

# A REVOLUTION IN PORTABLE LIFE SUPPORT

## MOVES<sup>®</sup> SLC<sup>™</sup>

MOVES<sup>®</sup> SLC<sup>™</sup> is a revolutionary, completely integrated life support system, which combines an O<sub>2</sub> concentrator, a unique O<sub>2</sub>-conserving ventilator, suction, and complete vital signs monitoring into a single, compact, portable, battery-operated system.

Thornhill Medical's patented circle-circuit ventilator, in combination with the integrated O<sub>2</sub> concentrator, means MOVES<sup>®</sup> SLC<sup>™</sup> can effectively eliminate the need to carry heavy, bulky and dangerous high pressure O<sub>2</sub> cylinders.

How? A high FiO<sub>2</sub> can be maintained with low flow O<sub>2</sub>, as the patient rebreathes their exhaled O<sub>2</sub> through MOVES<sup>®</sup> SLC<sup>™</sup>'s innovative circle-circuit ventilator.

### MOVES<sup>®</sup> SLC<sup>™</sup>:

- Provides standard of care oxygen therapy for critically ill patients without high pressure O<sub>2</sub> cylinders.
- Simplifies patient care, as patient monitoring, ventilation, suction and oxygen concentration functions are controlled through a single device, with a single user interface, and powered by battery or a single external power source.
- Will operate in all transport platforms and provide the attending healthcare provider complete access to the patient.
- Reduces the weight and size of current portable systems by over 50%, making forward-deployed medical personnel more mobile and efficient, and ultimately improving patient outcomes in austere and challenging environments.
- Is approved for use with adult and pediatric patients.



Remote Control Display Module



**NO OXYGEN  
TANKS REQUIRED!**

# MOVES<sup>®</sup>SLC<sup>™</sup>

## FEATURES

### Physiological Monitoring:

FiO<sub>2</sub> / ETCO<sub>2</sub> (+Capnography) / ABP / CVP / ICP / NIBP / Masimo<sup>®</sup> SpO<sub>2</sub> (+Optional Masimo<sup>®</sup> Rainbow<sup>®</sup> SET Parameters) / 12 Lead ECG / Patient Temperature (x2); Patient data trends up to 24 hours

### Oxygen Concentrator:

FiO<sub>2</sub> up to 85% (independent of minute ventilation) for ventilated patients in cyclic mode; FiO<sub>2</sub> greater than 85% (independent of minute ventilation) for ventilated patients in continuous mode; up to 93% O<sub>2</sub> in concentrated breathing gas at 2.5 LPM for non-ventilated patients

### Ventilator:

IMV / SIMV / SIMV+PS / AC / PSV / APRV (Pressure or Volume Control)

### Suction:

100 - 325 mmHg

## SPECIFICATIONS

**Weight:** 17 kg (37 lbs.) excl. batteries/clamps

**Battery Weight:** 1.5 kg (3.3 lbs.) each

**Dimensions:** 84 cm (33") L x 14 cm (5.5") W x 25cm (10") H

**Body Material:** Aluminum

**Temp-Operating:** -26°C to 54°C (-15°F to 129°F)

**Temp-Storage:** -26°C to 54°C (-15°F to 129°F)

**Water Ingress:** IPX4

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

**Altitude:** 0-5.5 km (0-18,000 ft.)

**Vibration:** Tested to MIL-STD-810G and US Army Joint Enroute Care Equipment Test Standard (JECETS) for rotary-wing, fixed wing and jet aircraft as well as ground transportation vehicles.

**Power:** 100-240V AC 50/60Hz or battery power

**Battery:** Lithium polymer: Typical: up to 6 hrs. / set of 2. Minimum: 2.5 hrs / set of 2.

