

Technical Specification

Ventilation Modes

VCV(A/C)	PCV(A/C)	PRVC	SIMV(VCV)+PSV
SIMV(PCV)+PSV	SIMV(PRVC)+PSV	SPONT/CPAP+PSV	
BIVENT+PSV	NIV/CPAP	NIV-T	NIV-S/T

Parameters

• Tidal Volume:	20~2000 ml
• Respiration Rate:	1~80 bpm
• Tinsp:	0.2~9 s
• Tslope:	0~2 s
• Tpause:	0~4 s
• I:E Ratio:	1:10~4:1
• FiO ₂ :	21%~100%
• Trigger Sensitivity:	Pressure (-20~0 cmH ₂ O, above PEEP) Flow (0.5~20 LPM)
• PEEP:	0~35 cmH ₂ O
• Psupport:	0~70 cmH ₂ O
• Pinsp:	5~70 cmH ₂ O

Special Procedures

Apnea Ventilation	Smart Suction	Manual Breath
Insp/ Exp Hold	ETCO ₂ Measurement	
Nebulization	Waveform Freeze	

Monitoring

• Pressure Value:	Ppeak, Pplat, Pmean, Pmin, PEEP
• Volume / Flow Value:	Vti, Vte, MV, MVspont
• Time Value:	ftotal, fspont, I:E
• Real Time Curves:	Pressure-Time, Flow-Time, Volume-Time waveforms Pressure-Volume, Volume-Flow, Flow-Pressure loops
• Gas Monitoring:	FiO ₂ , ETCO ₂
• Calculated Values:	Compliance(C) Resistance(R) MVleak RSBI WOB PEEPi

Alarm

Paw high / low	MVe high / low	Circuit disconnect
FiO ₂ high / low	Inspiration / Expiratory tidal volume low	
High Respiration Rate	Apnea AC Failure	Nebulizer On
Low Battery	Air /O ₂ supply down	High / Low PEEP
Leakage out of range	Occlusion	

Technical Data

• Screen:	12" TFT color touch screen (detachable)
• Supply Gas:	O ₂ , 0.28~0.6 MPa
• Power Supply:	AC100~240 V, 50 Hz/60 Hz
• Communication Interface:	RS-232 Port, Nurse call Port, Ethernet Port
• Dimension (WxDxH):	322 mm x 375 mm x 366 mm (Main Unit) 547 mm x 675 mm x 950 mm (Cart)
• Weight:	12.5 kg (Main Unit) 25 kg (Cart)



An Optimal Combination of Invasive and Noninvasive Ventilator

VG70 Ventilator

CE 0123

Superior Mobile ICU ventilator

- Comprehensive ICU ventilator including BIVENT and PRVC
- Compact, big capacity battery, no air compressor, intra-hospital mobility
- Flexible device configuration: equipped on a trolley, bed or ceiling pendant

Cost Effective Solution

- Unique metal-based, autoclavable, heated exhalation valve
- Built-in flow sensor, non-consumable design
- Upgradeable ventilation system software, with an available USB port



An Optimal Combination of Invasive and Noninvasive Ventilator

- As noninvasive ventilation is used increasingly in a wide range of clinical situations, we offer a dual solution
- VG70 combines the advantages of a flexible noninvasive ventilator with a full-featured invasive ventilator for the ICU

Optimal patient-ventilator synchrony, increase patient comfort

- **The Unique Leak Compensation System** - Keep precise control on the tidal volume of each breath delivered to the patient by adjusting compensation dosage automatically
- **Advanced Trigger Technique** - Enhance sensitivity, avoid spurious triggering

Auto-detect and Adjust Leak Compensation

Automatically Adapt to Patient's Breathing Pattern

Multi-parameter Monitoring

Safe Ventilation Through Whole Treatment Phase

Initial Treatment Phase

- Noninvasive ventilation mode associated with decreased intubation rates, shortened patient stays, improved patient comfort, and a reduced risk of cross infection
- Preset patient's height and IBW. Reduce clinician's workload

Stable Condition Phase

- PRVC and BIVENT employ lung-protective strategies, delivering intelligent ventilation
- Comprehensive lung mechanics monitoring include compliance, airway resistance, PEEP_i and time constant
- Three waveforms & three loops with user-friendly display provide a continuous monitoring of the patient's condition

Weaning Phase

- Various ventilation modes enhance the weaning process
- The unique trigger and leakage compensation system safeguards each and every patient breath resulting in smooth and comfortable breathing, avoiding extra workload on the patient and promoting recovery
- RSBI and WOB provide accurate reference for weaning

Rehab Phase

- Data export port provides connection to hospital monitors and Patient Data Management Systems
- Provides pressure support for the patient when spontaneous breathing is present

