Technical Specification

Ventilation Settings

Ventilation Modes

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

Enhancements

- Apnea ventilation, Pressure and Flow trigger, Automatic Tube Compensation (ATC), Smart suction
- Manual breath, Insp/Exphold, Screen freeze, Nebulization, Lung recruitment

Parameters

• Tidal volume (VT)	20-2000ml
• Respiratory rate (RR)	1 to 80 bpm
• Inspiratory time (Ti)	0.2 to 9 s (adult), 0.2 to 5 s (pediatric)
• Inspiratory flow (Flow)	0 to 100 L/min (pediatric), 0 to 180L/min (adult)
• Inspiratory pressure (Pinsp)	5 to 70 mbar (or cmH_2O)
• Inspiratory pressure limit (Pmax)	80 mbar (or cmH_2O)
• PEEP	0 to 35 mbar (or cmH_2O)
• Tslope	0 to 2 s
• O_2 concentration (FiO_2)	21 to 100 Vol%
• Trigger sensitivity	0.5 to 20 L/min (Flow trigger), -20 to 0 mbar (or cmH_2O) (Pressure trigger)
• I/E ratio	1/10 to 4/1
• Apnea alarm time	10-60 seconds

Monitoring

- Pressure values: Pplat, Ppeak, Pmean, Pmin, PEEP
- Volume/Flow values: VT_I, VT_E, MV, MV_e, MV_{spont}
- Time values: f_{total}, f_{spont}, I:E
- Inspiratory O_2 concentration (FiO_2), End-expiratory CO_2 concentration ($etCO_2$)
- Compliance (dynamic & static), Resistance (R), MVleak, RSBI, WOB, I:E, Vdaw, PEEPi
- Pressure-Volume loop, Pressure-Flow loop, Flow-Volume loop

Alarms

Expiratory minute volume (MV) High/Low, Airway pressure (Paw) High/Low,
VTe Low, PEEP High/Low, Insp. O_2 concentration (FiO_2) High/Low,
End-expiratory CO_2 concentration ($etCO_2$) High/Low, fspont High, Apnea alarm, Disconnection,
Flow sensor error, Gas supply, Electrical supply & battery failure,
Exhalation obstruction, Apnea backup for low frequency alarm

Physical Specifications

• Dimensions (WxDxH)	375mm x 395mm x 430mm
• Weight	15kg (33.1lbs)
• Screen	12.1" TFT color touch screen

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

AEONMED
Reliable Quality Thoughtful Service

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AVT70-1706

An Optimal Combination of Invasive and Noninvasive Ventilator

VG70 Ventilator

CE 0123

AEONMED
Reliable Quality Thoughtful Service

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

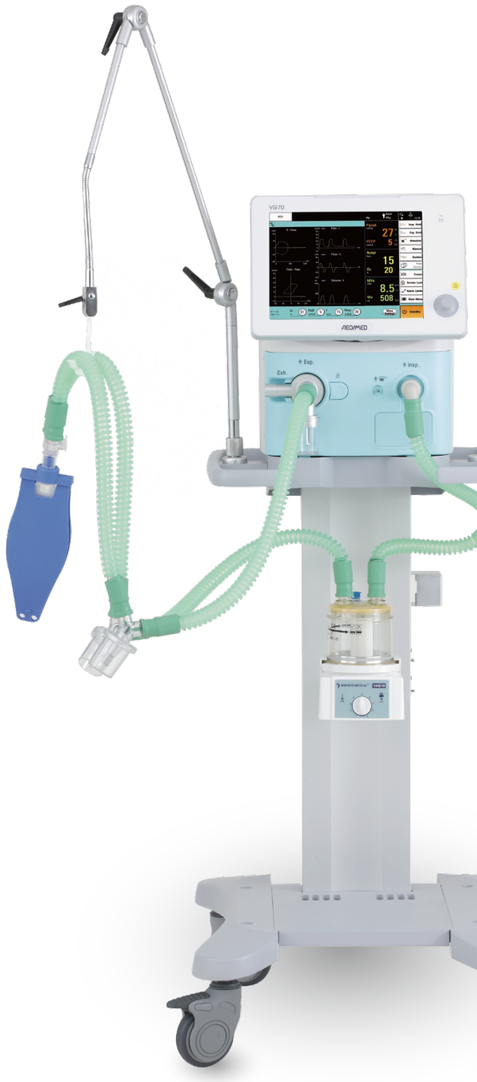
360° Visible Alarm Lamp

12"TFT Detachable Touch Screen

Ultra Quiet Turbine Inside

Integrated Power Supply Solution

Built-in Battery, With Extended Backup Option



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, 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