







Manufactured - By : **A. B. Industries**

796, G.I.D.C., Makarpura, Vadodara - 390 010 Gujarat, India

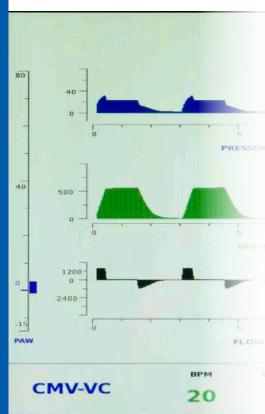
Phone: +91-77779 66699 / 90997 85552 / 81419 79555 Fax: +91-265-2644583



Your reliable partner in patient ventilation

www.max-ventilator.com

Critical Care Ventilator with Wide Range of Clinical Solutions



Complete Care to Critical Care Patients:

• PRVC/VS:

Guaranteed volume delivery with minimum airway pressure. Limits volutrauma. Prevents Hypoventilation. Assured minute volume. Enhanced patient safety. Reduced work of breathing.

APRV:

Allows Spontaneous ventilation to promote lung recruitment of collapsed and poorly ventilated alveoli. Restores FRC. Better CO₂ elimination. Improved oxygenation at lowest Ppeak and Pmean. Increased cardiac output.

• SIMV-VC/PS:

Ideal mode for weaning the patient. Ensures minimum minute volume. Permits pressure supported spontaneous breaths between two SIMV breaths.

SIMV-PC/PS

Offers ease of weaning for patients. Ensures additional safety against barotrauma. Enhanced patient safety. Allows pressure supported spontaneous breaths between consecutive SIMV breaths. Weaning strategy can be applied to number of breaths or pressure control limit.

• CPAP & Bi-NIV-Non Invasive Ventilation:

Allows spontaneous breathing offering maximum patient comfort. Ideal for supportive respiration requiring minimum overall intervention.

• VS-Auto:

Combination mode with benefits of VS and PRVC. VS option allow Pressure Supported, Volume Assured Spontaneous breaths. Backup mode ensures assured minute volume with exposure to minimum airway pressure. Offers highest patient safety against volutrauma, Hypoventilation, abnormal airway pressure and apnic condition.

PSV-Auto:

Increase patient comfort level with low work of breathing makes it perfect choice for weaning the patient. Backup mode enables breath delivery of mandatory breaths at controlled pressure ensuring patient safety.

User Friendly Concept:

- Dual Display
- Large display showing all lung dynamics simultaneously on same screen Curves: Airway Pressure V/s Time, Tidal Volume V/s Time,

Flow Rate V/s Time

Loops: Airway Pressure V/s Flow Rate, Tidal Volume V/s Airway Pressure, Flow Rate V/s Tidal Volume

• Easy and Quick setting Keyboard

Economy of Operation:

- Long Life Flow Sensor and FiO₂ Sensor
- Consumes least number of parts per patient.
- Designed and built to operate in harsh environment.
- Low Operational Cost per Patient.
- POWER VENTILATOR BATTERY BATTERY BATTERY PATIENT ON CHARGING FULL LOW TRICORD



Modes of Ventilation	
Volume Control Modes	CMV - VC, ASSIST - VC, SIMV - VC/PS
Pressure Control Modes	CMV - PC, ASSIST - PC, SIMV - PC/PS
Advanced Modes	PRVC/VS, APRV
Non - Invasive Modes	CPAP, Bi - NIV
Auto Modes	PSV - Auto, VS - Auto
Settable Parameters	
Breaths Per Minute (BPM)	Up to 120
Tidal Volume (V _T)	20 to 300 cc Pediatric
	300 to 3000 cc Adult
Inspiratory Time (Ti)	0.2 to 4 sec
Peak Flow Rate	6 to 150 LPM
Inspiratory Pressure	Up to 80 cm of H₂O
PEEP	0 to 35 cm of H₂O

FiO₂ 21 to 100% Pressure Trigger -0.5 to -15 cm of H₂O Flow Trigger 0.3 to 30 LPM Apnea Back-up Time 5 to 60 sec Measured Parameters

No. of Breaths	Spontaneous, Total Breaths per minute
Airway Pressure	Peak, Plateau, Mean, PEEP
Patient Trigger	Trigger Pressure, Trigger Flow
Tidal Volume	Inspired Volume, Expired Volume
O ₂ Concentration	Inspired FiO₂
Lungs Mechanics	Lung Compliance, Lung Resistance
Minute Volume	Expired Minute Volume

High, Low

High, Low

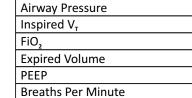
High, Low

High, Low

Low

High

0 to 50% of Ti



Alarms: Preset and Settable

Inspiratory Pause

Apnea Alarm Time	5 to 60 sec	
Information on LCD		
Parameters	Dynamic Airway Pressure Indication	
	Mode, BPM, Spont. BPM, VTi, VTe, PEEP, Ppeak, FiO ₂	
Curves & Loops	Airway Pressure v/s Time	

	Airway Pressure v/s Flow Rate
	Flow Rate v/s Tidal Volume
	Volume v/s Airway Pressure
Display Size	47 cms TFT LED Monitor

Special Features

- Nebulize
- Manual Breath
- Tube Compensation

Optional Accessories

Apnea Backup Ventilation

O₂ Enrichment

Tidal Volume v/s Time
Flow Rate v/s Time

- Standby Function
- Inspiratory HoldAltitude Compensation

Humidifier, Medical Grade Compressor

Electrical and Gas Supply	
Input Supply	175 - 260 Volts or 90 - 132 Volts AC, 50/60 Hz
Internal Battery Backup	90 Minutes
External Battery Backup	10 to 15 Volts DC (Optional)
Power Consumption	70 Watts (Approx.) for Basic Ventilator
Gas Input	Medical Grade Air and O₂ at 2.7 - 6 Bar (39-87 psi)
Weight	15 Kgs. (only Ventilator, without Cart)
Standard Accessories	Breathing Circuit



