

## 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](http://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



One device. Multiple configurations.

	V+O+C+S+N+Pro	V+O+C+S+N	V+C+S+N+Pro	V+C+Pro	V+C	V+Pro V+Pro Emergency
<b>V</b> Ventilation	✓	✓	✓	✓	✓	✓
<b>+O</b> O2 Concentration	✓	✓	✗	✗	✗	✗
<b>+C</b> Cough	✓	✓	✓	✓	✓	✗
<b>+S</b> Suction	✓	✓	✓	✗	✗	✗
<b>+N</b> Nebulizer	✓	✓	✓	✗	✗	✗
<b>+Pro</b> High-Pressure External Oxygen and FIO2 Monitor	✓	✗	✓	✓	✗	✓
<b>High Flow</b> up to 60 L/min	✓	✓	✓	✓	✓	✓
<b>Weight</b>	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)
<b>FDA 510k PMDA</b>	Cleared	Cleared	Cleared	Cleared	Cleared	Cleared

## Ventilation Technical Specification Overview. Visit [VentecLife.com/techspecs](http://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 PVRs)
- Vol. Targeted-PC  
(with functionality similar to PVRC)
- Vol. Targeted-SIMV  
(with functionality similar to SIMV+PVRC)

#### 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



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