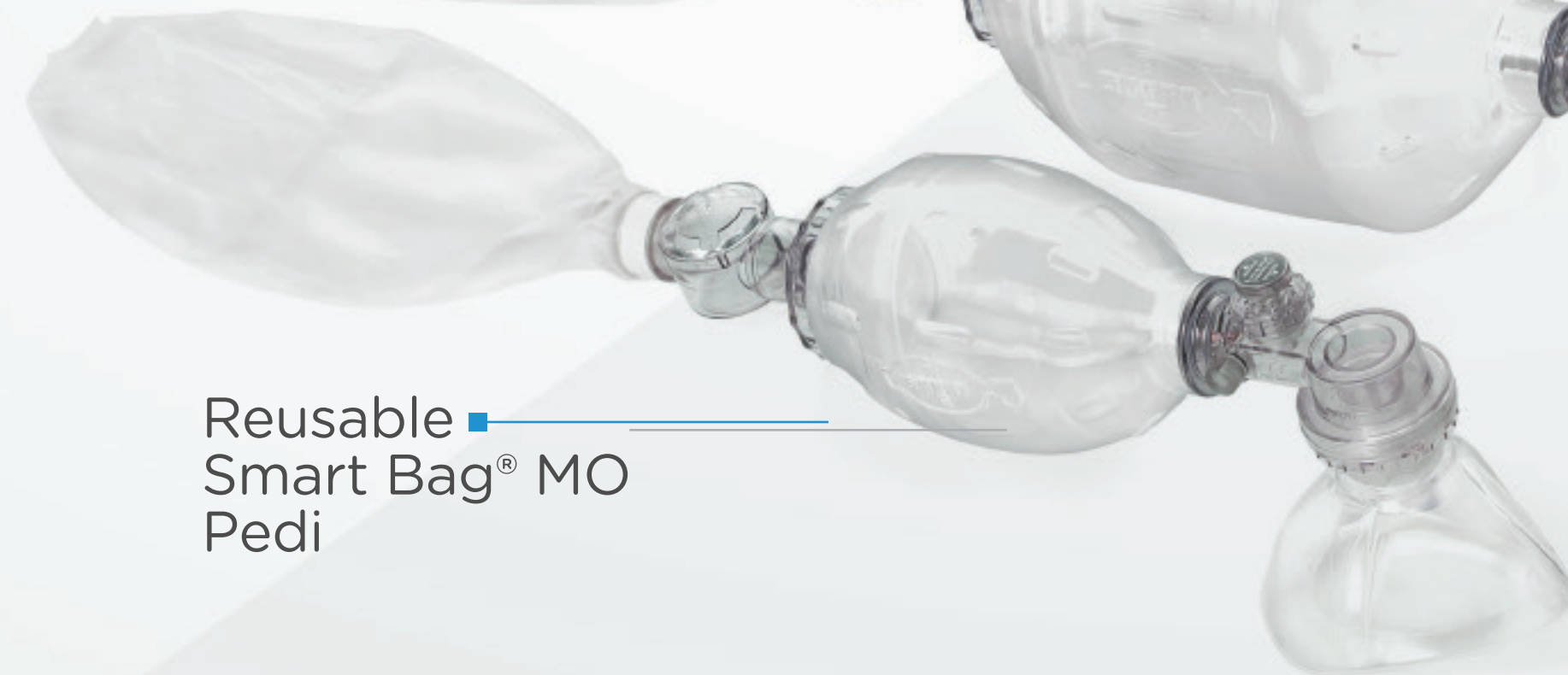
Disposable  
Smart Bag® MO Pedi



Reusable  
Smart Bag® MO  
Adult



Reusable  
Smart Bag® MO  
Pedi





# IMMEDIATE CARE

## VENTILATION TIMING LIGHTS

The use of our adult and pediatric Ventilation Timing Lights assists in complying with resuscitation guidelines by providing clear visual indications of when to squeeze and release the bag assuring the correct ventilation rate, I Time and E Time.



## VENTILATION TRAINING AIDS

The Mini Ventilation Training Analyzer has been developed to demonstrate the correct ventilation technique when using a Bag-Valve-Mask resuscitator and the complications of gastric insufflation associated with incorrect technique. The device responds to the Rescuer's squeeze and release of the BVM like a real patient.



# OXYGEN DEMAND VALVES

Our demand valve range is designed to provide spontaneously breathing patients with flow rates up to 140 L/min. These devices accommodate respiratory distress situations with minimal effort. The Oxygen Demand Valve provides 100% oxygen to the spontaneously breathing patient. The Demand Valve Resuscitator has the added benefits of manual ventilation button set at 40 L/min and a pressure relief system set at 60 cmH<sub>2</sub>O.



Oxygen Demand Valve

Demand Valve Resuscitator



Oxygen Therapy Kit



Demand Valve Resuscitator Kit



# PRESSURE REGULATOR & OXYGEN ADMINISTRATION



Flow Therapy Only Regulator



Pressure Only Regulator



Pressure and Flow Therapy Regulator

Oxygen Therapy Flow Controller



Multi Patient Unit



Statvac<sup>®</sup> II Aspirator

Cylinders



The O-Two Medical series of flow and pressure regulators and flow controllers provide unbeatable quality and performance, ensuring maximum operating time on any cylinder. The “All Brass Construction” Regulators improve product safety by reducing the risk of exacerbating a regulator fire should it occur. With their offset gauge and small diameter bodies, the regulators are slim and lightweight. All aluminum shell regulators have a solid brass core for safety.

Our therapy Flow Controllers provide high levels of therapy flow accuracy and the StatVac<sup>®</sup> II aspirator provides simple suctioning for emergency airway care.

# MONITORING



## FINGER PULSE OXIMETER

This small, compact, simple, reliable and durable Fingertip Pulse Oximeter greatly enhances patient care. With its 6 display modes and 10 brightness levels, the device is easy to read in any orientation and in any light condition. The graphic displays of SpO<sub>2</sub> waveform and heart rate bar graph plus the numeric displays of SpO<sub>2</sub> and heart rate provide the user with the information they require to assess the patient's condition. The low-voltage operation provides for a 30 hour operating time under normal conditions.

Designed to fit a wide range of patient sizes from pediatric to adult with minimal clamping pressure to maintain skin integrity and circulation, the Finger Tip Pulse Oximeter is an affordable adjunct for patient assessment and monitoring.

A grayscale photograph of two paramedics in a hospital setting. One paramedic is leaning over a patient in a gurney, while the other is kneeling beside them, possibly adjusting equipment. The scene is brightly lit, likely from a window in the background. The image is overlaid with a semi-transparent blue graphic in the bottom-left corner.

**o\_two** controlled<sup>™</sup>  
ventilation

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