

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

HQ: No.4 Hangfeng Road, Fengtai Science Park, Fengtai District, Beijing, China (100070)
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Information contained in this leaflet is correct at the date of publication. The policy of Beijing Aeonmed Co., Ltd. is one of continued improvements to its products. Because of this policy Beijing Aeonmed Co., Ltd. reserves the right to make any changes, which may affect the information in this leaflet without giving prior notices.

AVT70-1708

AEOMED
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



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

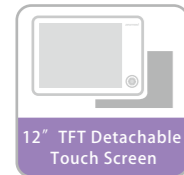
- Various ventilation modes enhance the weaning process
- The unique trigger and leakage compensation system safeguards each and every patient breath resulting in smooth and comfortable breathing, avoiding extra workload on the patient and promoting recovery
- RSBI and WOB provide accurate reference for weaning

Rehab Phase

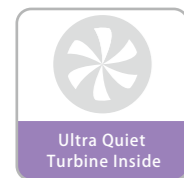
- Data export port provides connection to hospital monitors and Patient Data Management Systems
- Provides pressure support for the patient when spontaneous breathing is present



360° Visible Alarm Lamp



12" TFT Detachable Touch Screen



Ultra Quiet Turbine Inside



Integrated Power Supply Solution



Built-in Battery, With Extended Backup Option



VG70

有创通气与无创通气的

完美结合

VG55

大无创
真舒畅



新冠肺炎 呼吸机辅助治疗

对于重型、危重型患者是最有效的呼吸支持手段

截止2020-02-10 08:00 全国数据统计

较昨日+3073 40235 确诊	较昨日+4008 23589 疑似	较昨日+296 6484 重症	较昨日+97 909 死亡	较昨日+632 3283 治愈
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在确诊患者病例中重症患者达到**6484**例

哀悼武汉疫情死难者，致敬全国抗疫一线医护！

重症、危重症病人 呼吸支持治疗难点在哪里？

2月4日15时，国家卫健委召开新闻发布会，在回答香港无线台记者就香港一名39岁新型冠状病毒死亡中表示称，确实可能存在青壮年患病后病情急速发展，在短短的几个小时内急速恶化，且难以救治，最终死亡的情况。

对此，《新型冠状病毒感染的肺部炎症诊疗方案（试行第5版）》强调：

- 当患者接受标准氧疗后呼吸窘迫或低氧血症无法缓解时，可考虑使用高流量鼻导管氧疗或无创通气。
- 若短时间内（1-2小时）内病情无改变甚至恶化，应当及时进行气管插管和有创机械通气。
- 同时对于重症ARDS患者，建议进行肺复张。

数据来源

丁香园.丁香医生新型冠状病毒感染肺炎疫情实时动态
国家卫健委2月4日15时新闻发布会

新冠肺炎 呼吸机辅助治疗

如何帮助医护人员挽救更多患者

从无创-有创-无创 提供全方位治疗手段

- 从轻症患者的**无创通气**治疗,再到重症患者或无创通气不耐受患者的**有创通气**治疗,一台呼吸机全部解决。
- **减少医务人员**因为更换机器带来的设备消毒等工作量,同时也可以避免更换机器带来的病人间交叉感染。

独特的屏机分离技术 方便医护人员操作



- 显示器屏幕可以与气路平台完全分离,方便医护人员操作,同时在操作过程中可以增加与患者的距离,保证医护人员的安全。
- 可以做到真正做到**专机专用**,最大程度的降低院内交叉感染的几率。

摆脱气源依赖 转运更安全



当患者需要进行相关影像学检查时,可以承担患者转运途中的呼吸支持工作。对于此次疫情需要转运评估治疗效果的患者可以做到安全快捷的转运。

具备肺复张工具 满足严重ARDS患者治疗需要

对于急性呼吸窘迫综合征的患者可以帮助其复张“湿区”的肺泡,同时单次有效的设计可以避免“干区”肺泡的过度膨胀,对临床医生治疗患者起到帮助作用。

呼吸力学测量 让患者肺“一目了然”

VG70呼吸机可以为患者进行相关肺功能测量,为评估患者治疗效果提供一定的帮助,保证医生能够更好的制定患者治疗方案及机械通气方案。





历经考验 精益求精

Shangrila590P融合智能的操作方式,带给客户更完美的操作体验;更舒适的通气模式,让患者获得更多的通气保护与支持;独具特色的免维护气路设计,更能有效降低客户使用和维护成本。

- 12.1"高清彩色触摸显示屏+飞梭旋钮双操作模式,轻松完成参数设置;
- 高精度的20~2500mL宽范围潮气量控制技术,带给成人与小儿患者更多通气保障;
- 一体化恒温主动式呼气阀技术,非耗材设计,杜绝隐性成本;
- 有创与无创通气类支持,实现完美的序贯通气;
- 智能的PRVC、BIVENT通气模式,提供有效肺保护策略,具有更好的人机同步协调性和通气舒适度;
- 丰富的临床实用工具:同步雾化、吸/呼气保持、智能增氧;
- 实用的波形工具、呼吸环、肺功能测量工具,时刻关注患者病情发展;
- 360度全景报警显示,提供实时监控与保护。

