



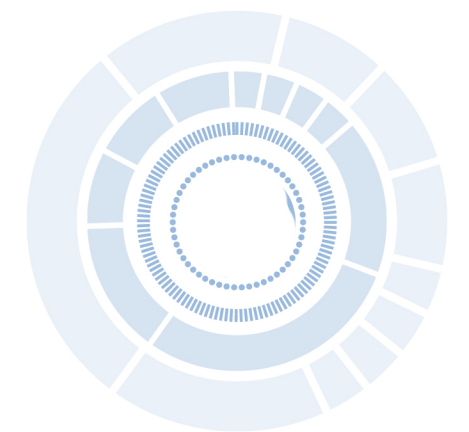
Golden Bridge Precision Machinery



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金桥通智慧医疗

Golden Bridge Wisdom Medical



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济南金桥通精密机械有限公司
Jinan Golden Bridge Precision Machinery Co., Ltd



两项重要发明专利
Two important
invention patents

2

团队由30余年的高
级工程师掌舵
The team is led by
senior engineers
with over 30 years
of experience

30

40

40多项
实用新型技术专利
More than 40 patents
for the use of new
technologies

60

60多个
科技孵化中心与服务网点
More than 60 technology
incubation centers and
service stations

技术研发优势 Advantages of research and development

医用气体分为正压气体和负压气体两类,其中正压气体包括氧气、压缩空气等7种常用气体;负压气体主要是采用真空技术吸除患者体内的痰、血脓及其他污物。医用气体普遍应用于手术室、抢救室、监护室、住院病房和口腔科等临床科室。

作为生命支持系统的重要组成部分,医用气体对病人的救治起着关键的作用。近年来,随着人们对生命健康的日益关注,国家有关部门对医用气体的监管也越来越严格。



雅之雷德以守护患者的生命安全为己任,始终把安全作为产品研发的首要目标。

我们联合了医用气体工程的设计方、施工方;医用气体管道、设备带等相关产品的生产方;以及使用医用气体的一线医护人员;与之广泛开展各类合作,力求从各个环节不断完善产品、提升服务,为各类医疗和养老机构提供更安全的医用气体气源设备。



Medical gases are divided into two categories: positive pressure gases and negative pressure gases. Positive pressure gases include seven commonly used gases such as oxygen and compressed air. Negative pressure gases mainly use vacuum technology to remove phlegm, blood pus, and other pollutants from the patient's body. Medical gases are widely used in clinical departments such as operating rooms, emergency rooms, monitoring rooms, inpatient wards, and dentistry.

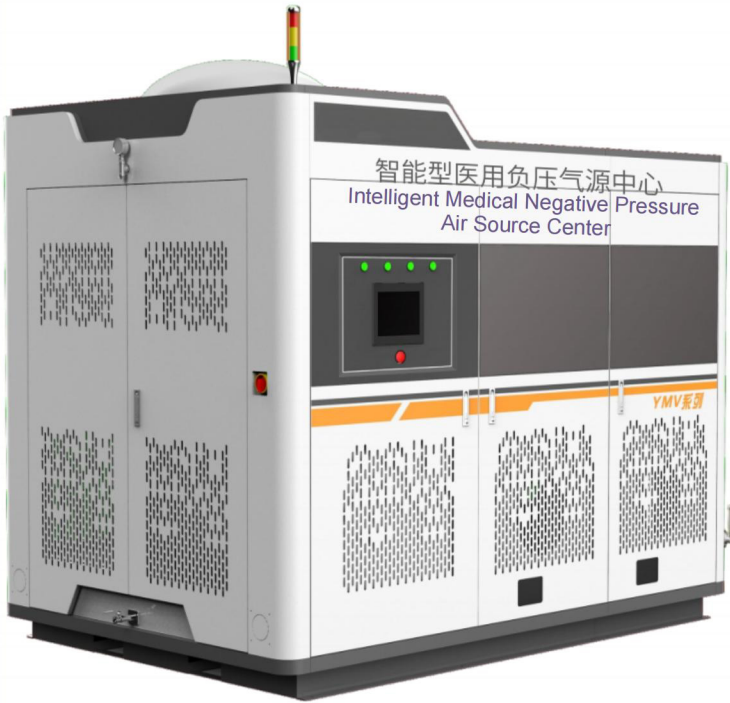
As an important component of the life support system, medical gases play a crucial role in the treatment of patients. In recent years, with people's increasing attention to life and health, relevant national departments have become increasingly strict in regulating medical gases. Yazhileide takes the responsibility of safeguarding the safety of patients and always regards safety as the primary goal of product development.

We have collaborated extensively with the design and construction parties of medical gas engineering, as well as the production parties of medical gas pipelines, equipment belts, and other related products, as well as frontline medical staff who use medical gas. We strive to continuously improve products and services from various aspects, and provide safer medical gas source equipment for various medical and elderly care institutions.

医用真空负压气源设备

Medical Vacuum Negative Pressure Gas Source Equipment

型号齐全，选型方便，适合各类医院、牙科、医美、养老院等医疗机构使用。
There are numerous models and convenient selection, suitable for use in various medical institutions such as hospitals, dentists, medical aesthetics, nursing homes, etc.



柔性管路

防止变形、位移、破裂



Flexible Pipeline
Prevent deformation, displacement, and rupture

泵冗余设计

真空气源供应可靠
能耗低



Pump Redundancy Design
Reliable vacuum air supply with low energy consumption

Low noise
Fast heat dissipation



降噪减热
噪音低
散热快

Distributed installation
Unrestricted by venue



灵活布局
分布式安装
不受场地限制

All designs prioritize
safety



安全可靠
所有设计都以
安全为中心

AI intelligence makes
monitoring and alarm
simpler



操作便捷
AI智能让监控
和报警更简单

Easy replacement of
components



易于维护
轻松更换
零部件

智能化控制

Intelligent control

- 医用真空自动控制系统。
 - 总PLC模块和子模块保证机组正常运行。
 - 彩色触摸屏实时显示机组运行的各项数据和报警信息。
 - 可设定机组的各项运行参数。
- Medical vacuum automatic control system.
 - The main PLC module and sub modules ensure the normal operation of the unit.
 - The color touch screen displays real-time data and alarm information of the unit's operation.
 - Various operating parameters of the unit can be set.

