



# **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 H<sub>2</sub>O
- Pressure Trigger: -1 to -20 cm H<sub>2</sub>O
- FiO<sub>2</sub>: 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 H<sub>2</sub>O
- Pressure Trigger: -1 to -20 cm H<sub>2</sub>O
- FiO<sub>2</sub>: 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 H<sub>2</sub>O
- Pressure Trigger: -1 to -20 cm H<sub>2</sub>O
- FiO<sub>2</sub>: 21-100% Automatic Blending
- Pressure Support : 5-40 cm H<sub>2</sub>O
- Rise Time: Slow, Medium, Fast

## Pressure SIMV Mode

- PIP: 5-60 cm H<sub>2</sub>O
- Respiratory Rate (RR): 6-60 BPM
- Inspiratory Time: 0.3 sec -5 sec
- Electronically Controlled PEEP: 0-30 cm H<sub>2</sub>O
- Pressure Trigger: -1 to -20 cm H<sub>2</sub>O
- FiO<sub>2</sub>: 21-100% Automatic Blending
- Pressure Support : 5-40 cm H<sub>2</sub>O
- 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 H<sub>2</sub>O
- Pressure Trigger: -1 to -20 cm H<sub>2</sub>O
- FiO<sub>2</sub>: 21-100% Automatic Blending
- Pressure Limit: 5-80 cm H<sub>2</sub>O
- Rise Time: Slow, Medium, Fast

## Pressure Support Mode

- Electronically Controlled PEEP: 0-30 cm H<sub>2</sub>O
- Pressure Trigger: -1 to -20 cm H<sub>2</sub>O
- FiO<sub>2</sub>: 21-100% Automatic Blending
- Pressure Support : 5-40 cm H<sub>2</sub>O
- PS Tmax: 0.5-5 Sec
- Rise Time: Slow, Medium, Fast
- NIV: ON/OFF

## Monitored Parameters

- |                         |                         |
|-------------------------|-------------------------|
| • Inhaled Tidal Volume  | • Pplateau              |
| • Exhaled Tidal Volume  | • Pmean                 |
| • Exhaled Minute Volume | • Peak Flow Inspiratory |
| • Spont Minute Volume   | • Respiratory Phase     |
| • Respiratory Rate      | • Respiratory Type      |
| • Lung Mechanics        | • I:E                   |
| • FiO <sub>2</sub>      | • Leak %                |
| • Ppeak                 |                         |

## Alarms

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

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

# KIRAN

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