

ZEON

CRITICAL CARE VENTILATOR



- Suitable for critical care applications
- Microprocessor controlled, electrically driven ventilator
- Large LCD display
- In-built battery backup
- User friendly controls
- Low operating cost

MAX

ZEON CRITICAL CARE VENTILATOR

Max Meditech offers microprocessor based technology in a compact, self contained ventilator system. **Max** ventilators offer ease of operation, high functional reliability and consistency. They are totally electrically driven and do not require compressed gas or air. This feature proves **Max** ventilators highly suitable for hospitals and nursing homes where centralized gas supply is not available.

TECHNICAL SPECIFICATIONS

Operational Parameters

Modes : CMV-VC, ASSIST-VC, SIMV-VC, PSV-ASSIST, SIMV-PSV, PSV APB, CMV-PCV, ASSIST-PCV, SIMV-PCV

Breaths per Minute : (1 to 60 - SIMV) 6 to 60

Tidal Volume : 30 - 1100 cc

Inspiratory Pressure : 10 to 60 cm H₂O

Flow Pattern : Constant

I:E Ratio : 1:4 to 4:1

Inspiratory Time : 0.04 to 4 sec (20% to 80% in CMV)

Pressure Trigger : -15 to -0.5 cm H₂O

Flow Trigger : 1.8 to 30 lpm

Peep Level : 0 to +20 cm H₂O

PCV Limit : 10 to 60 cm H₂O

PSV Limit : 10 to 60 cm H₂O

Apnea Backup Time : 5 to 60 secs

Other Features : Inspiratory Pause Limit, Sigh Breath, Manual Breath

Specifications

Input Supply	: 185 - 264 V, 50/60 Hz, AC
Power Consumption	: 40 Watts
VA Requirement	: 70 VA
Internal Battery	: 2 X 6 V, 4.5 AH
Battery Back-up Duration	: 60 minutes
Dimensions	: 480 mm (W) x 350 mm (D) x 285 mm (H)
Weight	: 20 Kg
Operating Temperature	: 10 - 40°C

Alarms/Indications

FiO ₂ Low	Apnea
Excess Breaths	Power Failure
Low Expired Volume	Peep Low
Low Inspired Volume	Peep High
FiO ₂ Sensor Open	Battery Operation
FiO ₂ Sensor Defective	Battery Low/ Battery Discharged
FiO ₂ High	Ventilator Failure
High Inspiratory Pressure	
Low Inspiratory Pressure	
Patient Disconnection	
Ventilator Malfunction	
Low Inlet Volume	
Check Exp Flow Sensor	

Monitored Parameters

FiO ₂ Monitoring	Plateau Pressure
Spontaneous Breaths	PEEP Level
Inspired Tidal Volume	Trigger Level
Expired Tidal Volume	Delivered BPM
Peak Inspiratory Pressure	

Connections

22 mm (Male) outlet port for tubing connection to patient.
 22 mm (Male) expiratory port for tubing connection from patient.
 8 mm low pressure connection for oxygen enrichment.
 Pressure monitoring port.
 Reservoir Bag Port



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Manufacturing Facility
ISO 9001 : 2000 certified
By TUV - Rheinland

CE Compliance

Specifications are subject to change without prior notice