完善的报警功能

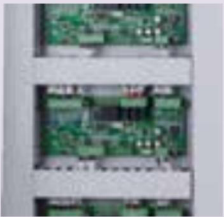
Convenient and complete alarm

- 本地声光报警。
 - 远传至气源报警系统。
 - 网络上传至医用气体报警监测中央管理系统。
- Local sound and light alarm.
 - Remote transmission to the gas source alarm system.
 - Upload online to the central management system for medical gas alarm monitoring.

安全可靠的系统

SaFe and reliable system

- 每台真空泵设有独立电路系统。
 - 完全冗余设计。
 - 具有断电恢复自启动功能。
- Each vacuum pump is equipped with an independent circuit system.
 - Completely redundant design.
 - It has the function of power-off recovery and self starting.



[PLC控制系统]
[PLC control system]



[主页面]
[Main page]



[真空设置界面]
[Vacuum Settings Page]



[运行时间界面]
[Run time interface]



[机组操作信息界面]
[Unit operation information interface]



[报警信息界面]
[Alarm information interface]



[报警记录界面]
[Alarm Records Interface]

可用于：伤口排污、辅助伤口闭合、胸肺排污、手术排污、洗胃、清洗气管、收集其它液体等。
Applications: wound drainage, assisted wound closure, chest and lung drainage, surgical drainage, gastric lavage, tracheal cleaning, collection of other liquids, etc

医用油润旋片式真空机组

Medical Vacuum Plant Based On
Oil-less Claw Vacuum Pump

产品优势

Product advantages

- 一体化撬装式设计，模块化拼接。●Integrated skid-mounted design, customized shape.
- 运行稳定、不受温度、季节影响。●The operation is stable and not affected by temperature and season.
- 节能环保、无需用水。●Energy saving, environmental protection and water consumption.
- 高海拔地区依然运行流畅。●The high collar area is still running smoothly.
- 选型方便、型号齐全。●Easy selection and complete styles.
- 智能监控、报警系统。●Intelligent monitoring and alarm system.
- 后期维护简单。●Upgrade and maintenance are simple.



YMVR-7.5Q

Central negative pressure overall
solution suitable for all types of
medical institutions

适合各类医疗机构的
中心负压整体解决方案



医用油润旋片式真空机组技术参数

Medical Vacuum Plant Based On
Oil-less Claw Vacuum Pump

型号 Model	系统功率 (m³/h) System Power	系统抽速 (m³/h) System Pumping Speed	触摸屏 (Inch) Touch Screen	备注: 1)机组在环境温度 0~40℃下运行，特殊环 境温度要求请联系工厂。	Remark: 1) The unit operates at an ambient temperature of 0~40℃. Please contact the factory for special ambient temperature requirements.
JMVR-3.0D	3*2	100	7	2)所有抽速计算不含备 用设备，在吸气真空压 力60KPA下测得并换算 成大气压的数值。	2) All pumping speed calculations do not include backup equipment and are measured at a suction vacuum pressure of 60kPa and converted to atmospheric pressure.
JMVR-5.5D	5.5*2	200	7	3)内置储气罐常规配 置为200L、300L、50 0L、1000L、2000L， 3000L， 其它规格可根据客户 具体用途和要求选配 不同的容积，具体请 咨询厂家。	3) The conventional configurations of built-in gas storage tanks are 200L, 300L, 500L, 1000L, 2000L, and 3000L. Other specifications can be configured with different volumes according to the customer's specific uses and requirements. Please consult the manufacturer for details.
JMVR-7.5D	7.5*2	300	7	4) “真空泵数量”和 “电机总功率”配置 为常规配置，其它配 置请咨询厂家。	4) The "number of vacuum pumps" and "total motor power" configurations are conventional configurations. For other configurations, please consult the manufacturer.
JMVR-3.0T	3*3	200	7	5) 更多型号可根据客户 要求加工制造。	5) More models can be processed and manufactured according to customer requirements.
JMVR-5.5T	5.5*3	400	7		
JMVR-7.5T	7.5*3	600	7		
JMVR-3.0Q	3*4	300	10		
JMVR-5.5Q	5.5*4	600	10		
JMVR-7.5Q	7.5*4	900	10		

智能型医用无油旋齿式真空机组

Medical Vacuum Plant Based On Oil-less Claw Vacuum Pump



- 维护成本低--1年或3000小时保养间隔。
 - 运行成本低 --无水、无油、省电(高效变频驱动)。
 - 高温排气灭菌--排气温度可达120--150C°。
 - 安全环保、无二次污染。
- Low maintenance cost - maintenance interval of 1 year or 3000 hours.
- Low operating cost - waterless, oil-free, energy-saving (high-efficiency variable frequency drive).
- high-temperature exhaust sterilization - exhaust temperature can reach 120-150 ° C.
- Safe and environmentally friendly, with no secondary pollution.

医用无油螺杆式真空机组

Medical Vacuum Plant Based On Oil-less Claw Vacuum Pump



- 抽速快，噪音低，耗电少。
 - 更适合传染病医院使用。
 - 干式无油，高温排气灭菌。
- Fast pumping speed, low noise, and low power consumption.
- More suitable for use in infectious disease hospitals.
- Dry oil-free, high-temperature exhaust sterilization.

