

AGR

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AGR

JIANGSU AGR MEDICAL TECHNOLOGY CO.,LTD

MEDICAL GAS SYSTEMS & DEVICES OVERVIEW

CONTRIBUTE TO SOCIAL MEDICAL TREATMENT

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MEDICAL GAS PIPELINE SYSTEM

JIANGSU AGR MEDICAL TECHNOLOGY CO.,LTD

Medical Gas Source



Air Compressor



Vacuum Pump

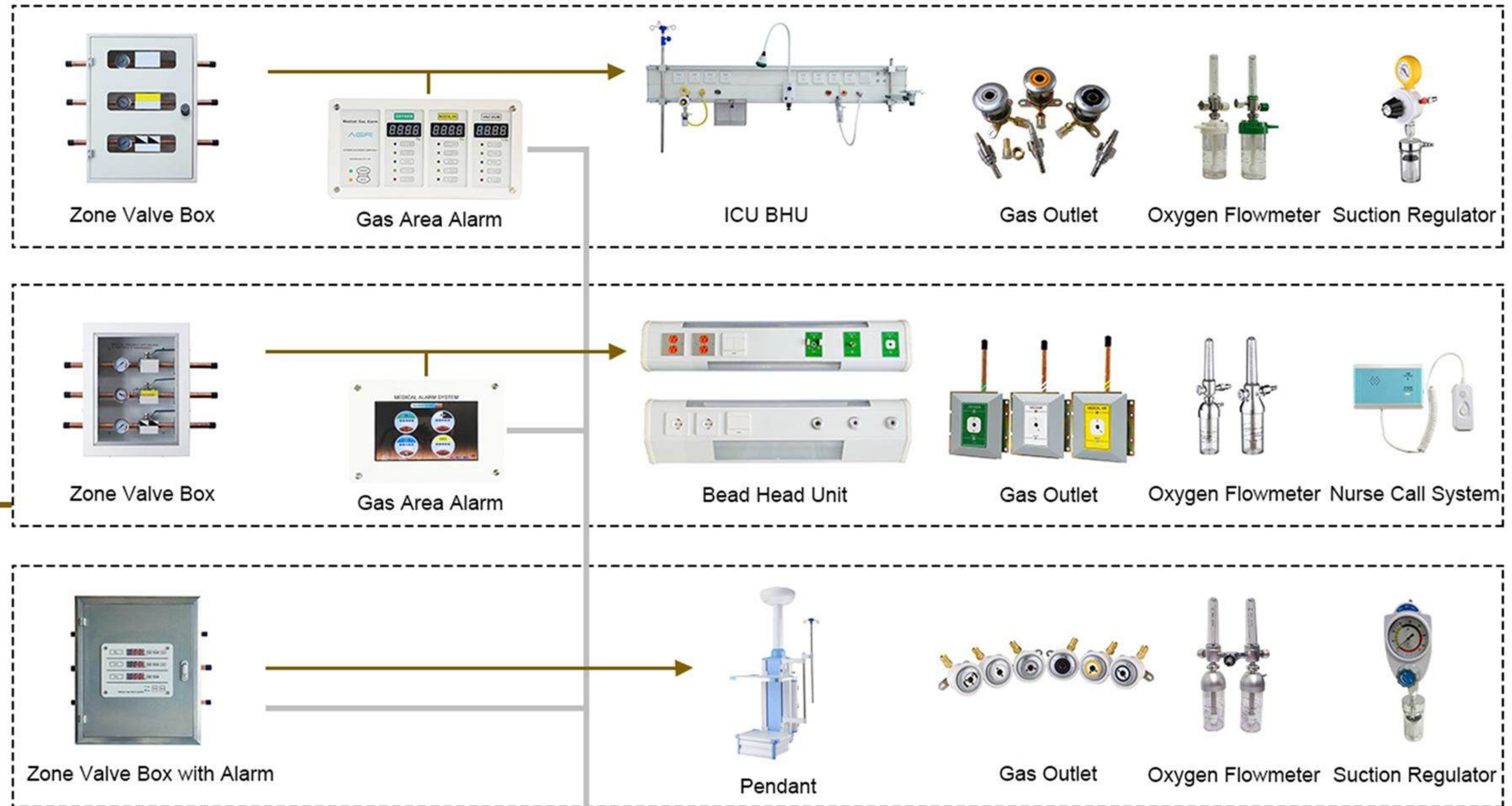


Oxygen Generator



Manifold System

Pipeline



