

## Product Specifications

- Integrated oxygen concentrator produces 10 litres per minute
- Concentrator delivers up to 95% O<sub>2</sub> depending on environment
- Accepts all standard paediatric and adult breathing systems
- Seamless transition to room air when compressed oxygen is unavailable
- Accurate, low resistance vaporizers work with and without compressed gas
- Built-in oxygen monitor displays O<sub>2</sub> concentration of inspired gas
- Automatic shut-off of nitrous oxide if hypoxic mixture is detected
- Official CE mark awarded by independent certifying agency



The Universal Anaesthesia Machine

## Physical And Electrical

- Compact, rugged design
- UAM Dimensions: 146cm x 53cm x 69cm; 130kg
- Ventilator Dimensions: 44cm x 28cm x 30cm; 18kg
- Aluminum frame with four heavy duty casters – front two lockable
- Mains power supply: 220V, 50-60Hz
- Removable stainless steel instrument tray
- Supplies drawer

## Oxygen Supply And Monitoring

- Integrated oxygen concentrator with dual filters
- O<sub>2</sub> flow rate: 0.1 to 10 LPM
- Maximum O<sub>2</sub> concentration: 95% depending upon environment
- Integrated inspiratory oxygen monitoring system
- O<sub>2</sub> monitor has ten hour battery backup, trickle charge from mains
- Connections for cylinder, pipeline and portable oxygen sources
- Glass flow rotameters accurate to +/- 2.5%
- Adjustable minimum and maximum O<sub>2</sub> alarms

## Ventilator

- Electrically-driven – needs no compressed oxygen or air to operate
- Six hour battery backup if mains power fails
- Large color touch screen
- Volume and pressure control modes
- Tidal Volume: 50 to 1000 ml
- Minute Volume: 1 to 10 litres per minute
- Pressure control: 10 to 30cmH<sub>2</sub>O
- I:E ratio: 1:1 to 1:3
- Rate: 5-30 breaths per minute
- Displays: Flow and pressure versus time and compliance loops
- Alarms: Volume, Pressure, Breathing Circuit Disconnect
- Manual backup bellows always available on UAM
- Accepts fixed and variable PEEP valves
- Supplies drawer and removable stainless steel instrument tray



## Optional Nitrous Oxide

- Differentiated flow control knob
- Automatic shut off if O<sub>2</sub> falls below 25%

## Vaporizers

- Separate units for isoflurane and halothane
- 120ml capacity

## Rear Panel Connections

- Mains isolator switch, 2 UK style power sockets
- Oxygen and nitrous cylinder and pipeline connections
- Multi-diameter external oxygen hose connector

## Vital Signs Monitor

- Pulse oximetry, ECG, blood pressure and temperature
- Six hour battery backup if mains power fails