



Neonatal ventilator for effective breath management with enhanced safety features and expanded monitoring. The device offers direct access to all ventilation controls along with other frequently used functions such as Inspiratory & Expiratory Hold, 3 minute O<sub>2</sub>, Pre-Silence Alarm and Preset Vent Settings. Ventilator-set bias flow flushes exhaled CO<sub>2</sub> and stabilizes temperature, humidity and baseline pressure in the patient breathing circuit. Slope/Rise Adjustment, Expiratory (Cycling-off) Threshold and automatic leak compensation.

## Features

- Dual Control Breath Management.
- Preset Vent Setting for mode, Breath type and settings can be preset without affecting current ventilator operation.
- Circuit Compliance Compensation (calculate and enable breathing circuit compliance of flow/volume delivery), Altitude Compensation, Violation Message Log.
- Non-invasive Ventilation, Compatible with mask ventilatio for continuous or short term use.
- O<sub>2</sub> Calibration
- Pre-Silence Alarm, suspends ventilation while delivering continuous flow after a planned disconnect.
- Events History Log



# Specifications

## General

100% O<sub>2</sub> Delivers 100% oxygen for 3 min  
 Exp. Hold: 20 seconds max  
 Manual Inflation: 5 seconds max  
 Bias Flow: 3 L/min  
 FIO<sub>2</sub> (oxygen Concentration) 21 to 1.00  
 P-Pressure Trigger: 0 to -5 cmH<sub>2</sub>O/mbar  
 I:E Ratio max. inverse 4:1  
 Expiratory Threshold 5-50% (P<sub>support</sub> and VTP<sub>support</sub>)

## Controls

### Modes (In Each Breath Type)

Assist/Control Mandatory Ventilation (A/CMV)  
 Synchronized Intermittent Mandatory Ventilation (SIMV)  
 Spontaneous (SPONT)

### Pressure Support (P<sub>support</sub>)

Pediatric/Infant: 0 to 50 cmH<sub>2</sub>O/mbar  
 Adult: 0 to 60 cmH<sub>2</sub>O/mbar

### VT (Tidal Volume) (BTPS Compensated)

Pediatric/Infant: 20 to 1000mL  
 Adult: 100 to 3000mL

### f(Frequency/Rate)

Pediatric/Infant: 1 to 120 b/min  
 Adult: 1 to 80 b/min

### Inspiratory Flow

Pediatric/Infant: 1 to 100 L/min  
 Adult: 1 to 180 L/min

### Plimit (Pressure Limit) (PC, VTPC & VTP<sub>support</sub>)

Pediatric/Infant: 0 to 70 cmH<sub>2</sub>O/mbar  
 Adult: 0 to 80 cmH<sub>2</sub>O/mbar

### Inspiratory Time

Pediatric/Infant: 0.1 to 3.0 sec  
 Adult: 0.1 to 5.0 sec

### Leak Compensation

Pediatric/Infant: 8 L/min max  
 Adult: 15L/min max

