Features

- Comprehensive graphics and trending
- High performance PSOL and active exhalation
- Servo controlled for precise breath delivery
- Pediatric through adult
- Invasive and noninvasive
- Easy to use touch screen user interface
Modes of Ventilation
- Assisted Control Mandatory Ventilation (CMV)
- Synchronized Intermittent Mandatory Ventilation (SIMV)
- Spontaneous Ventilation (CPAP + PS, CPAP + VS, SPAP)

Additional Features
- Auto Control
- Apnea Backup Ventilation
- SPAP Philosophy Options: Time, Cycle + Time, Cycle + i:E
- IBW Calculator
- NIV On/Off in all Modes
- Active Exhalation Valve
- Automatic Leak Compensation (up to 60 lpm)
- Work of Breathing Imposed
- Maneuvers: P.O.1 and PMax

Breath Types
- Volume-controlled (V-CMV, V-SIMV)
- Pressure-controlled (P-CMV, P-SIMV, PS)
- Volume Targeted Pressure-controlled (VrCV-CMV, PRVC-SIMV, VS)
- Dual Level PEEP (SPNP)
  - Equivalent to APRV & BiLevel

Breath Triggering
- Pressure triggering: -0.1 to (-20) cmH₂O
- Flow triggering: 0.1 – 25 lpm

Additional Settings
- Respiratory rate: 1 – 120 bpm
- Tidal volume: 20 – 3000 ml
- PEEP / CPAP: 0 – 50 cmH₂O
- Pcontrol: 1 – 100 cmH₂O
- Psupport: 0 – 100 cmH₂O
- Peak flow (mandatory): 1 – 120 lpm
- Peak flow (spontaneous): Up to 180 lpm
- Peak flow (Turbine Output): Up to 300 l/min
- I-Times: 0.2 – 10.0 sec
- Oxygen concentration: 21 – 100%
- Rise time settings: 1 – 20
- Exhalation sensitivity %: 1 – 80%
- (of spontaneous peak flow)
- Base Flow (with leak comp off): 2.5 – 25 lpm
- Plateau (insp pause): 0 – 2.0 sec
- PS Tmax: 0.5 – 5.0 sec

User Configurable Graphic User Interface (GUI) and Functions
- Multiple Easy View Tabs
  (Main, Settings, Monitoring, Alarms, Configuration)
- Graphics Display (2-Loops and 3-Waveforms)
- Apnea Back-up
- User-selected breath type and settings
- Smart Nebulizer™
- Smart Sigh™
- Humidification Selection (HME, Humidifier, and None)

Monitored / Displayed Data
- Delivered oxygen concentrations: 21 – 100%
- Trend Data (1-72 hrs.) (31 trend parameters)
- Monitoring Data (36 monitored parameters):
  - Basic: Respiratory Rate, PEEP, Pplateau, PEEP - dyn, Cdyn, Cstat, Cstat / kg, RI & Re, Rce, VT/kg
  - Mechanics: - Peak & Pmean, Exp Min Vol (Ve), Vte & Vth, - O₂, - Te & Ti, - FFi & PPe, - i:E, - Leak
  - Weaning: - Ve Spont, Vte Spont, P.0.1 & PMax, RSBI, Rate Spont, Ti / Ttot, Spont % 1h, Spont % 8h, P.0.1 / PMax, - WOB/Imp

Real Time Graphics
- Flow & Pressure Volume Loops
  - Flow + Time, Pressure + Time, Volume + Time

Prioritized Alarms (High, Medium and Low)
- Auto set alarm feature & 1000 Event log

Communication Interfaces
- Ethernet and Nurse call

Physical Data
- AC power: 100 – 240 VAC (47/63Hz)
- Standard internal battery (Lithium-Ion* & Lead Acid**)
- Battery backup > 120 min
- Gas supply pressure, 2 to 6 Bar
- Screen: LCD 12.1" / Touch Screen

Optional Remote Viewing System
- Clininet® Virtual Report™ Software

Optional High Performance Internal Gas Source Technology
- Integrated high performance turbine technology*
- Low Flow Q₂*, 0.3 to 2 Bar*

Ordering Information
- Model EVL100500-HP, High Pressure System
- Model EVL100500-T, Internal Turbine System
- Model EVL100500-HP-NF, High Pressure System without Exhalation Filter
- Model EVL100500-T-NF, Internal Turbine System without Exhalation Filter

* Only available on high pressure models.
** Only available on turbine models.
Specifications subject to change.