

A Revolution in Portable Life Support

MOVES[®] SLC[™]

MOVES[®] SLC[™] is a revolutionary, completely integrated Intensive Care Unit (ICU), which combines an O₂ concentrator, a unique O₂-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 O₂ concentrator, means MOVES[®] SLC[™] can effectively eliminate the need to carry heavy, bulky and dangerous high pressure O₂ cylinders.

How? A high FiO₂ can be maintained with low flow O₂, as the patient rebreathes their exhaled O₂ through MOVES[®] SLC[™]'s innovative circle-circuit ventilator.

MOVES[®] SLC[™] :

- Provides standard of care oxygen therapy for critically ill patients without high pressure O₂ 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



MOVES[®] SLC[™]

FEATURES

Physiological Monitoring:

FiO₂ / ETCO₂ (+Capnography) / ABP / CVP / ICP / NIBP / Masimo[®] SpO₂ (+Optional Masimo[®] Rainbow[®] SET Parameters) / 12 Lead ECG / Patient Temperature (x2); Patient data trends up to 24 hours

Oxygen Concentrator:

FiO₂ up to 85% (independent of minute ventilation) for ventilated patients in cyclic mode; FiO₂ greater than 85% (independent of minute ventilation) for ventilated patients in continuous mode; up to 93% O₂ 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.

CE₂₇₉₇ FDA Cleared 



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