



VG70

Ventilator Introduction

International Marketing Unit
Starry

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2020 | **AEOMED**
Reliable Quality Thoughtful Service

Overview

- Turbine Sub-acute ICU ventilator
- CE marked
- Target middle-high market
- Has comprehensive functionality, a user-friendly design
- Full of high-quality, reliable treatment options for the clinician



Drive mode:

- Built-in low noise turbine
- Lifetime over 30,000 hours
- No request for air compressor

Scope of application:

- ICU, Respiratory Department or Emergency Department
- For the rescue and therapy of the patient with respiratory insufficiency
- Other departments for providing respiratory support for the patient.





non-invasive ventilation



Invasive ventilation

VG70

As non-invasive ventilation is used increasingly in a wide range of clinical situations, we offer a dual solution. You no longer need to switch devices when it's time for NIV treatment. You can achieve invasive-non-invasive sequential ventilation with VG70.

Application:

Patient Type : Adult, Child

Function : Invasive & Non-invasive

Invasive ventilation

VCV(A/C)

PCV(A/C)

PRVC

SIMV(VCV)+PSV

SIMV(PCV)+PSV

SIMV(PRVC)+PSV

SPONT/CPAP+PSV

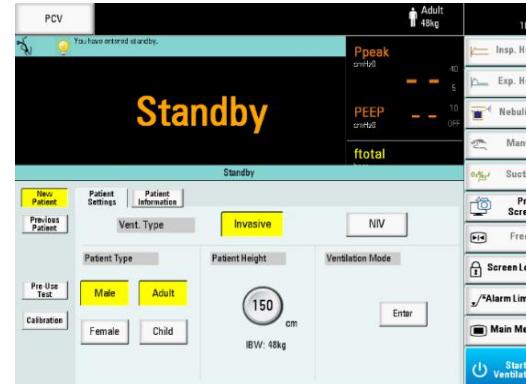
BIVENT/APRV+PSV

Non-invasive ventilation

NIV/CPAP

NIV-T

NIV-S/T



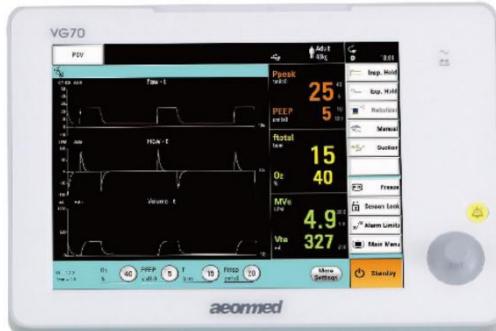
Special Features



- Integrated invasive and non-invasive ventilation in one
 - Leakage compensating flow more than 60L/min
 - Automatic Tube Compensation, Compliance Compensation

Special Features

User-friendly Design



- 12" Color TFT LCD touch screen, wheeling knob, simple intuitive interface
- Guide-Way interface
- Detachable screen, reduce cross-infection

The VG70 and the advanced VT5230 have similar user-friendly interface. Even first-time users can learn and master it fast from the start.

Special Features

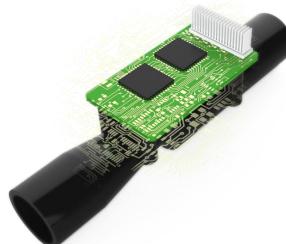
- Metal exhalation valve:

No consumption
Easy to maintain



- Built-in flow sensor:

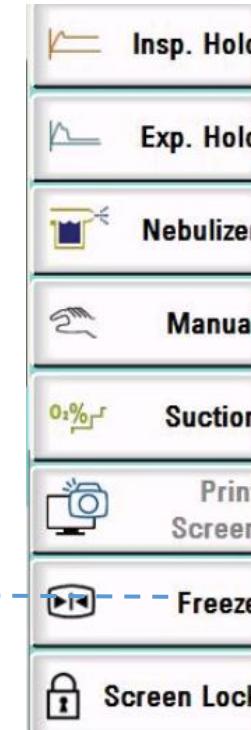
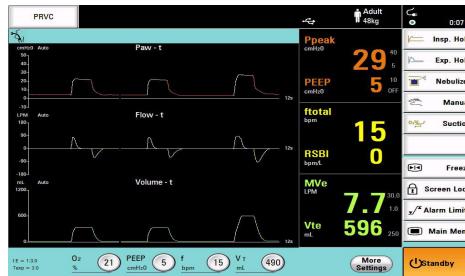
Low maintenance cost



Special Features

Comprehensive clinical tools

- Synchronized Nebulizer
- Ins / Exp hold
- Manual inspiration
- Smart suction
- Waveform Freeze



