



# VG70

## 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)

Non-invasive ventilation

PCV(A/C)

PRVC

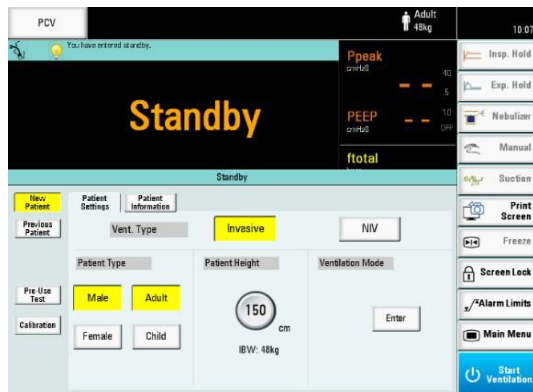
SIMV(VCV)+PSV

SIMV(PCV)+PSV

SIMV(PRVC)+PSV

SPONT/CPAP+PSV

BIVENT/APRV+PSV



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

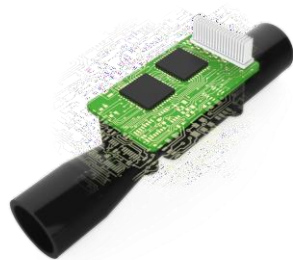


- 12" Color TFT LCD touch screen, wheeling knob, simple intuitive interface
- Guide-Way interface
- Detachable screen, reduce cross-infection

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:**  
Non-consumable Easy to maintain
- **Built-in flow sensor:**  
Low maintenance cost

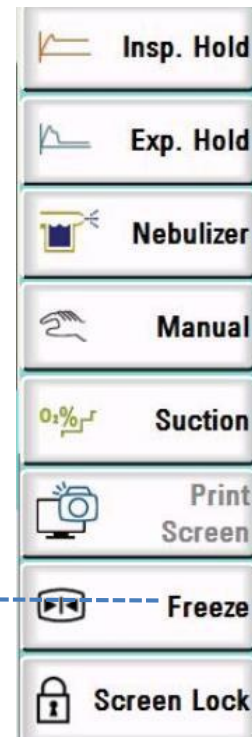




## Special Features

### 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.

The screenshot displays the 'Main Menu' interface of the VG70 device. The menu includes options for Mode, Alarm Limits, Monitoring Data, Lung Mechanics, Log, and System. The 'Monitoring Data' section is active, showing 'Static Compliance' and 'Current Measurement' data.

Mode	Alarm Limits	Monitoring Data	Lung Mechanics	Log	System
Rinsp		<b>Static Compliance</b> Last Measurement: <b>24.20</b> mL/cmH <sub>2</sub> O Current Measurement: <b>20.40</b> mL/cmH <sub>2</sub> O Time: 14:58 Date: 2016-06-01		<b>Current Measurement</b> Rinsp <b>2.70</b> cmH <sub>2</sub> O/L/s C Static <b>20.40</b> mL/cmH <sub>2</sub> O Elastance <b>49</b> cmH <sub>2</sub> O/L Tc <b>55</b> ms PEEPi <b>0</b> cmH <sub>2</sub> O	

## Special Features

### Weaning Package

- Monitoring: RSBI, WOB

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

## Special Features

### Other Functions

- Trolley with Integrated AC outlets for VG70 and Humidifier, simplify cable routing
- 72 hours graphical trends
- ETCO<sub>2</sub> measuring
- Nurse call
- HL7
- ...

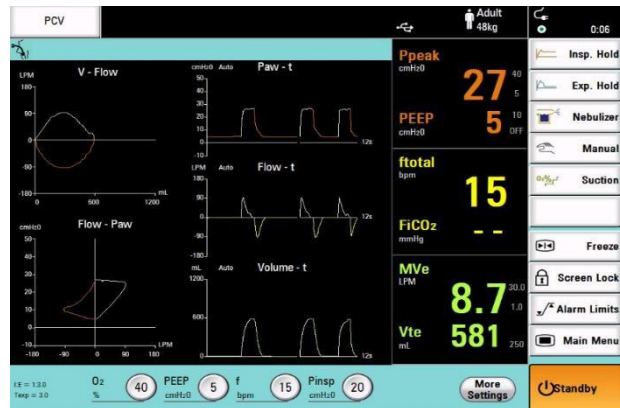


## Parameter Settings

Parameter Settings
Tidal Volume: 20-2000ml
Respiratory Rate: 1-80bpm
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%

