

VG70 Ventilator



160 Visible Alarm Lamp



12" TFT Detachable Touch Screen



Ultra Quiet Turbine Inside



Integrated Power Supply Solution



Built-in Battery With Extended Backup Option



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:	ttotal, 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
Low Battery	Air / O ₂ supply down	Nebulizer On
Leakage out of range	Occlusion	High / Low PEEP

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 Aeorimed sales representative.

VG70 Ventilator

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, PEEPi 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

