

## Universal Ventilator for Adult, Pediatric and Neonatal

### Ventilation Modes

#### Invasive (Adult/Ped):

VC- AC, VC- SIMV, PC –AC, PC –SIMV, CPAP- PSV, APRV, PRVC, PRVC SIMV, MMV\*, BIPHASIC\*

#### Non-Invasive (Adult/Ped):

PC –AC, PC- SIMV, CPAP- PSV, APRV, PRVC, PRVC SIMV, BIPHASIC\*, HFNC

#### Invasive (Neonate):

PC-AC, PC-SIMV, CPAP-PSV, APRV, PRVC, PRVC-SIMV, MMV\*, BIPHASIC\*

#### Non-Invasive (Neonate):

PC-AC, PC-SIMV, APRV, nCPAP, PRVC, PRVC- SIMV, nIPPV-BIPHASIC\*, HFNC

\* is optional

### Display

Size	: 12.1" with Touch Interface
Waveform	: Airway Pressure, Flow, Volume Plethysmograph (Option) Co2 (option)
Loops	: Pressure – Volume Pressure – Flow Volume – Flow A Reference Loop & Overplotting Loops.

### Setting Parameter

Tidal volume (ml)	02–100 (Neo) 20–1000 (Ped) 100–3000 (Adult)
ΔPressure above PEEP (mbar)	01–90
PEEP (mbar)	00-50
ΔPressure Support (mbar)	00-90
Respiratory rate (breaths/min)	06-240
T Insp (Sec)	0.2 – 08
I:E Ration	1:10 - 4:1
FiO2 (%)	21-100
Insp Rise Time (Sec)	0.1 - Set Tinsp
TPause (%)	Off/10-60
Flow trigger (l/min)	0.5-15
Pressure trigger (mbar)	-1 to -20
Apnea (s)	05-60
Flow –HFNC (LPM)	01-65
Exp. Cycle (%)	10-85

### Maneuvers\*

P-V Tool (Slow Inflation)	
Nebulization	: 1–60 min/Off, Volume Compensated
Insp. Hold	: (0–10 seconds)
Exp. Hold	: (0–30 seconds)
P 0.1	
Intrinsic PEEP	

### Functions

O2 Flush %	: Off, 21–100 %
O2 Flush Time (Min)	: 01-05
Leakage compensation On/Off/ Automatic	: Activates Previously
Last Patient	: Used Mode & Settings
	: PC / VC- On/Off
Apnea Backup ventilation	: Breath Count (25 -300)
Sigh Breath Function	: Volume (10-60% ΔVT) Pressure (1-10 ΔP)



### Tube Compensation

Tube Type	: Endotracheal Tube / Tracheostomy Tube
Tube Dia (mm)	: 02-12
Compensation %	: 1-100
Insp / Exp Compensation	: On/ Off

**Inspiratory Flow Profile** : Square / Accelerating / Decelerating

### Monitoring And Trends

Ppeak	Mve	P0.1 (Occl. Pressure)
Pplat	MVe Spon	PTP (Press Time Prod)
Pmean	Mvi	PEEPint (Intrinsic PEEP)
PEEP	MVi spon	SpO2 (Option)
Fio2	Leak VT	PR (Option)
Vte	Flow Peak Insp	PI (Perf. Index)
VTe spon	Flow Peak exp	EtCo2 (Option)
Vti	Flow Leak	FiCo2 (Option)
VTi spon	RCinsp (Insp Time Const)	aWRR (Option)
Comp.VT	RCexp (Exp Time Const)	PO2 Inlet
RR Total		
RR Spont	RSBI	
Tinsp	Cstat (Static Compl)	
Temp	Cdyn (Dynamic Compl)	
I:E Ratio	RI (Insp Resi.)	

### User Settable Alarms

PIP High	MVe High	VTi High	RR High	FiO2 High
PIP Low	MVe Low	VTi Low	RR Low	FiO2 Low
PEEP High	Apnea			
PEEP Low				

### Auto Set Alarm – Available

Ingress protection	: IP 2X
Weight	: 10.5 kg (Approx)
Dimensions	: 380x340x360mm
Power Supply	: 110–240 VAC, 50–60 Hz
Power Consumption	: 60 VA Typical, 160 VA Max
Battery Backup Time	: 04 Hours (8 Hours Option)
Air Source	: Internal Turbine
Oxygen	: 3.0 - 5.0 bar 43–72 (PSI)
Oxygen Input Purity (%)	: 90-100
Trends & Logs	: Trend Data: 96 Hrs, Event :1000
Snapshot	: 100 Nos -Exportable
Data transfer via USB	: For transfer of trends, logs, screenshots and recordings to a USB memory stick
Interface	: USB, RJ45, HDMI
Legal Manufacturer	: Life Line Biz Pvt Ltd



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