

Technical Specification

	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
• Tidal Volume:	20~2000 ml			
• Respiration Rate:	1~80 bpm			
• T _{insp} :	0.2~9 s			
• T _{slope} :	0~2 s			
• T _{pause} :	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			
• P _{support} :	0~70 cmH ₂ O			
• P _{insp} :	5~70 cmH ₂ O			
	Apnea Ventilation	Smart Suction	Manual Breath	
	Insp/ Exp Hold	ETCO ₂ Measurement		
	Nebulization	Waveform Freeze		
• Pressure Value:	P _{peak} , P _{plat} , P _{mean} , P _{min} , PEEP			
• Volume / Flow Value:	V _{ti} , V _{te} , MV, MV _{spont}			
• Time Value:	f _{total} , f _{spont} , 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			
	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		
• 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)			

Remark: Above configurations include standard and optional. Please check price with your Aeonmed sales representative.



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

