

# A Revolution in Mobile Anesthesia

## MADM™

**MADM™** is the world's first inline direct injection anesthetic vaporiser. Connect it to any ventilator and instantly you can deliver gas anesthesia, *safely and accurately*, anywhere your mission takes you.

The *versatility and portability* of **MADM™** make it ideal not only in the controlled environments of operating rooms, intensive care units and medical clinics, but also for delivering gas anesthesia in more challenging environments such as field hospitals and forward-deployed surgical operations.

**MADM™** is very *economical* in its consumption of liquid anesthetic, and automatically adapts its operation to the type of ventilator it is connected to.

In a circle-circuit configuration, **MADM™** automatically reduces its vaporization rate to compensate for unused anesthetic returning from the patient, resulting in a substantial reduction in liquid anesthetic consumption.



**THORNHILL  
MEDICAL**  
INSPIRING INNOVATION

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# MADM™

## FEATURES

### Anesthetic Agents & Ranges:

Isoflurane: 0 - 3.5%

Sevoflurane: 0 - 5%

### Monitors:

Agent Selection / Anesthetic

Concentration Delivered / End Tidal

Anesthetic Concentration / RR /

PICO<sub>2</sub> / PETCO<sub>2</sub> / V<sub>E</sub> / MAC

CE 2797 FDA Cleared  Health Canada

## SPECIFICATIONS

**Weight:** 3 kg (7 lbs.) – includes power supply

**Dimensions:** 20 cm (8") L x 13 cm (5") W x 18 cm (7") H

**Temp-Operating:** 10 °C to 40 °C (50 °F to 104 °F)

**Temp-Storage:** -20 °C to 50 °C (-4 °F to 122 °F)

**Humidity:** 15% - 95% RH non-condensing

**Altitude:** 0 – 3.0 km (10,000 ft.)

**Power:** 100-240 VAC 50/60 Hz + internal battery safety backup + optional stand-alone hot-swap battery base power supply

**Compliance:** IEC 60601-1 IEC 60601-1-2

IEC 60601-1-8 ISO 80601-2-13

IEC 80601-2-55 ISO 5360



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