

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
• 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

Special Procedures

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

Monitoring

• 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

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)

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

AEOMED
Reliable Quality Thoughtful Service

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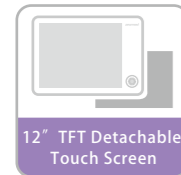
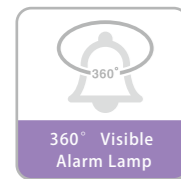
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Superior Mobile ICU ventilator

- 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