医用无油旋齿式真空机组技术参数

Medical Vacuum Plant Based On Oil-less Claw Vacuum Pump

型号 Model	系统功率 (m³/h) System Power	系统抽速 (m³/h) System Pumping Speed	触摸屏 (Inch) Touch Screen	备注: 1)机组在环境温度0~40℃下运行, 特殊环境温度要求请联系工厂。	Remarks: 1) Unit at ambient temperature Operating at 0~40 °C, please contact the factory for special environmental temperature requirements.
JMVC-3.0D	3*2	100	7		
JMVC-4.0D	4*2	180	7		
JMVC-5.5D	5.5*2	250	7		
JMVC-7.5D	7.5*2	360	7		
JMVC-3.0T	3*3	200	7		
JMVC-4.0T	4*3	360	7		
JMVC-5.5T	5.5*3	500	7		
JMVC-7.5T	7.5*3	720	7		
JMVC-3.0Q	3*4	300	10		
JMVC-4.0Q	4*4	540	10		
JMVC-5.5Q	5.5*4	750	10		
JMVC-7.5Q	7.5*4	1080	10		

医用无油螺杆式真空机组技术参数

Medical Vacuum Plant Based On Oil-less Claw Vacuum Pump

型号 Model	系统功率 (m³/h) System Power	系统抽速 (m³/h) System Pumping Speed	触摸屏 (Inch) Touch Screen	备注: 1)机组在环境温度0~40℃下运行, 特殊环境温度要求请联系工厂。	Remarks: 1) Unit at ambient temperature Operating at 0~40 °C, please contact the factory for special environmental temperature requirements.
JMVE-4.0D	4*2	110	7		
JMVE-5.5D	5.5*2	150	7		
JMVE-7.5D	7.5*2	280	7		
JMVE-4.0T	4*3	220	7		
JMVE-5.5T	5.5*3	300	7		
JMVE-7.5T	7.5*3	560	7		
JMVE-4.0Q	4*4	330	10		
JMVE-5.5Q	5.5*4	450	10		
JMVE-7.5Q	7.5*4	540	10		

真空排气灭菌器

Technical parameters of sterilizer



- 颠覆性的四步灭菌法。
 - 负压运行，气体不会漏到机房。
 - 操作简单、无二次污染、无耗材。
 - 与真空泵联动，效率高、运行费用低。
 - 模块化内部结构设计，易于维护。
 - 可将废气中的有害物质全部转化为CO2、H2O等无害物质。
 - 光量子离子+紫外光催化双重技术保障，高净化效率。
- Disruptive four step sterilization method.
●Negative pressure operation ensures that gas does not leak into the computer room.
●Easy to operate, no secondary pollution, and no consumables.
●Linkage with vacuum pump, high efficiency and low operating costs.
●Modular internal structure design, easy to maintain.
●It can convert all harmful substances in exhaust gas into harmless substances such as CO2 and H2O.
●The dual technology of photon ion+ultraviolet photocatalysis ensures high purification efficiency.

不锈钢除菌过滤器

Stainless steel sterilizing Filter



桶型系列 Barrel Series



杯型系列 Cup Series

- 304不锈钢材质，无卫生死角，无二次污染，不滋生细菌。
 - 滤芯采用疏水型聚四氟(PTFE)经过气泡点检测合格，过滤精度≥99.9%,完全满足负压排气要求。
 - 经过第三方检测，满足FDA标准，达到食品级要求。
 - 双联过滤器设计，满足冗余要求。
- 304 stainless steel material, no hygiene dead corners, no secondary pollution, and no breeding of bacteria.
●The filter element adopts hydrophobic polytetrafluoroethylene (PTFE) and has passed bubble point detection, with a filtration accuracy of>99.9%, fully meeting the requirements of negative pressure exhaust.
●After third-party testing, it meets FDA standards and meets food grade requirements.
●The dual filter design meets several requirements.

真空排气灭菌器技术参数

Technical parameters of sterilizer

型号 Model	处理风量 Processing air volume	外形尺寸 External dimensions L*W*H(mm)	进出口径 The diameter of the inlet and outlet (mm)	反应停留 Reaction retention (S)	电源 Power supply (50Hz)	设备风阻 Equipment wind resistance (Pa)	
GZZ-25X	250	720x600x1300	DN50/DN65	2~4	220V	≤150pa	1.3
GZZ-55X	550	970x800x1500	DN65/DN80	2~4	380V	≤150pa	3.0
GZZ-80X	800	970x800x1800	DN80/DN100	2~4	380V	≤150pa	4.3
GZZ-120X	1200	970x800x2200	DN100/DN125	2~4	380V	≤150pa	6.1

除菌过滤器技术参数

Technical parameters of sterilizing Filter

	型号 Model	参考接口 Reference interface	流量处理 Flow processing (m³/h)	流量处理 Flow processing (m³/min)
杯型系列 Cup Series	QFCJ-500/DN100	DN 100	500	8.3
	QFCJ-400/DN80	DN 80	400	6.7
	QFCJ-280/DN65	DN 65	280	4.7
	QFCJ-230/DN65	DN 65	230	3.83
	QFCJ-165/DN50	DN 50	165	2.75
	QFCJ-110/DN40	DN 40	110	2.8
	QFCJ-90/DN25	DN 25	90	1.35
桶型系列 Barrel Series	JMGL-10-1	DN 25	150	2.5
	JMGL-10-3	DN 40	300	5
	JMGL-10-5	DN 40	400	6.6
	JMGL-20-5	DN 50	500	8.3
	JMGL-20-7	DN 50	600	10

智能型医用压缩空气中心

Intelligent medical positive pressure air source center



完美的设计

Perfect design

- 一体化撬装式设计，整机集成，单点连接。
- 储气罐同侧旁通，法兰连接密封，便于维修，增强设备气密性。
- 进气口、出气口柔性连接。
- 双路减压装置。
- Integrated lever mounted design, complete machine integration, single point connection.
- The gas storage tank is bypassed on the same side and sealed with a flange connection, making it easy to maintain and enhancing the airtightness of the equipment.
- Flexible connection between air inlet and air outlet.
- Dual pressure reducing device.

[同侧旁通结构，法兰连接密封]
[Same side bypass structure, flange connection sealing.]



[无损排水装置]
[Non destructive drainage device]



节能高效

High efficiency

- 露点再生功能。
- 无损排水装置。
- Dew point regeneration function.
- Non destructive drainage device.

智能化控制

Intelligent control

- 医用空气压缩机组自动控制。
- 断电恢复自启动功能。
- PLC控制空压机按先启先停自动交替工作。
- Automatic control of medical air compressor unit.
- Power off to restore self start function.
- The PLC controls the air compressor to automatically alternate between start and stop.