Special Features

System updating

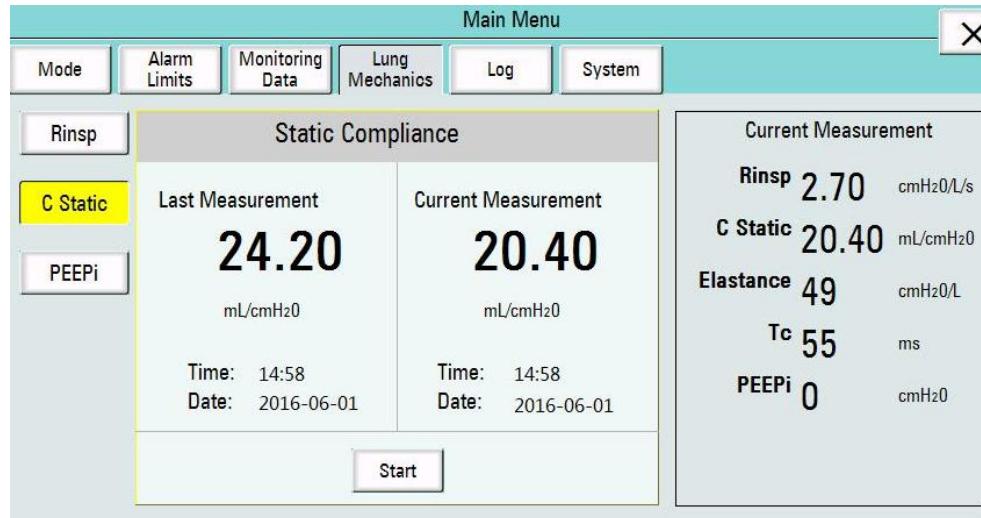
- Achievable with flash drive
- On-site updating, safe and convenient



Special Features

Comprehensive clinical tools

- static compliance, airway resistance and intrinsic PEEP.



Special Features

Weaning Package

- Monitoring: RSBI, WOB

Main Menu						
Mode	Alarm Limits	Monitoring Data	Lung Mechanics	Log	System	X
Ppeak cmH ₂ O	26	Vti mL	451	Rexp cmH ₂ O/L/s	14	FiCO ₂ mmHg
Pplat cmH ₂ O	25	Vte mL	447	Cdyn mL/cmH ₂ O	21	LEAK NIV %
PEEP cmH ₂ O	5	MVe LPM	6.7	RSBI bpm/L	0	
Pmean cmH ₂ O	10	MVespont LPM	0.0	WOB J/L	4	Vdaw mL
Pmin cmH ₂ O	5	f _{total} bpm	15	I:E	1:3.2	Tispont s
O ₂ %	21	f _{spont} bpm	0	etCO ₂ mmHg	--	

Special Features

Other Functions

- Trolley with Integrated AC outlets for VG70 and Humidifier, simplify cable routing
- 72 hours graphical trends
- ETCO₂ measuring
- Nurse call
- HL7
- ...

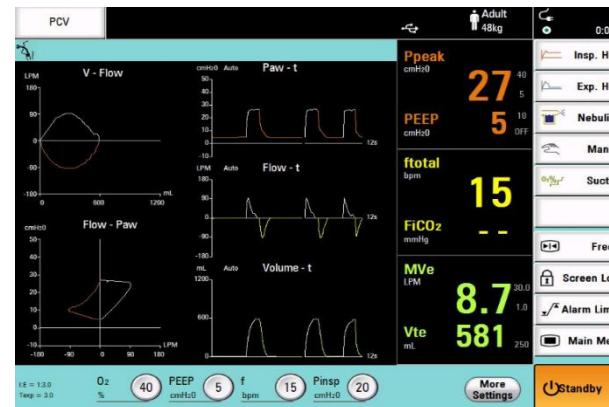


Parameter Settings

Parameter Settings
Tidal Volume: 20-2000ml
Respiratory Rate: 1-80 bpm
Inspiration Time: 0.2-9s
Inspiration Pause Time: 0~4s
Tslope : 0~2s
FiO2: 21%~100%
PEEP: 0-35cmH2O
CPAP (NIV) : 2-20cmH2O
Psupp: 0-70cmH2O
Pinsp: 5-70cmH2O
Flow trigger sensitivity: 0.5 ~20 L/min
Pressure trigger sensitivity: -20~0 cmH2O
Esens: 5%~80%

