

eVolution® 3e

Characteristics

- Comprehensive charts and trends
- Servo controlled for precise breath delivery
- Pediatric to Adult
- Invasive and Non-Invasive Ventilation
- Easy-to-use touch screen
- Optional: High-performance technology with internal gas source



High Pressure

Internal Turbine

eVolution® 3e

Ventilatory Modes

- Controlled Assisted Mandatory Ventilation (CMV)
- Synchronized Intermittent Mandatory Ventilation (SIMV)
- Spontaneous Ventilation (CPAP + PS, CPAP + VS, SPAP)

Additional Features

- Self-Control
- Apnea Support Ventilation
- SPAP Options: Time, Cycle + Time, Cycle + I:E
- Body Weight Calculator
- NIV On/Off in all modes
- Active Exhalation Valve
- Automatic Leak Compensation (up to 60 lpm)
- Imposed Respiratory Work
- Maneuvers: PO.1 and PiMax

Types of Respite

- Volume-Controlled (V-CMV; V-SIMV)
- Pressure-Controlled (P-CMV; P-SIMV, PS)
- Volume-Target Controlled Pressure • Two PEEP Levels (PRVC-CMV; PRVC-SIMV, VS) (SPAP)

Types of Sensitivity

- Pressure sensitivity • Flow sensitivity -0.5 to (- 20) cmH2 O
0.5 - 20 lpm

Additional Parameters

- Respiratory Rate • Tidal Volume 1 - 120 bpm
20 - 2000 ml
- PEEP / CPAP 0 - 50 cmH2 O
- Pcontrol 2 - 90 cmH2 O
- Psupport 0 - 90 cmH2 O
- Peak Flow (mandatory) 3 - 120 bpm
- Peak Flow (spontaneous) Up to 180 bpm
- I-Times 0.2 - 10.0 sec
- Oxygen Concentration • Ramp 21 - 100%
- Expiratory 1 - 20
- Sensitivity % (of spontaneous peak flow) 10 - 80%
- Base Flow (with leak compensation off)
 - NIV On 2.5 - 60 lpm
 - NIV Off 2.5 - 25 lpm
- Plateau (Insp Pause) 0 - 2.0 sec

Configurable Graphical User Interface (GUI) and Functions

- Tabbed navigation (Main, Parameters, Monitoring, Alarms, Configuration)
- Graphic Display (2-Loops and 3-Waveforms)
- Apnea Backup
 - User selects ventilation type and parameters
- Smart Nebulizer™
 - User runs nebulization by interval or time
 - Volume Compensation and FiO2
- Smart Sigh™
 - User-defines volume- or pressure- of sighs
 - User-defines frequency and multiplicity of sighs
 - + 0 - 50% of programmed volume or pressure
- Humidification Selection (HME, Humidifier, and None)

User-Initiated Functions

- Manual Inspirations • Silence Alarm
 - Inspiratory and respiratory pauses Expiratory
- 100% oxygen
- Standby Mode

Follow-ups / Data Sample

- Delivered O2 concentrations : 21 - 100%
- Trend Data (1-72 hrs.) (24 parameters)
- Monitored Data (32 monitored):

Essential	Advanced	Mechanics
- Ppico	- PF	- Cestat
- PEEP	- PFe	- Rinsp + Resp
- Pmedia	- FIO2	- Auto PEEP
- Vte & VTI	- H:L	- RSBI
- Vol Min Esp (Ve)	- Escape Freq	- Plateau
- Vol Min Esp (Ve Espont)	- Ti / Ttot	- RCe
- Vte Spont	- I:E	- WOBimp
- SPONT frequency	- Spont % 1h	- PO.1
- Respiratory Rate	- Spont % 8h	- PiMax
- You & You		- PO.1 / PiMax

Real-Time Graphics

- Flow Volume Loop
- Pressure Volume Loop
- Volume + time
- Flow + time
- Pressure + time

Prioritized Alarms (High, Medium and Low)

- Automatic alarm setup & 1000 event log

Communication Interfaces

- Ethernet and Call or nursing

Physical Data

- Power cable: 100 - 240 VAC (50/60Hz)
- Internal standard battery
- Battery Life> 120 min
- Pressurized oxygen supply, 2 to 6 Bar
- Screen: 12.1" LCD / Touch screen

Optional Configuration

- High-performance integrated mini-turbine technology*
- Low pressure FiO2 0.3 to 2 Bar*

Warranty

- Three years - Call for full details

Ordering Information

- Model EVL 100500-HP, High Pressure System
- Model EVL 100500-T, Integrated Mini-Turbine System

* only available on Model EVL 100500-T.

This product bears the CE mark and is approved by the FDA.
Specifications are subject to change.