[压力监测双保险]
[Pressure detection dual safety]

友好的操作界面

Friendly operation interFace

- 彩色触摸屏、显示各项运行数据、设定各项运行参数。
- Color touch screen, displaying various operating data, and setting various operating parameters.



[主页面]
[Main page]



[参数设置界面]
[Parameter settings page]



[模式选择界面]



[运行状态界面]
[Running status interface]

完善的报警功能

Perfect alarm function

- 声光报警、报警内容本地展示、报警内容远程展示。
- Sound and light alarm, local display of alarm content, and remote display of alarm content.



[报警记录界面]
[Alarm Record Interface]



[报警信息界面]
[Alarm information interface]

高品质医用空气的保障

Guarantee of high quality medical air

- 医用吸附式干燥机确保常压露点温度低于-20℃。
- 三级过滤系统，确保油、尘过滤高标准。
- 压力监测双保险、后冷却处理器。
- 每台空压机具有独立电路系统。
- 完全冗余设计。
- 选配一氧化碳浓度监测仪。
- The medical adsorption dryer ensures that the atmospheric dew point temperature is below -20 ° C.
- A three-level filtration system ensures high standards of oil and dust filtration.
- Pressure monitoring dual safety, post cooling processor.
- Each air compressor has an independent circuit system.
- Completely redundant design.
- Optional carbon monoxide concentration monitor.



医用吸附式干燥机组
Medical adsorption
drying unit



医用吸附式干燥机
Medical air desiccant dryer

- 医用空气质量好坏主要取决于压缩空气的后处理，
医用吸附式干燥机能够保证提供无油无菌，无尘干燥的高品质医用空气。
- The quality of medical air mainly depends on the post-treatment of compressed air. Medical adsorption dryers can ensure the provision of high-quality medical air that is oil-free, sterile, and dust-free.

完美的设计
Perfect design

- 阳极氧化铝块内置管路。
- 蝶形法兰连接。
- Anodized aluminum block with built-in pipeline.
- Butterfly flange connection.

节能高效
High efficiency

- 压力露点再生控制。
- 双级过滤系统。
- Pressure dew point regeneration control.
- Dual stage filtration system.



[露点传感器, 双路减压装置
[Dew point sensor, dual pressure reducing device.]



[蝶形法兰连接]
[Butterfly flange connection]



医用吸附式干燥机技术参数

Medical Air
Desiccant Dryer

型号 Model	单机功率 Single Machine Power (Kw)	系统流量 System flow (m³/min)	外形尺寸 Overall dimensions (mm)	重量 Weight (Kg)	备注:	Remark:
JMADD-15D	0.20	1.5	950*620*1250	120	1)最大进气温45°C,特殊进气温度要求请联系工厂。	1) The maximum inlet air temperature is 45°C. Please contact the factory for special inlet air temperature requirements.
JMADD-45D	0.20	4.5	1080*640*1300	180	2)所有流量计算不含备用设备,最大工作压力950kPa。	2) All flow calculations do not include backup equipment, and the maximum working pressure is 950kPa.
JMADD-70D	0.20	7.0	1100*660*1300	200		

医用气体汇流排

Medcal gas automatic manifold



完美的设计

Perfect desugb

- 独特的外形设计。
- 全自动切换功能。
- 停电不停气。
- Unique exterior design.
- Fully automatic switching function.
- Power outage without interruption.

友好的操作界面

Friendly operation interFace

- 10寸彩色的触摸屏,分辨率为1024*768.
- 可设置各项参数。
- 直观显示气瓶压力、输出压力、气瓶剩余百分比、续航时间、工作侧气瓶。
- A 10 inch color touch screen with a resolution of 1024 * 768
- Various parameters can be set.
- Visual display of cylinder pressure, output pressure, remaining percentage of cylinders, battery life, and working side cylinders.

完善的报警功能

PerFect alarm Function

- 本地声光报警。
- 可查询本地报警记录。
- 报警信号可远程传输。
- Local sound and light alarm.
- Local alarm records can be queried.
- Alarm signals can be transmitted remotely.

多样的选择

Multiple choices

- 医用气体汇流排可分为气瓶汇流排、低温液体气瓶汇流排。
- 适用多种气体（液氧、液氮、氧气、氮气、二氧化碳、氧化亚氮、氩气等），二氧化碳、氧化亚氮汇流排配置电加热器。
- Medical gas manifold can be divided into cylinder manifold and low-temperature liquid cylinder manifold.
- Suitable for various gases (liquid oxygen, liquid nitrogen, oxygen, nitrogen, carbon dioxide, nitrous oxide, argon, etc.), carbon dioxide and nitrous oxide busbars are equipped with electric heaters.



[气瓶汇流排主界面]
[Main interface of gas cylinder manifold.]



[低温液体气瓶汇流排主界面]
[Main interface of low-temperature liquid cylinder manifold]

医用无油活塞式压缩机组

Medical Air Plant Based On Oil-Free Piston Compressors



- 体积小，可灵活移动，不受场地限制；
- 气源供应可靠，能耗低；
- Small in size, flexible to move, not limited by the venue;
- Reliable gas supply and low energy consumption;

医用无油涡旋式压缩机组

Medical Air Plant Based On Oil-Free Scroll Compressors



- 新一代无油静音空压机；
- 压力高、振动低，寿命长；
- 结构简单、易于保养；
- New generation oil-free silent air compressor;
- High pressure, low vibration, and long service life;
- Simple structure and easy maintenance;

