

# Critical Care Ventilator

## R50

### Features

- Application: infant and adult
- 12" TFT color screen with touch screen
- Ventilation modes: VCV, PCV, SIMV-VC + PSV, SIMV-PC + PSV, SPONT/CPAP + PSV, DuoPhasic/APRV + PSV, Backup, Manual inspiration
- Lung mechanics parameters and loops
- Inspiratory hold with static compliance measurement
- Expiratory hold with PEEPi measurement
- 100% O<sub>2</sub> suction, 2min
- Easily removable and sterilizable exhalation valve & flow sensor module
- Built-in: Active expiratory PEEP valve, O<sub>2</sub> & Air mixture device, Synchronized nebulizer, Battery

### Ventilation Setting Parameters

- Tidal volume: 20-2500 ml
- Respiratory frequency: 1-120 bpm
- Inspiration time: 0.1-12s
- Inspiratory pause ratio: 0~50%
- FiO<sub>2</sub>: 21%~100%
- PEEP/ CPAP: 0-50 cmH<sub>2</sub>O
- P<sub>supp</sub>, P<sub>insp</sub>, P<sub>sense</sub>, F<sub>sense</sub>, P<sub>high</sub>, P<sub>low</sub>, T<sub>high</sub>

### Measurement

- Pressure values: P<sub>peak</sub>, P<sub>plat</sub>, P<sub>mean</sub>, P<sub>min</sub>, PEEP
- Volume/Flow values: VT<sub>1</sub>, VT<sub>E</sub>, MV, MV<sub>spont</sub>
- ftotal, fspn, RSBI, Rinsp, Cstatic, Cdyn FiO<sub>2</sub>
- Loops: Pressure - Volume, Volume - Flow
- Optional etCO<sub>2</sub>

### Alarms

MV, P<sub>aw</sub>, VT<sub>E</sub>, Rate, FiO<sub>2</sub>, Mains failure, Battery, Air supply failure, O<sub>2</sub> supply failure, Apnea, Circuit occlusion, etCO<sub>2</sub>

