



VOCSN Ventilation Modes

The VOCSN critical care ventilator provides a comprehensive set of ventilation modes to meet patient needs during invasive, non-invasive and mouthpiece ventilation. The reference list below illustrates how to set your preferred ventilation mode.

VOCSN uses a standard nomenclature to describe its modes. VOCSN provides Assist/Control-Volume, SIMV-Volume, Assist/Control-Pressure, SIMV-Pressure, Bi-Level and Spontaneous modes.

Volume Ventilation Modes

Ventilation Mode or Feature	Equivalent VOCSN Mode Settings	Additional VOCSN Controls
AC-Volume (Assist/Control)	<ul style="list-style-type: none"> Set Mode to AC-Volume Set Breath Rate Set Flow Trigger to On 	<ul style="list-style-type: none"> Inspiratory time Tidal Volume PEEP Sigh
VC (Volume Control)		
SIMV-Volume or SIMV (Synchronized Intermittent Mandatory Ventilation)	<ul style="list-style-type: none"> Set Mode to SIMV-Volume Set Breath Rate Set Flow Trigger 	<ul style="list-style-type: none"> Inspiratory Time Tidal Volume (for mandatory breaths) PEEP Flow Cycle Time Cycle Rise Time Apnea Rate Sigh
+/- Pressure Support	<ul style="list-style-type: none"> Pressure Support (measured above the set PEEP) 	
CV-Volume (Control Ventilation)	<ul style="list-style-type: none"> Set Mode to AC-Volume Set Breath Rate Set Flow Trigger to Off 	<ul style="list-style-type: none"> Inspiratory time Tidal Volume PEEP Sigh

Pressure Ventilation Modes (Including Volume-Targeted Ventilation)

Ventilation Mode or Feature	Equivalent VOCSN Mode Settings	Additional VOCSN Controls
AC-Pressure (Assist/Control)	<ul style="list-style-type: none"> ○ Set Mode to AC-Pressure ○ Set Breath Rate ○ Set Flow Trigger 	<ul style="list-style-type: none"> ○ Inspiratory Time ○ PEEP ○ Pressure Control (measured above the set PEEP) ○ Pressure Control Flow Termination ○ Flow Cycle ○ Rise Time
PC (Pressure Control)		
PRVC (Pressure Regulated Volume Control)	<ul style="list-style-type: none"> ○ Set Mode to AC-Pressure ○ Set Breath Rate ○ Set Volume Targeted to On ○ Set Flow Trigger ○ Set High Pressure Alarm 5 cmH₂O above desired maximum PIP 	<ul style="list-style-type: none"> ○ Inspiratory Time ○ Target Volume ○ PEEP ○ Pressure Control Flow Termination ○ Flow Cycle ○ Rise Time
SIMV-Pressure or PC-SIMV (Synchronized Intermittent Mandatory Ventilation)	<ul style="list-style-type: none"> ○ Set Mode to SIMV-Pressure ○ Set Breath Rate ○ Set Flow Trigger 	<ul style="list-style-type: none"> ○ Inspiratory Time ○ PEEP ○ Pressure Control Flow Termination ○ Flow Cycle ○ Time Cycle ○ Rise Time
+/- Pressure Support	<ul style="list-style-type: none"> ○ Set Pressure Control ○ Pressure Support (measured above the set PEEP) 	
SIMV + PRVC (Synchronized Intermittent Mandatory Ventilation) + (Pressure Regulated Volume Control)	<ul style="list-style-type: none"> ○ Set Mode to SIMV-Pressure ○ Set Breath Rate ○ Set Volume Targeted to On ○ Set Flow Trigger ○ Set High Pressure Alarm 5 cmH₂O above desired maximum PIP 	<ul style="list-style-type: none"> ○ PEEP ○ Tidal Volume ○ Pressure Support (measured above the set PEEP) ○ Inspiratory Time ○ Pressure Control Flow Termination ○ Flow Cycle ○ Time Cycle ○ Rise Time

Non-Invasive Ventilation Modes

Ventilation Mode or Feature	Equivalent VOCSN Mode Settings	Additional VOCSN Controls
S/T (Spontaneous/Timed)	<ul style="list-style-type: none"> Set Mode to Bi-Level Set Backup Rate Set Flow Trigger 	<ul style="list-style-type: none"> Inspiratory Time EPAP IPAP (measured from a baseline of 0 cmH2O) Flow Cycle Time Cycle Rise Time
AVAPS™, PRVS (Average Volume Assured Pressure Support) (Pressure Regulated Volume Control)	<ul style="list-style-type: none"> Set Mode to Bi-Level (active or passive) or Spontaneous (mouthpiece) Set Backup Rate (Bi-Level only) Set Volume Targeted to On Set Flow Trigger Set High Pressure Alarm 5 cmH2O above desired maximum IPAP 	<ul style="list-style-type: none"> Inspiratory Time (Bi-Level only) EPAP (Bi-Level only) Tidal Volume Flow Cycle Time Cycle Rise Time
T (Timed)	<ul style="list-style-type: none"> Set Mode to Bi-Level Set Backup Rate Set Flow Trigger to Off 	<ul style="list-style-type: none"> Inspiratory Time EPAP IPAP (measured from a baseline of 0 cmH2O) Rise Time
Pressure Support S (Spontaneous)	<ul style="list-style-type: none"> Set Mode to SIMV-Pressure or SIMV-Volume Set Breath Rate to 0 Set Pressure Support 	<ul style="list-style-type: none"> Inspiratory Time (Apnea backup) Pressure Control (Apnea backup if SIMV-Pressure) Tidal Volume (Apnea backup if SIMV-Volume) PEEP Flow Cycle Time Cycle Rise Time Apnea Rate
CPAP (Continuous Positive Airway Pressure)	<ul style="list-style-type: none"> Set Mode to SIMV-Pressure or SIMV-Volume Set Breath Rate to 0 Set PEEP to desired CPAP level Set Pressure Support to 0 	<ul style="list-style-type: none"> Inspiratory Time (Apnea backup) Pressure Control (Apnea backup if SIMV-Pressure) Tidal Volume (Apnea backup if SIMV-Volume) Flow Cycle Time Cycle Rise Time Apnea Rate



VentecLife.com
info@venteclife.com
1-844-MY-VOCSN

MKT-00003 Rev D