医用无油活塞式压缩机组技术参数

Medical Air Plant Based On Oil-Free Piston Compressors

型号 Model	系统功率 System power (kw)	系统流量 System flow (m³/min)	触摸屏 Touch screen (inch)	备注:	Remark:
JMAP-3.7D	3.7*2	0.46	7	1) 机组在环境温度0-40°C下运行,特殊环境温度要求请联系工厂。	1) The unit operates at an ambient temperature of 0-40°C. Please contact the factory for special ambient temperature requirements.
JMAP-5.5D	5.5*2	0.69	7		
JMAP-7.5D	7.5*2	0.94	7		
JMAP-3.7T	3.7*3	0.92	7	2) 所有流量计算不含备用设备,在排气压力0.4MPa下测得并换算成大气压的数值。	2) All flow calculations do not include backup equipment and are measured at an exhaust pressure of 0.4MPa and converted to atmospheric pressure.
JMAP-5.5T	5.5*3	1.38	7		
JMAP-7.5T	7.5*3	1.88	7		
JMAP-11T	11*3	2.74	7	3) 外形尺寸中尺寸分别为长*宽*高,其中“长”为面向控制柜显示屏方向。	3) The dimensions in the overall dimensions are length*width*height, where "length" refers to the direction facing the control cabinet display screen.
JMAP-3.7Q	3.7*4	1.38	10		
JMAP-5.5Q	5.5*4	2.07	10		
JMAP-7.5Q	7.5*4	2.82	10	※①、内置储气罐常规配置为300L,500L,其它规格请咨询厂家。	※. ①The conventional configuration of the built-in gas storage tank is 300L, 500L. Please consult the manufacturer for other specifications.
JMAP-11Q	11*4	4.11	10		
JMAP-5.5P	5.5*5	2.76	10		
JMAP-7.5P	7.5*5	3.76	10	②。“机组数量”及“单机功率”配置为常规配置,其它配置请咨询厂家。	②The "number of units" and "single machine power" configurations are conventional configurations. For other configurations, please consult the manufacturer.
JMAP-11P	11*5	5.48	10		
JMAP-5.5H	5.5*6	3.45	10		
JMAP-7.5H	7.5*6	4.70	10		
JMAP-11H	11*6	6.85	10		

医用无油涡旋式压缩机组技术参数

Medical Air Plant Based On Oil-Free Scroll Compressors

型号 Model	系统功率 System Power (kw)	系统流量 System Flow (m3/min)	触摸屏 Touch screen (inch)	备注:	Remark:
JMAS-3.7D	3.7*2	0.48	7	1) 机组在环境温度0-40°C下运行,特殊环境温度要求请联系工厂。	1) The unit operates at an ambient temperature of 0-40°C. Please contact the factory for special ambient temperature requirements.
JMAS-5.5D	5.5*2	0.71	7		
JMAS-7.5D	7.5*2	0.97	7		
JMAS-3.7T	3.7*3	0.96	7	2) 所有流量计算不含备用设备,在排气压力0.4MPa下测得并换算成大气压的数值。	2) All flow calculations do not include backup equipment and are measured at an exhaust pressure of 0.4MPa and converted to atmospheric pressure.
JMAS-5.5T	5.5*3	1.42	7		
JMAS-7.5T	7.5*3	1.94	7		
JMAS-11T	11*3	2.80	7	3) 外形尺寸中尺寸分别为长*宽*高,其中“长”为面向控制柜显示屏方向。	3) The dimensions in the overall dimensions are length*width*height, where "length" refers to the direction facing the control cabinet display screen.
JMAS-3.7Q	3.7*4	1.44	10		
JMAS-5.5Q	5.5*4	2.13	10		
JMAS-7.5Q	7.5*4	2.91	10	※①、内置储气罐常规配置为300L,500L,其它规格请咨询厂家。	※① The conventional configuration of the built-in gas storage tank is 300L, 500L. Please consult the manufacturer for other specifications.
JMAS-11Q	11*4	4.20	10		
JMAS-5.5P	5.5*5	2.84	10		
JMAS-7.5P	7.5*5	3.88	10	②。“机组数量”及“单机功率”配置为常规配置,其它配置请咨询厂家。	②The "number of units" and "single machine power" configurations are conventional configurations. For other configurations, please consult the manufacturer.
JMAS-11P	11*5	5.60	10		
JMAS-5.5H	5.5*6	3.55	10		
JMAS-7.5H	7.5*6	4.85	10		
JMAS-11H	11*6	7.00	10		

麻醉废气排放机组
Anesthetic Gas Scavenging System

- 一体化集成设计。
- 安装便捷、易于维护。
- 具体应用参数，详见参数表。
- 轻松实现正压、负压多种用途。
- 小巧灵活，节省空间，不受场地限制。
- 可用于麻醉废气回收，牙科压缩空气，牙科负压吸引等用途。

- Integrated design.
- Easy to install and maintain.
- Please refer to the parameter table for specific application parameters.
- Easily achieve multiple uses of positive and negative pressure.
- Compact and flexible, saving space, not limited by the venue.
- Can be used for anesthesia waste gas recovery, dental compressed air, dental negative pressure suction and other purposes.



麻醉废气排放机组技术参数

Anesthetic Gas Scavenging System

型号 Model	系统功率 System Power (kw)	系统抽速 System Pumping Speed (m3/h)	触摸屏 Touch Screen (inch)	备注: 1)抽速是指系统真空压力在12.5KPa时的抽速。 2)所有系统抽速计算不含备用设备。 ※机组数量及系统功率配置为常规配置，其他配置请咨询厂家。	Remark: 1) Pumping speed refers to the pumping speed when the system vacuum pressure is 12.5Kpa. 2) All system pumping speed calculations do not include backup equipment. ※The number of units and system power configuration are conventional configurations. Please consult the manufacturer for other configurations.
JMVAB-1.6D	1.6*2	118	7		
JMVAB-3.0D	3.0*2	205	7		
JMVAB-5.5D	5.5*2	370	7		

牙科电动抽吸系统技术参数

Dental Suction Unit

型号 Model	系统功率 System Power (kw)	系统抽速 System Pumping Speed (m3/h)	触摸屏 Touch Screen (inch)	备注: 1)抽速是指系统真空压力在12.5KPa时的抽速。 2)所有系统抽速计算不含备用设备。 ※机组数量及系统功率配置为常规配置，其他配置请咨询厂家。	Remark: 1) Pumping speed refers to the pumping speed when the system vacuum pressure is 12.5Kpa. 2) All system pumping speed calculations do not include backup equipment.
JMVDB-1.6D	1.6*2	118	7		
JMVDB-3.0D	3.0*2	205	7		
JMVDB-5.5D	5.5*2	370	7		

- 一体化撬装式设计，单点连接。
- 流量调节阀保证终端连接处的真空压力低于15Kpa。
- 机组配置两台全无油粗真空泵，一用一备。

●Integrated skid-mounted design, single point connection.
●The flow regulating valve ensures that the vacuum pressure at the terminal connection is lower than 15Kpa.
●The unit is equipped with two oil-free rough vacuum pumps, one for use and one for backup.