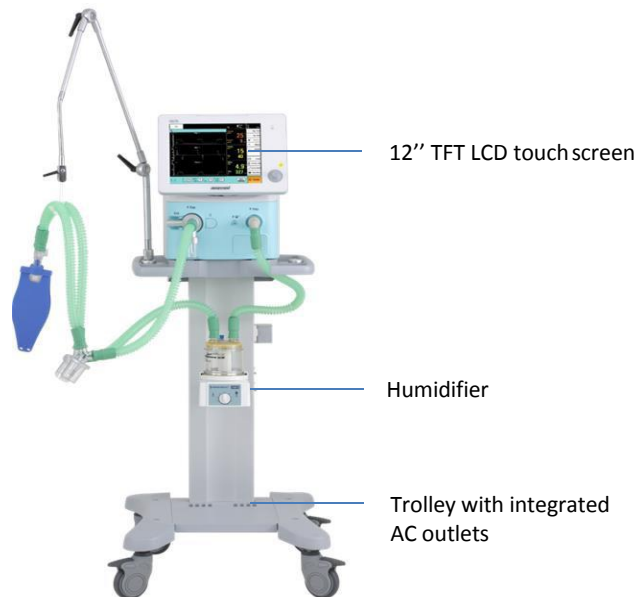
## Parameter Monitoring

- VT<sub>i</sub>, VT<sub>e</sub>, MV<sub>e</sub>, MV<sub>spont</sub>, leakNIV
- P<sub>min</sub>, P<sub>plat</sub>, P<sub>mean</sub>, P<sub>peak</sub>, PEEP
- f<sub>total</sub>, f<sub>spont</sub>
- Waveform: P-t, F-t, V-t, CO<sub>2</sub>-t
- Loops: F-P, P-V, F-V



## Part of optional components

- Extended battery for 2 hours backup
- etCO<sub>2</sub> module
- Paramagnetic oxygen sensor

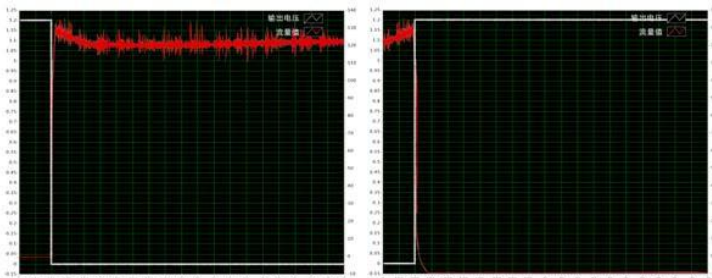
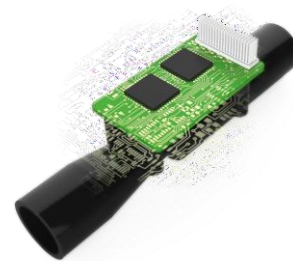




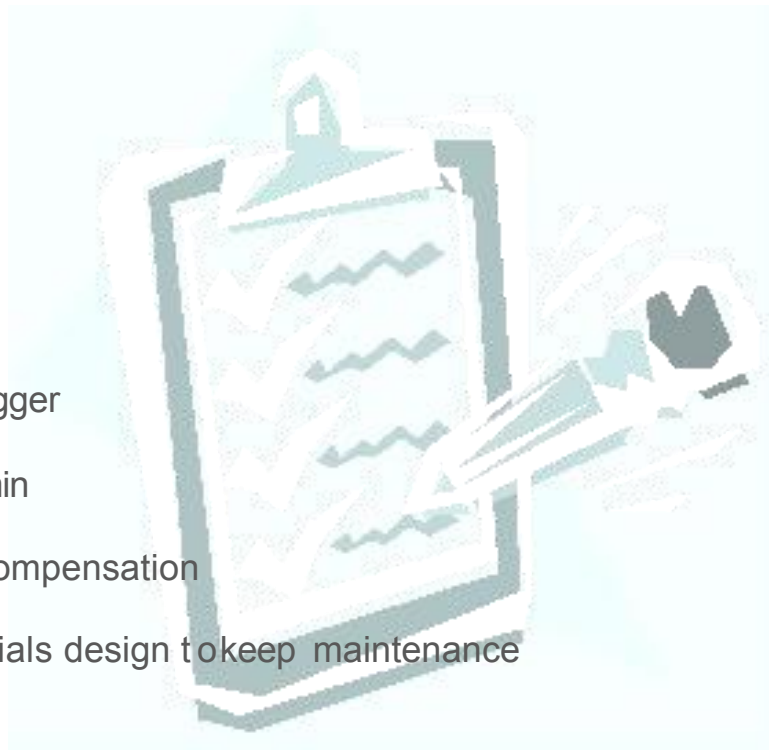
## Special Design



- 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 60 L/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 ETCO<sub>2</sub> monitor

