

## و تیلاتور پیشرفته EDP-TS Advance

قابل استفاده از نوزاد تا بزرگسال

## Operative Modes :

### Adult and Pediatric

- VCV - Volume control(assisted/controlled)
- PCV- Pressure Control(assisted/controlled)
- PSV- Pressure Support
- CPAP - Continuous Positive Airway Pressure
- SIMV(VCV)+PSV [with backup rate - non ]
- SIMV(PCV)+PSV [with backup rate - non ]
- PSV+VT Assured(VAPS)
- APRV - Airway Pressure Release Ventilation
- PRVC - Pressure Regulated Volume Control
- MMV+PSV-Mandatory Minute Ventilation
- NIV - Non-invasive Ventilation

### Neonates - INFANTS

- VCV - Volume control(assisted/controlled)
- PCV- Pressure Control(assisted/controlled)
- PSV- Pressure Support
- CPAP - Continuous Positive Airway Pressure
- SIMV(VCV)+PSV [with backup rate - non ]
- SIMV(PCV)+PSV [with backup rate - non ]
- APRV - Airway Pressure Release Ventilation [with backup rate - non ]
- PRVC - Pressure Regulated Volume Control
- TCPL -Time Cycled Pressure Limited(with Continuous flow)
- SIMV(TCPL)+PSV (With continuous flow) [with backup rate - non ]
- NCPAP: CPAP with Continuous flow(with leak compensation for NIV)

## Capnography :

- ETCO<sub>2</sub> : Partial Pressure at the end of expiration
- Peco<sub>2</sub>: Mean expired CO<sub>2</sub> partial pressure
- Vd/Vt: Ratio between the Serial dead space and the current volume
- V<sub>a</sub>: Alveolar volume of each breath
- V<sub>d</sub>: serial or anatomical Dead space volume of each breath
- V<sub>tco2</sub>: CO<sub>2</sub> expired volume per breath

- ✓ صفحه نمایش لمسی رنگی LCD 12.1 inch
- ✓ قابلیت تعریف Tidal Volume از 5 ml
- ✓ Invasive and Non-invasive Ventilation
- ✓ مجهز به Capnograph و نمایش شکل موج کاپنوگرافی
- ✓ قابلیت نمایش و ذخیره Loop & Curve تنفسی
- ✓ دارای Auto Emergency Mode
- ✓ قابلیت کارکرد بدون برق بیش از 3 ساعت
- ✓ قابلیت انتقال اطلاعات بر روی کامپیوتر مرکزی و تهیه گزارش
- ✓ قابلیت جبران سازی نشتی Leak Compensation
- ✓ قابلیت نمایش پارامتر های VE mandatory , VE spont, F spont, Tcexp, F/VT, Cdyn , WOBI , Cst, Ri, Re, Auto PEEP, Leak, %Leak, Ti/Ttotal
- ✓ دارای مد پیشرفته NCPAP
- ✓ دارای نبولایزر دارو



اولین تولید کننده و تیلتاتور  
در ایران

### محدوده پارمترهای قابل تعریف

- Tidal Volume: 5 -2500 ml
- Pressure Control (PCV): 2-100 cm H2O
- Pressure Support (PSV): 0-100 cm H2O
- Programmable Minute Volume(MMV+PSV) : 1.0 - 50 L/min
- Resulting Minute Volume :0.01-130 L/min
- Respiratory Rate: 1-150 bpm
- Continuous Flow (NEO-INF): 2 - 40 (L/min)
- Limited Pressure in TCPL (NEO-INF) : 3-70 cmH2O
- Maximum pressure Limited (safety limits):up to 120 cmH2O
- Inspiratory Time : 1-3s (30s in APRV)
- PEEP/CPAP: 0 to 50 cm H2O
- Inspiratory Flow: 0.2 - 180 (L/min)
- I:E Ratio: Volume mode: 1:1 – 1:20; Pressure Control: 5:1 – 1:20
- Expiratory Sensitivity: 5% to 80% of peak flow
- Sigh (VCV only): Number, Events per hour, Volume, and Max. Pressure.
- Inspiratory Sensitivity:(below PEEP)
  - Flow Triggered : 0.2-15L/min
  - Pressure Triggered:0.5-20cmH2O
- Pause insp/Exp (vcv only) : 0 to 2 seconds with 0.25 s increments.
- Nebulizer



### آنالیز پیشرفته تنفس

- AUTO PEEP
- Static and Dynamic Compliance
- Inspiratory and Expiratory Resistance
- Slow Vital Capacity : Actual / Best (non - forced)
- Maximum inspiratory pressure (Pi max)
- Imposed work of Breathing(WOBi)
- Rapid Shallow breathing index(F/VT index)
- Trapped volume:Tidal volume/Total volume/Trapped
- Occluded inspiratory effort during 100ms(P 0.1)
- Inflexion Points Of The P/V Curve (P/Vflex)
- Physiological Vd/Vt Calculation
- Physiological Dead Space
- Expiratory time constant(TCexp)

### پارامترهای بازدمی

- Air way Pressure : Peak, Plateau, Mean, PEEP
- I : E Ratio Current
- Expired Tidal volume
- O2 Percentage
- Compensation : compensation of 10%-100% for 4-12mm
- Volume correction according to patient circuit compliance
- Leak compensation available in all operative's modes
- Endotracheal or tracheotomy tube
- Body temperature volume correction(BTPS)
- Altitude compensation for volume correction
- Tidal Volume Setting based on Ideal Body Weight(IBW)
- Inspiratory time (Ti) and Expiratory time (Te)
- Rate : Total rate expressed in breaths per minute
- Expired Minute Volume

### امکانات ویژه