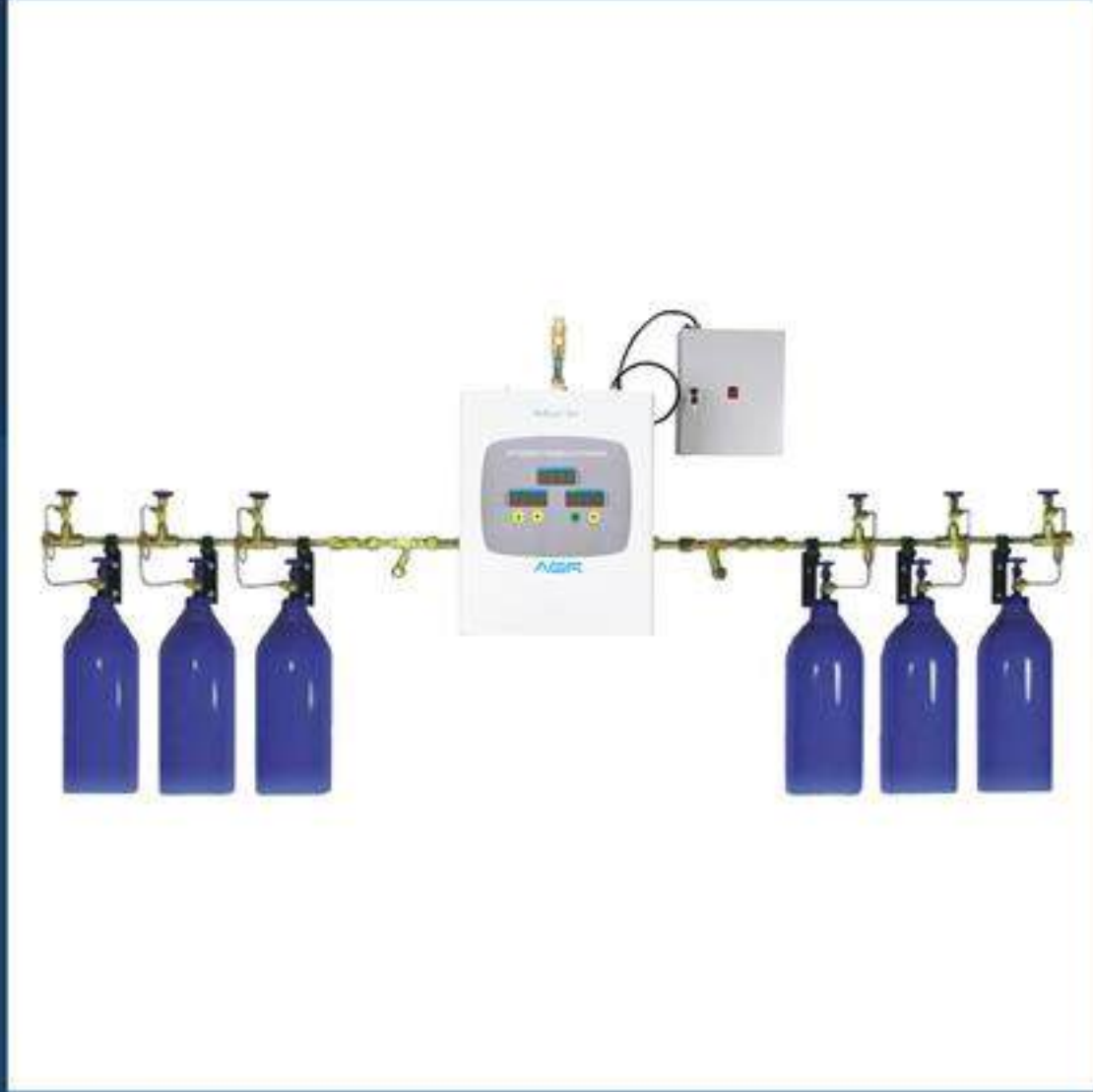
Administrator



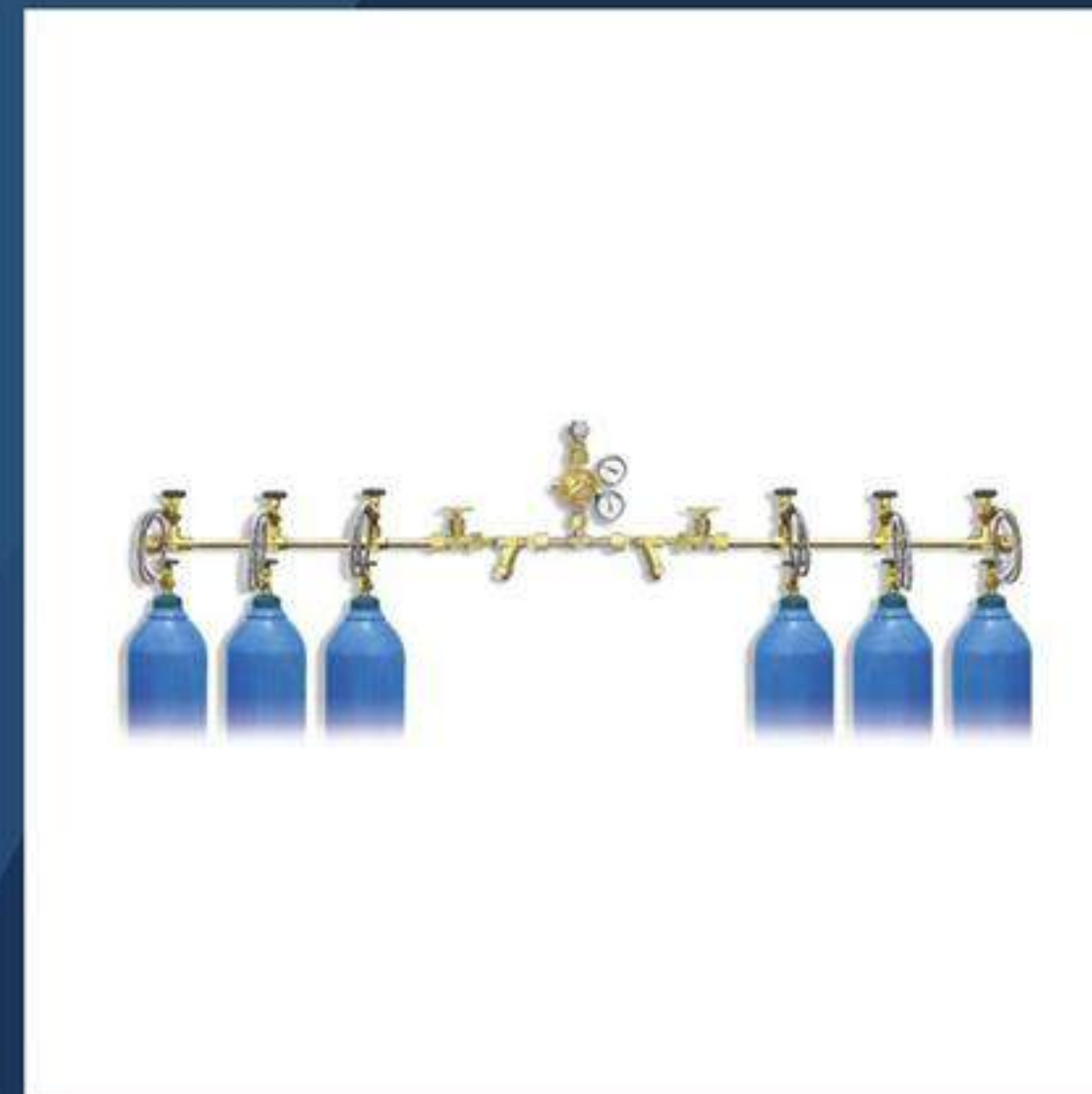
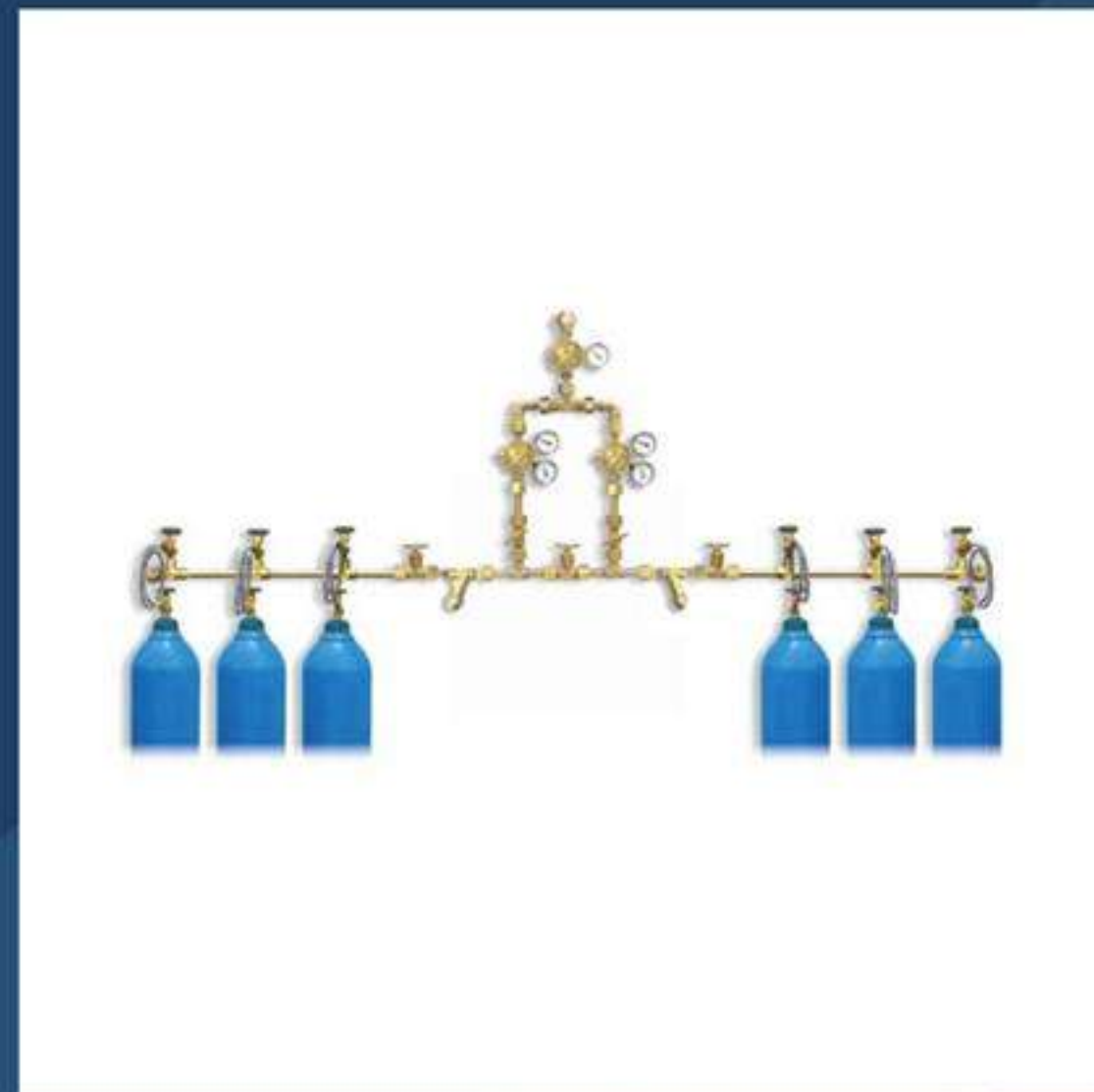
Gas System Monitoring Center