- 吸气口和排气口采用柔性连接。
- 有手动、停止和远程控制三种工作状态。
- 断电恢复自启动和远程控制功能。

●The suction port and exhaust port are flexibly connected.
●There are three working states: manual, stop and remote control.
●Power off recovery auto-start and remote control functions.

牙科电动空压机技术参数

Dental Compressing unit

型号 Model	系统功率 System Power (kw)	系统流量 System Flow (m3/min)	触摸屏 Touch screen (inch)	备注: 1)抽速是指系统真空压力在12.5KPa时的抽速。 2)所有系统抽速计算不含备用设备。 ※机组数量及系统功率配置为常规配置，其他配置请咨询厂家。	Remark: 1) Pumping speed refers to the pumping speed when the system vacuum pressure is 12.5Kpa. 2) All system pumping speed calculations do not include backup equipment. ※The number of units and system power configuration are conventional configurations. Please consult the manufacturer for other configurations.
JMADP-0.8D	0.8*2	0.13	7		
JMADP-1.6D	1.6*2	0.30	7		
JMADP-3.0D	3.0*2	0.52	7		
JMADP-6.25D	6.25*2	1.00	7		
JMADP-5.0Q	5.0*4	2.40	7		

- 为牙科工具提供动力。
- PLC自动控制系统。
- 声光报警。

●Power dental tools.
●PLC automatic control system.
●Audible alarm.

- 显示设备运行状态及报警内容。
- 网络模块将监测和报警信息上传至气源报警系统和医用气体报警监测中央管理系统。

●Display the equipment operating status and alarm content.
●The network module uploads monitoring and alarm information to the gas source alarm system and the medical gas alarm monitoring central management system.

医用分子筛制氧设备

Medical Psa Oxygen Plant

稳定可靠的制氧技术

Stable and reliable oxygen production technology

- PSA分子筛制氧技术。
- 能实现连续运行10万小时，使用寿命可达10年以上。
- 螺杆式空气压缩机，排气量大，能效高。
- PSA molecular sieve oxygen production technology.
- Can achieve continuous operation for 100000 hours, with a service life of over 10 years.
- Screw air compressor with large displacement and high energy efficiency.

全面的监测

Comprehensive monitoring

- 空气压力和露点温度监测模块。
- 氧气压力和流速监测模块。
- Air pressure and dew point temperature monitoring module.
- Oxygen pressure and flow rate monitoring module.

自动控制

Auto-Control

- 当氧气浓度低于90%,系统启动
 后备氧气汇流排供氧。
- When the oxygen concentration is below 90%, the system starts
 the backup oxygen manifold to supply oxygen.

完善的报警

PeiFect alarm

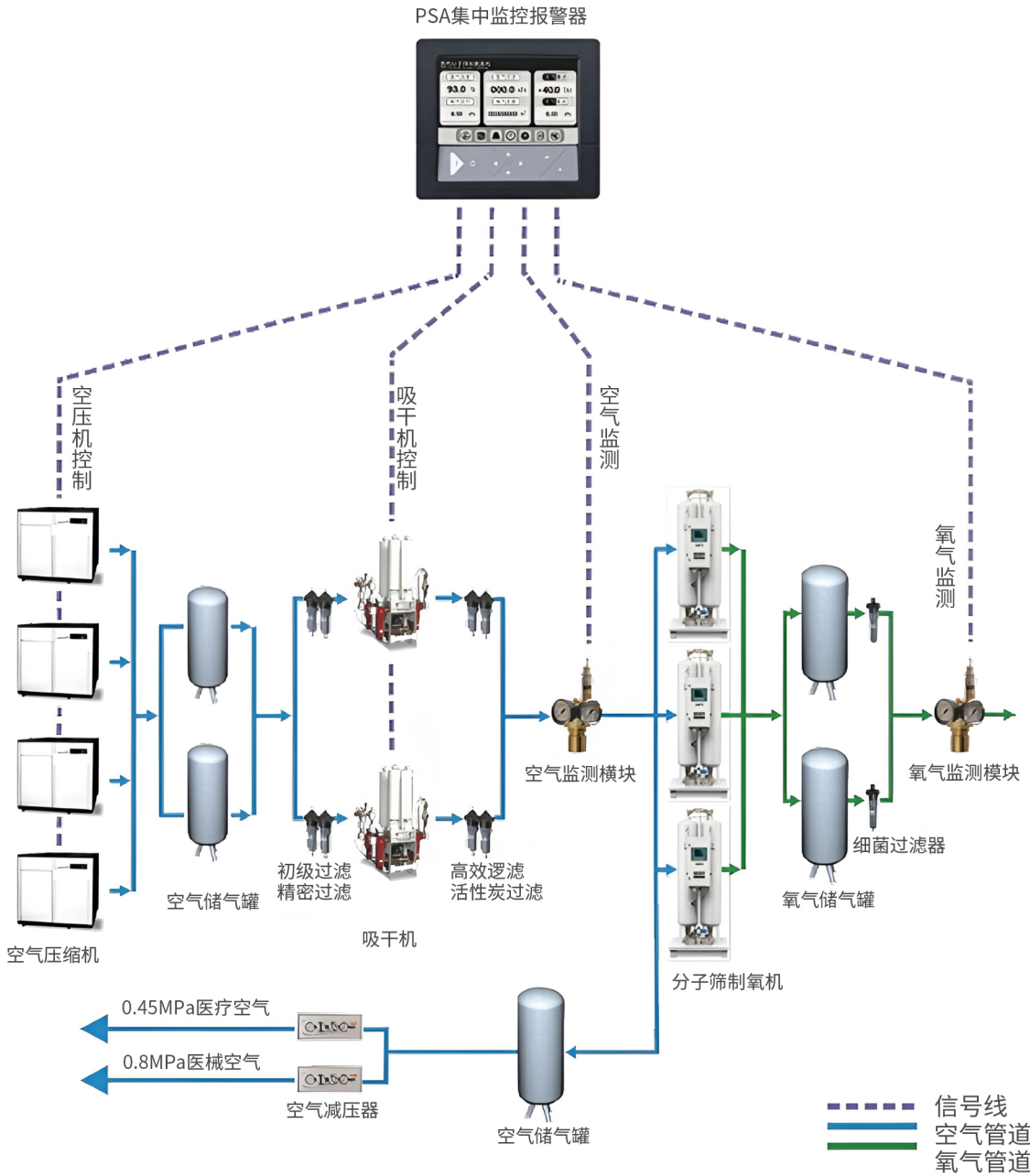
- 本地值超出设定范围时自动声光报警。
- 远传至气源报警系统。
- 网络模块将监测数据和报警信息通过网
 络远传至医用气体报警监测中央管理系统。
- Automatic sound and light alarm when the local value exceeds the set range.
- Remote transmission to the gas source alarm system.
- The network module will transmit monitoring data and alarm information to the central management system for medical
 gas alarm monitoring through the network.