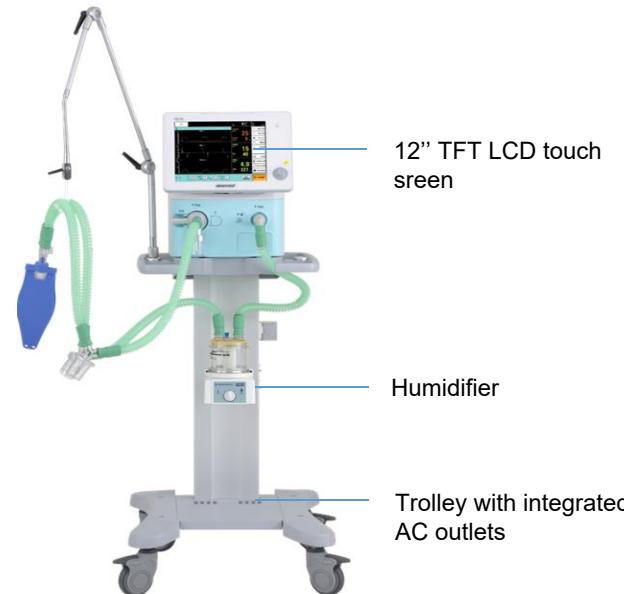
Parameter Monitoring

- VTi, VTe, MVe, MVspont, leakNIV
- Pmin, Pplat, Pmean, Ppeak, PEEP
- ftotal, fs spont
- Waveform: P-t , F-t , V-t ,CO2-t
- Loops: F -P, P-V, F-V



Part of optional components

- Extended battery for 2 hours backup
- etCO₂ module
- Paramagnetic oxygen sensor

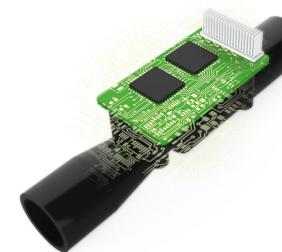


Special Design

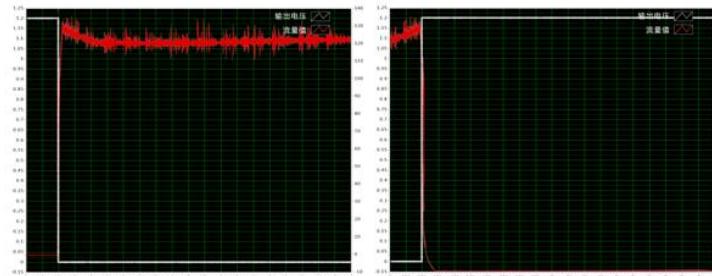
- Built-in low noise turbine ,lifetime is more than 30,000 hours



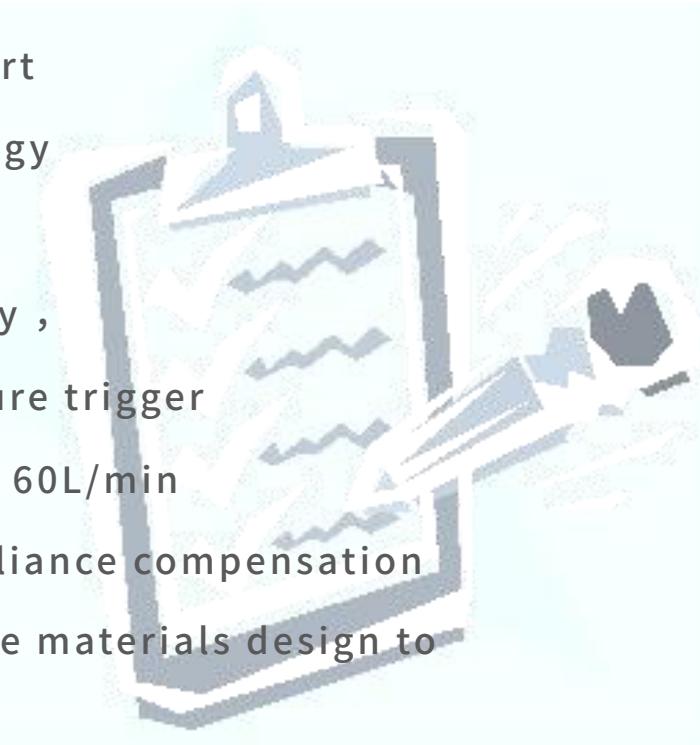
- TSI flow sensor – High accuracy for flow measuring



- Valve Average Response Time less than 10 ms



- Used in ICU and intra-hospital transport
- Advanced turbine controlling technology
- Suitable for children and adults
- Both invasive and non-invasive therapy ,
- Wide range sensitivity of flow & pressure trigger
- Leakage compensating flow more than 60L/min
- Automatic tube compensation & Compliance compensation
- Metal exhalation valve, no consumptive materials design to keep maintenance costs low



- Lung mechanics measurement
- Synchronized Nebulizer, Ins / Esp. hold, manual inspiration ,smart suction, print screen and waveform freeze
- 12" TFT color touch screen, with the Guide-Way interface, menus are easy to use and well organized
- Low flow oxygen inlet
- 4 waveform and 3 loops
- 2 USB ports, VGA and Nurse call ports
- Optional ETCO₂ monitor



Thanks