完善的参数监测和事件记录

参数
监测

事件
记录

肺功能
测量

Patient data 1

Ppeak cmH ₂ O	10.8	VTI mL	568	Itotal bpm	16
Pplat cmH ₂ O	11.0	VTe mL	670	Ispont bpm	0
PEEP cmH ₂ O	0.2	MV L	10.9	C mL/cmH ₂ O	53.5
Pmean cmH ₂ O	2.9	MVspont L	0	Itotal bpm	0
O ₂ cmH ₂ O	55	I:E	1:2.75	Itotal bpm	1.0

Exit

Alarm Log

02.04.2013	9:14	O ₂ supply down	!!!
02.04.2013	9:14	Air supply down	!!!
02.04.2013	9:14	Air & O ₂ supply down	!!!
02.04.2013	9:14	O ₂ supply down	!!!
02.04.2013	9:14	Air supply down	!!!
02.04.2013	9:14	Air & O ₂ supply down	!!!
02.04.2013	9:14	Air & O ₂ supply down	!!!
02.04.2013	9:14	O ₂ supply down	!!!
02.04.2013	9:14	Air supply down	!!!
02.04.2013	9:14	Air & O ₂ supply down	!!!

Mode: PRVC New: 95 1/100

MV	10.9	Itotal	16	PEEP	0
VTe	627	O ₂	55	Ppeak	10

Use "Browse" to check details

Clear Log Browse Exit

Lung mechanics

Compliance

Resistance

AutoPEEP

Last measurement:

Time 10:32

Time 2014.07.28

R 32 cmH₂O/S

Start Cancel

Exit

实用的临床干预工具

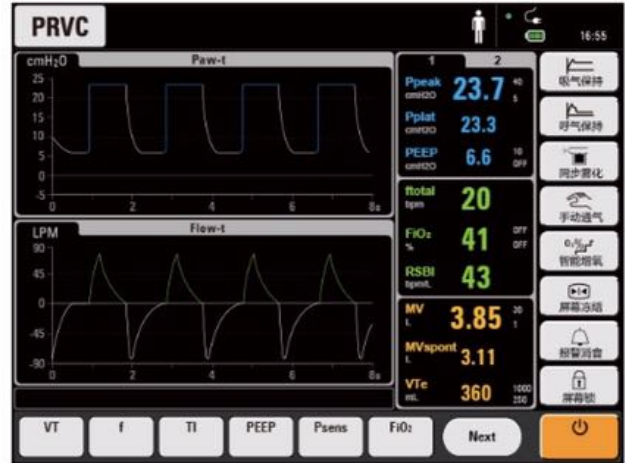
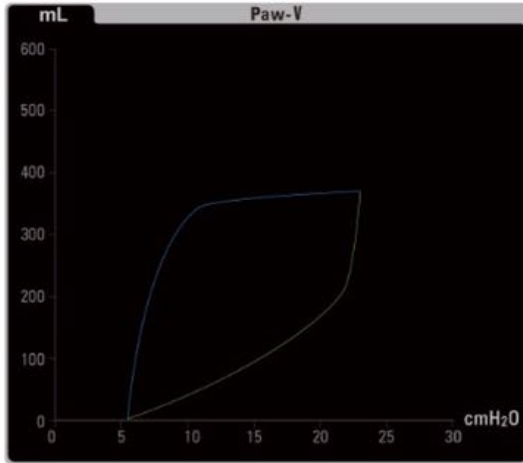
吸/呼
气保持