[主页面]



[报警记录界面]



气源报警系统

Monitoring & Alarm System

齐全的监测功能

Complete monitoring Function

- 同时监测多种气源压力。
 - 能够监测多种气源设备及多路干接点信号。
 - 能接入其他4~20mA信号,如氧气流量计。
 - 监测液氧储槽液位、压力、气化器后氧气温度、氧气减压站输出压力。
- Simultaneously monitor the pressure of multiple gas sources.
●apable of monitoring multiple gas source equipment and multiple dry contact signals.
●Can connect to other 4-20mA signals, such as oxygen flow meters.
●Monitor the liquid level and pressure of the liquid oxygen storage tank, the temperature of oxygen after the gasifier, and the output pressure of the oxygen pressure reducing station.

美观的外形设计

Beautiful appearance design

- 圆弧形边框由CNC精雕而成,表面烤漆。
 - 面板表面拉丝阳极氧化处理。
 - 10寸彩色触摸屏,分辨率为1024*768。
- The arc-shaped frame is finely carved by CNC and has a surface painted.
●Surface drawing and anodizing treatment of the panel.
●10 inch color touch screen with a resolution of 1024 * 768

远程传输功能

Remote transmission Function

- 网络模块将监测数据和报警信息远传至医用气体报警监测中央管理系统。
- The network module will remotely transmit monitoring data and alarm information to the central management system for medical gas alarm monitoring.

完善的报警功能

Perfect alarm Function

- 声光报警。
 - 传感器线路诊断功能。
 - 断电恢复,报警自诊断功能。
 - 报警记录本地展示。
 - 监测数据超过设定值,本地声光报警。
- Sound and light alarm.
●Sensor circuit diagnostic function.
●Power outage recovery, alarm self diagnostic function.
●Alarm records are displayed locally.
●If the monitoring data exceeds the set value, a local sound and light alarm will sound.



医用气体报警监测中央管理系统 MGCMS

Gas Monitor & Alarm Central System

医用气体报警监测中央管理系统手机APP功能

Mobile APP Function of body alarm monitoring central management system

实时数据

Real-time data

- 监测带远传功能的气源设备和区域报警系统,保存所有数据。
- Monitor the gas source equipment and regional alarm system with remote transmission function, and save all data.

趋势图

Trend chart

- 可以查看某一时间段内气体压力变化。
- You can view the changes in gas pressure during a certain period of time.

报警记录

Alarm record

- 可以自动保存报警信息。
- Alarm information can be automatically saved.

数据导出

Data export

- 趋势图和报警记录支持数据导出。
- Trend charts and alarm records support data export.



[气源报警系统主界面]
[Main interface of gas source alarm system]



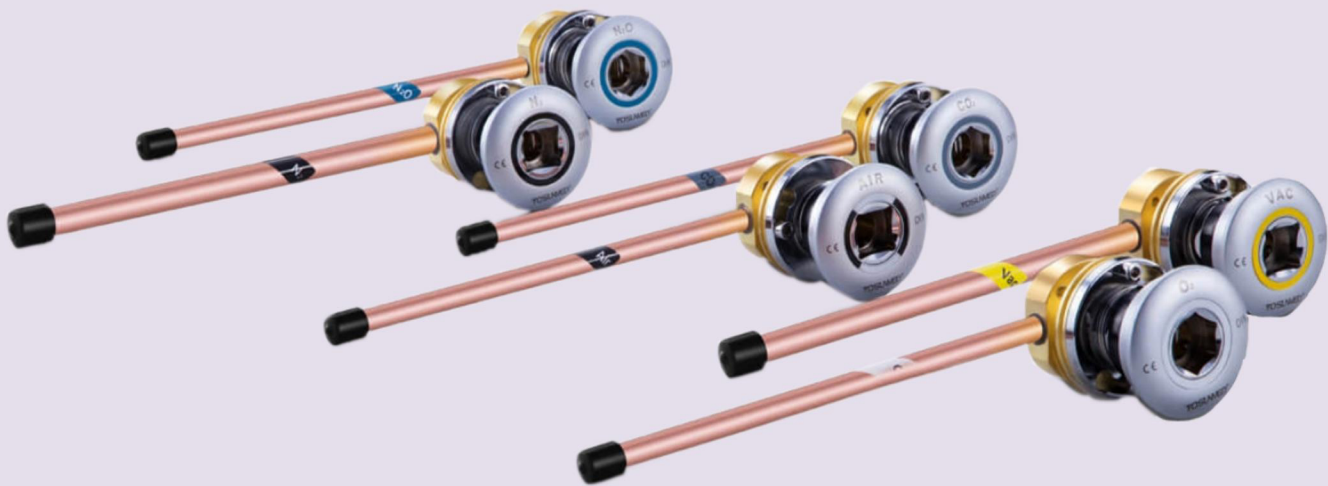
[参数设置界面]
[Parameter Setting Interface]



[报警记录界面]
[Alarm Record Interface]

医用气体终端

Medical Gas Outlet



- 全金属结构，经久耐用。
- 特制阀芯，带气维修。
- 多处气体标识，容易识别。
- 不同种气体的终端插头不可互换。
- 100%气密性测试。
- 可连续插拔2万次以上无故障。

- All metal structure, durable and long-lasting.
- Specially designed valve core for air repair.
- Multiple gas labels for easy identification.
- Terminal plugs for different gases are not interchangeable.
- 100% airtightness test.
- Can be plugged and unplugged continuously for more than 20000 times without any faults.



