



Configuration Overview

VOCSN is a critical care Multi-Function Ventilator. VOCSN can be customized through both software and hardware to meet patient needs. The comparison chart below shows all of the hardware configurations available. Full technical specifications are available at: VentecLife.com/techspecs

Every VOCSN configuration includes:

- High Flow therapy*
- Critical care ventilator
- Invasive and non-invasive ventilation
- Pediatric and adult use (5 kg and up)
- Hospital to home
- Low-pressure external oxygen
- Up to 9 hours of on-board battery

	V+O+C+S+N+Pro	V+O+C+S+N	V+C+S+N+Pro	V+C+Pro	V+C	V+Pro
V Ventilation	✓	✓	✓	✓	✓	✓
+O Internal O2 Concentrator	✓	✓	✗	✗	✗	✗
+C Cough	✓	✓	✓	✓	✓	✗
+S Suction	✓	✓	✓	✗	✗	✗
+N Nebulizer	✓	✓	✓	✗	✗	✗
+Pro High-Pressure External Oxygen, FiO2 Delivery and Monitor	✓	✗	✓	✓	✗	✓
High Flow* up to 60 L/min	✓	✓	✓	✓	✓	✓
Low-Pressure Oxygen	✓	✓	✓	✓	✓	✓
Weight	18.3 lbs (8.3 kg)	18.1 lbs (8.3 kg)	17.8 lbs (8.1 kg)	14 lbs (6.4 kg)	12.5 lbs (5.7 kg)	14 lbs (6.4 kg)
FDA 510(k)	Cleared	Cleared	Cleared	Cleared	Cleared	Cleared

* Available on devices with software version 4.06R and newer with Leak+ capability.

Ventilation Technical Specification Overview. Visit VentecLife.com/techspecs for Multi-Therapy Specifications

Controls

9 Modes of Ventilation

- Spontaneous
- Bi-Level (with functionality similar to S/T, Timed, and BiPAP ventilation)
- Assist/Control-Pressure
- Assist/Control-Volume
- SIMV-Pressure (including CPAP)
- SIMV-Volume
- Vol. Targeted-PS (with functionality similar to AVAPS and iVAPS)
- Vol. Targeted-PC (with functionality similar to PRVC)
- Vol. Targeted-SIMV (with functionality similar to SIMV+PRVC)

Apnea Rate

- 4 to 60 BPM

Breath Rate

- 0 to 60 BPM

Circuit Compensation

- Automatic circuit compensation

Customizable Ventilation Therapy Presets

- 3 presets, each with customizable names and settings

EPAP/PEEP

- Active circuit: 0 to 25 cmH2O
- Passive circuit: 4 to 25 cmH2O

FiO2

- 21 to 100%

Flow

- 15 to 60 L/min when the Patient Type control is set to Adult
- 4 to 25 L/min when the Patient Type control is set to Pediatric

Flow Cycle

- 10 to 90%

Flow Trigger

- Active or Passive Circuit: 0.5 to 9.0 L/min
- Mouthpiece circuit: 0.5 to 3.0 L/min (breaths triggered by patient effort or by placing your mouth on the mouthpiece)

High Flow

- On, Off

Inspiratory Hold

- Reports Plateau Pressure, Static Compliance, and Pressure Waveform
- 6 seconds maximum

Inspiratory Positive Airway Pressure (IPAP)

- 4 to 40 cmH2O above ambient

Inspiratory Time

- 0.3 to 5.0 seconds

Leak Compensation

- On/Off
- Automatic Leak+ compensation up to 175 L/min at 20 cmH2O

Pres. Adj. Rate

- Slow, Fast

Pres. Minimum

- 1 to [40-PEEP] cmH2O

Pressure Control

- 1 to 50 cmH2O above PEEP (PEEP compensated)

Pressure Control Flow Termination

- On/Off

Pressure Support

- 0 to 40 cmH2O above PEEP (PEEP compensated)

Rise Time

- 1 (100 ms) to 6 (600 ms) to target 67% of set pressure

Sigh

- On/Off
- 150% of the prescribed volume is delivered once every 100 breaths

Tidal Volume

- 50 to 1500 mL

Time Cycle

- 0.3 to 3.0 seconds

Monitors

Airway Pressure Manometer

- 0 to 80 cmH2O

Breath Rate

- 0 to 100 BPM

Calculated FiO2

- 21 to 100%
- The calculated FiO2 monitor calculates the delivered FiO2 during pulse dose oxygen

Exhaled Tidal Volume

- 0 to 2000 mL

FiO2 Monitor

- 15 to 95%, >95%

Graphic Waveforms

- Pressure (-16 to 80 cmH2O)
- Flow (\pm 120 L/min)
- Volume (0 to 2000 mL)

I:E Ratio

- 9.9:1 to 1:9.9

Leak

- 0 to 200 L/min

Mean Airway Pressure

- 0 to 50 cmH2O

Minute Volume

- 0 to 60 L

Positive End Expiratory Pressure (PEEP)

- 0 to 45 cmH2O

Peak Inspiratory Pressure (PIP)

- 0 to 85 cmH2O

Plateau Pressure

- 0 to 85 cmH2O

Static Compliance

- <10, 10 to 100, >100 mL/cmH2O



Complete VOCSN technical specifications are available at VentecLife.com/techspecs