同步
雾化

智能
增氧

波形
冻结

波形与
环形工具

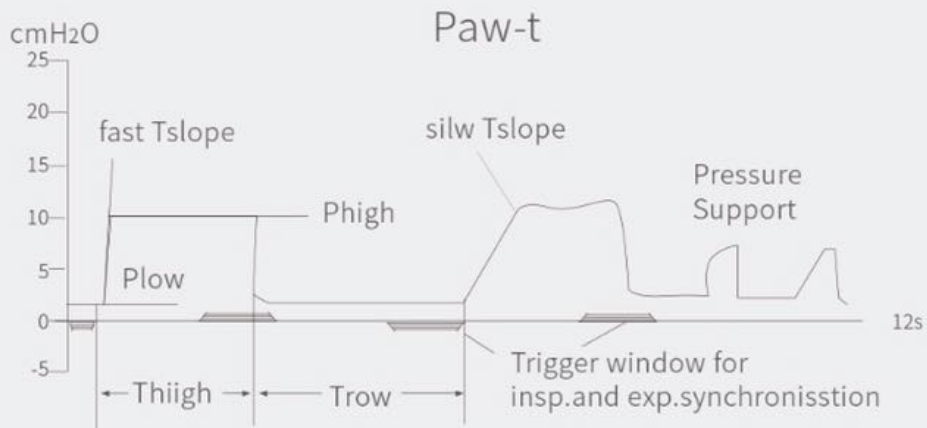


智能通气模式与精准目标控制

小潮
气量

有创
无创

PRVC
BIVENT





Shangrila590P

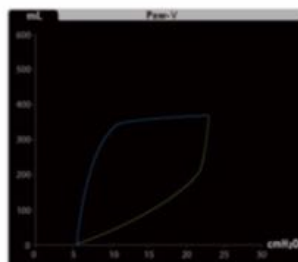


- The Shangrila590P ventilator ensures reliable, safe and high quality ventilation. 590P delivers excellent ventilation for both pediatric and adult patients
- 12.1" TFT touch color screen with navigation knob provide intuitive interface

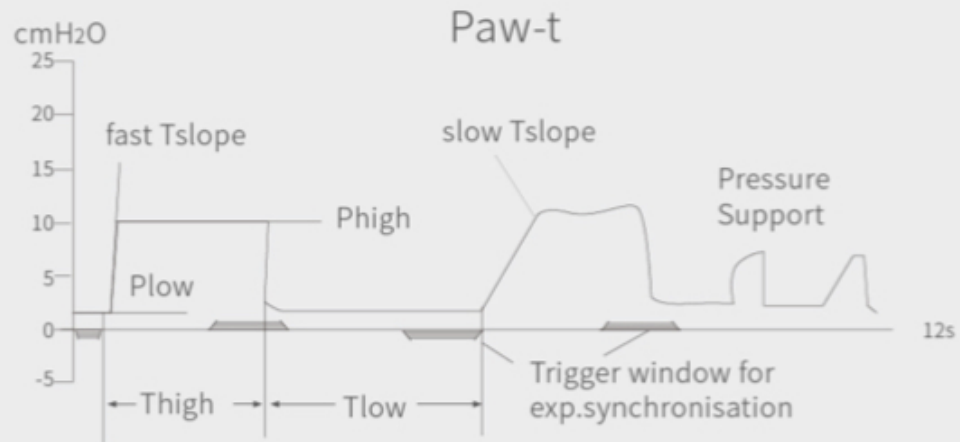
- Detachable screen reduces the possibility of cross-infection



- Both Invasive & Non-invasive ventilation modes cover all types of patients need
- Supports external communication
RS232 port enables external communication



- Built-in flow sensor, non-consumable, low maintenance cost
- Durable integrated exhalation valve, easy to sterilize





Benannt durch/Designated by
Zentralstelle der Länder
für Gesundheitsschutz
bei Arzneimitteln und
Medizinprodukten
www.zfg.de
ZLG-BS-244.10.08



Product Service

EC Certificate

Full Quality Assurance System

Directive 93/42/EEC on Medical Devices (MDD), Annex II excluding (4)
(Devices in Class IIa, IIb or III)

No. G1 065725 0019 Rev. 01

Manufacturer:

Beijing Aeonmed Co., Ltd.

Room 405
Basement 1 to 4th Floor of 901 Unit
Building 9, No.26 Outer Ring West Road
Fengtai District
100070 Beijing
PEOPLE'S REPUBLIC OF CHINA

EC-Representative:

**Shanghai International Holding Corp. GmbH
(Europe)**

Eiffestraße 80, 20537 Hamburg, GERMANY

**Product Category(ies): Anaesthetic Workstation, Vaporizer,
Ventilator, Medical Air Compressor,
Infusion Pump, Ceiling Pendant,
Multi-Parameter Patient Monitor,
Videoscope System, Patient Warming
System.**

The Certification Body of TÜV SÜD Product Service GmbH declares that the aforementioned manufacturer has implemented a quality assurance system for design, manufacture and final inspection of the respective devices / device categories in accordance with MDD Annex II. This quality assurance system conforms to the requirements of this Directive and is subject to periodical surveillance. For marketing of class III devices an additional Annex II (4) certificate is mandatory. See also notes overleaf.

Report No.:

BJ19859044

Valid from:

2019-07-16

Valid until:

2022-05-03

Date, 2019-07-16

Stefan Preiß
Head of Certification/Notified Body

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFICAT

A4 / 07.17

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 ZERTIFIKAT ◆ CERTIFICATE ◆ 認證書 ◆ CERTIFICADO ◆ CERTIFICAT



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Facility(ies):

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 REPUBLIC OF CHINA





CCTV 13
新闻

YOUKU



00:29



03:47

新闻联播
XINWEN LIANBO

中央指导组专家组成员 北京朝阳医院副院长 童朝晖
要精确到每分钟的量 每小时的量



倍速 智能

360P



CCTV 13
新闻

YOUKU


新闻联播
XINWEN LIANBO