[特制阀芯，带气维修]
[Specially designed valve core, air repair]

[全金属结构]
[All metal structure]

射流式麻醉废气排放终端

Jet anesthesia exhaust terminal

- 文丘里射流原理设计。
- 工作指示器。
- 多种安装方式，适应墙式、面板式、内藏式等。
- ISO32颜色标准标识气体，识别清晰。

- 100%气密性测试。
- Design of Venturi jet principle.
- Work indicator.
- Multiple installation methods, suitable for wall, panel, concealed, etc.
- ISO32 color standard for gas identification, with clear identification.
- 100% airtightness test.



供氧系统氧气吸入器

Oxygen Therapy

- 主要作用是以合适的流速为急救病人给氧，供缺氧病人吸氧。
- 工作压力：0.2MPa~0.3MPa。
- 流量调节范围为1L/min~10L/min,误差为最大示值的±4%。
- 浮标式流量计。
- 自动排气安全阀。
- 流量调节阀。
- 潮化瓶。

- The main function is to provide oxygen to emergency patients at an appropriate flow rate and provide oxygen for oxygen deficient patients.
- Working pressure: 0.2MPa~0.3MPa.
- The flow regulation range is 1L/min~10L/min, with an error of 4% of the maximum indicated value.
- Float type flow meter.
- Automatic exhaust safety valve.
- Flow regulating valve.
- Moisturizing bottle.

快速接头

Medical Gas Outlet Adapter

- 插头采用黄铜材质，各种气体可选。
- 内腔单向阀设计，防止接头插拔时由于压力冲击，造成危害。
- 高强度塑料外壳，清晰的标签显示接头种类。

- The plug is made of brass material and various gases are available for selection.
- The design of the internal one-way valve prevents harm caused by pressure impact during connector insertion and removal.
- High strength plastic shell with clear labels indicating the type of joint.

负压引流器

Venturi Suction Regulator

- 用于临床各科室，主要用于医学引流、排痰、排污血及分泌物等。
- 使用真空压力在20kPa~75kPa范围值内可任意调节。
- 带有开关阀，即插即用。
- 360度可旋转压力表，轻松观察真空压力值。

- Used in various clinical departments, mainly for medical drainage, sputum discharge, blood discharge, and secretions.
- The vacuum pressure can be adjusted freely within the range of 20kPa~75kPa.
- Equipped with an on/off valve, plug and play.
- 360 degree rotatable pressure gauge allows for easy observation of vacuum pressure values.

管道设备

Pipeline equipment

医用气体阀门 Area Valve Service Unit

- PC面板。
- 优质脱脂铜球阀。
- 管道上进上出设计。
- 独特的金属模块设计。
- 阳极氧化处理铝合金边框。
- 气体管道有明显的颜色标识。
- PC panel.
- High quality degreased copper ball valve.
- Pipe top-in and top-out design.
- Unique metal module design.
- Anodized aluminum alloy frame.
- Gas pipelines are clearly color-coded.



二级稳压箱 2nd Pressure Reducer

- PC面板。
- 双路减压结构。
- 管道上进上出设计。
- 阳极氧化处理铝合金边框。
- PC panel.
- Dual-way pressure reduction structure.
- Pipe top-in and top-out design.
- Anodized aluminum alloy frame.



管道标识贴 Pipeline Identity Sticker

- 主要用于标识管道内气体种类、气体的运行压力、气流方向等。
- It is mainly used to identify the type of gas in the pipeline, the operating pressure of the gas, the direction of the gas flow, etc.



污物收集罐 Septic Fluid Tank

- 食品级304不锈钢材质制作。
- 表面哑光拉丝。
- 玻璃液位观察窗。
- 泄真空接口和排污接口。
- 污物收集罐罐口口径G2"。
- 50L。
- Made of food grade 304 stainless steel.
- Matt brushed surface.
- Glass liquid level observation window.
- Vacuum release interface and sewage discharge interface.
- The diameter of the dirt collection tank is G2".
- 50L.



集污瓶 Septic Fluid Bottle

- 食品级304不锈钢材质制作。
- 表面哑光拉丝。
- 带有泄真空接口。
- 集污瓶瓶口配DN40快速接头。
- 4L。
- Made of food grade 304 stainless steel.
- Matt brushed surface.
- With vacuum leakage interface.
- The mouth of the dirt collection bottle is equipped with a DN40 quick connector.
- 4L.



分气缸 Gas Separator Tank

- 食品级304不锈钢材质制作。
- 表面哑光拉丝。
- 法兰接口和螺纹接口。
- 定制化生产。
- Made of food grade 304 stainless steel.
- Matt brushed surface.
- Flange interface and threaded interface.
- Customized production.



医用设备带 Medical Bedhead Unit



美观耐用 Attractive and durable

- 国标铝材表面阳极氧化或粉末喷涂处理。
- The surface of the national standard aluminum material is anodized or powder sprayed.



安全放心 SaFe and secure

- 强电、弱电、医气管道分腔布置，严格气电分离。
- Strong electricity, weak electricity, and medical gas pipelines are arranged in separate chambers, and gas and electricity are strictly separated.



人性化设计 User Friendly design

- LED照明灯和阅读灯。
- PC料注塑灯罩钻石颗粒设计。
- LED lighting and reading lamps.
- PC material injection molding lamp with diamond particle design.



精湛工艺 Exquisite craft

- 8mm厚阳极氧化CNC精加工封头。
- 8mm thick anodized CNC finishing head.

壁画式设备带 Art Wall Enclosure Bedhead Unit

- 手工油画。
- 4mm厚阳极氧化铝合金面板。
- 优质国际品牌滑轨。
- Handmade oil painting.
- 4mm thick anodized aluminum alloy panel.
- High quality international brand slide rails.

