



## *ACU*vent for transport and emergency wards

- Portable Ventilator for use in transport and emergency wards
- Latest 'Micro-controller technology' for accurate control of parameters and monitored values
- Needs only Oxygen supply to run the ventilator.
- FiO<sub>2</sub> Blending using Venturi system to adjust from 50% to 100%
- Operating modes: CMV, Assist Control, SIMV & CPAP. Can also be used for **High flow Oxygen Therapy with Nasal Canula.**
- Provision for Nebulisation
- Rechargeable battery backup for 4 Hrs
- High visibility LED displays for breath rate, PIP, PEEP, Pressure trigger and Tidal volume
- Standby mode to enable easy cleaning routine for the patient
- Mains on & Battery use indicator
- All alarms with audio visual indication

## TECHNICAL SPECIFICATIONS - ACUvent

### Ventilation Modes

VCV	Volume controlled ventilation
A/C	Assist control ventilation
SIMV	Synchronized intermittent mandatory ventilation
CPAP	Continuous Positive Airway Pressure
	high flow Oxygen Therapy with Nasal Canula available

### Ventilation Parameters

Tidal Volume	50ml to 1000ml
Respiratory rate	0 to 30 bpm
Oxygen concentration	50 to 100%
Pressure Trigger	+ 20 to - 20 cm H <sub>2</sub> O

### Special Features

- Built in O<sub>2</sub> Pressure regulating valve
- Provision for online Nebulizer
- Venturi system to blend O<sub>2</sub> with atmospheric air
- Mute key for 2 mts silence of alarm
- Standby key

### Monitored Parameters

Maximum Inspiratory Pressure	0-80cms of H <sub>2</sub> O
PEEP	0-20 cms of H <sub>2</sub> O (with external PEEP valve)
Tidal Volume delivered	999ml

### Indicator LEDs

Operating mode, Power on, Battery on, Standby on,  
Spontaneous effort in Assist Control / SIMV modes, Apnea

### Alarms

Low Air Way pressure, High Air Way Pressure, O<sub>2</sub> Supply Fail,  
Low Battery, Disconnection / Low Airway pressure

### Gas Supply

Oxygen 50 to 100 psi (345 to 690 kPa)

### Electrical Features

Supply	(100 to 220 V AC, 50 / 60 HZ )
Fuse	2A glass fuse
Rechargeable battery	Sealed, Lead/acid, 12 V DC, 1.3 Ah
Battery back up	Approximately 4 Hrs at full charge



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(Technical specifications are subject to change without notice due to continuous improvement in technology)