



KIRAN **LifeVent 100** **ICU Ventilator**

- Adult / Pediatric Ventilator
- Inbuilt Bellow Air Compressor
- Invasive & Non-Invasive
- Various Ventilation Modes
- Touch panel display with Graphs & Multi Parameter Monitoring
- Battery Backup 2 hours
- Independent (Proprietary) FiO2 controlled
- Electronically Controlled Automatic PEEP
- Built in Oxygen Blender
- Back Up Ventilation

Technical Specifications

Modes of Ventilation

1. Volume Control
2. Volume Assist Control
3. Volume SIMV
4. Pressure Control
5. Pressure Assist Control
6. Pressure SIMV
7. PRVC
8. PSV

Volume Control / Assist Control Mode

- Tidal Volume: 50-600 ml
- Respiratory Rate (RR): 6-60 BPM
- Inspiratory Time: 0.3 sec -5 sec
- Electronically Controlled PEEP: 0-30 cm H₂O
- Pressure Trigger: -1 to -20 cm H₂O
- FiO₂: 21-100% Automatic Blending
- Inspiratory Pause: 0 to 2 Sec

Pressure Control / Assist Control mode

- PIP: 5-60 cmh 20
- Respiratory Rate (RR): 6-60 BPM
- Inspiratory Time: 0.3 sec -5 sec
- Electronically Controlled PEEP: 0-30 cm H₂O
- Pressure Trigger: -1 to -20 cm H₂O
- FiO₂: 21-100% Automatic Blending
- Rise Time: Slow, Medium, Fast

Volume SIMV Mode

- Tidal Volume: 50-600 ml
- Respiratory Rate (RR): 6-60 BPM
- Inspiratory Time: 0.3 sec -5 sec
- Electronically Controlled PEEP: 0-30 cm H₂O
- Pressure Trigger: -1 to -20 cm H₂O
- FiO₂: 21-100% Automatic Blending
- Pressure Support : 5-40 cm H₂O
- Rise Time: Slow, Medium, Fast

Pressure SIMV Mode

- PIP: 5-60 cm H₂O
- Respiratory Rate (RR): 6-60 BPM
- Inspiratory Time: 0.3 sec -5 sec
- Electronically Controlled PEEP: 0-30 cm H₂O
- Pressure Trigger: -1 to -20 cm H₂O
- FiO₂: 21-100% Automatic Blending
- Pressure Support : 5-40 cm H₂O
- Rise Time: Slow, Medium, Fast

PRVC Mode

- Tidal Volume: 50-600 ml
- Respiratory Rate (RR): 6-60 BPM
- Inspiratory Time: 0.3 sec -5 sec
- Electronically Controlled PEEP: 0-30 cm H₂O
- Pressure Trigger: -1 to -20 cm H₂O
- FiO₂: 21-100% Automatic Blending
- Pressure Limit: 5-80 cm H₂O
- Rise Time: Slow, Medium, Fast

Pressure Support Mode

- Electronically Controlled PEEP: 0-30 cm H₂O
- Pressure Trigger: -1 to -20 cm H₂O
- FiO₂: 21-100% Automatic Blending
- Pressure Support : 5-40 cm H₂O
- PS Tmax: 0.5-5 Sec
- Rise Time: Slow, Medium, Fast
- NIV: ON/OFF

Monitored Parameters

- Inhaled Tidal Volume
- Exhaled Tidal Volume
- Exhaled Minute Volume
- Spont Minute Volume
- Respiratory Rate
- Lung Mechanics
- FiO₂
- Ppeak
- Pplateau
- Pmean
- Peak Flow Inspiratory
- Respiratory Phase
- Respiratory Type
- I:E
- Leak %

Alarms

- High Pressure
- Low Pressure
- High MV / Low MV
- Battery/Power Alarms
- High RR
- Apnea Alarm
- High PEEP
- Low Tidal Volume
- Patient Disconnection

*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation,

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