Medical Gas Source Equipment

Medical Manifold System



LED Automatic Manifold System



LCD Automatic Manifold System

S-58X Manual Manifold system

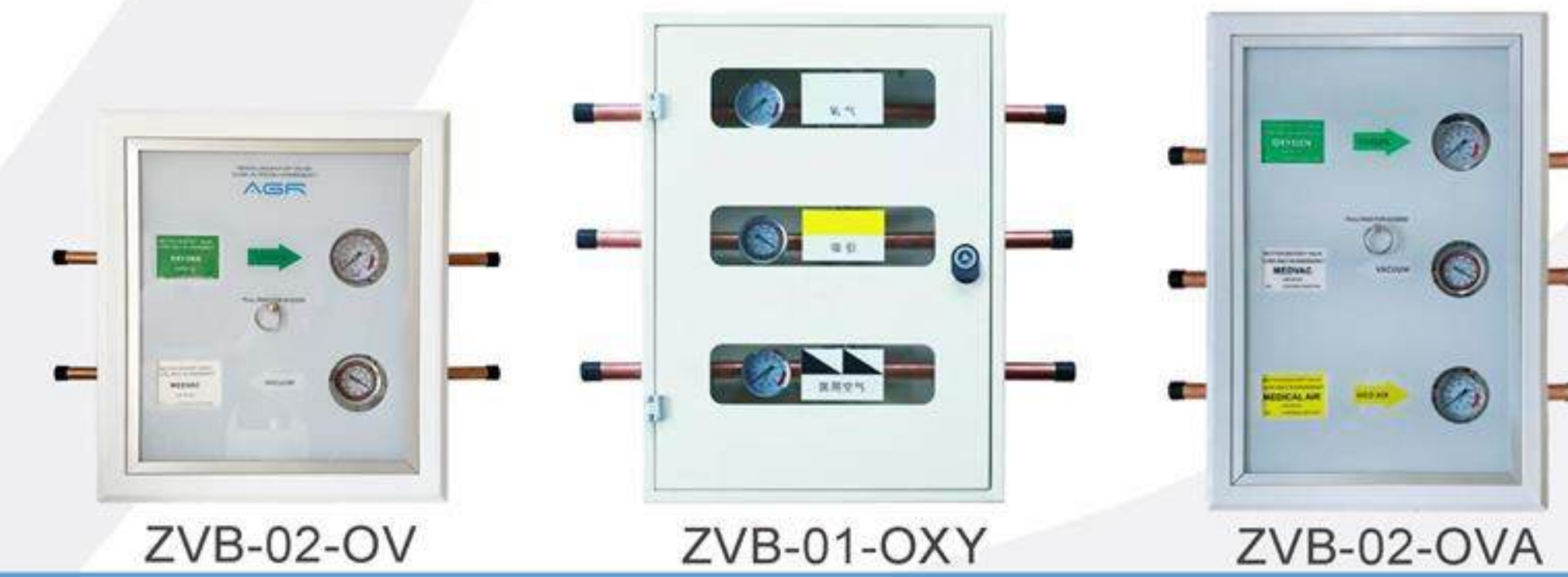
S-48X Manual Manifold system

1. Fully enclosed metal box, anti-interference
2. LCD display system status, User-friendly interface, clear and direct
3. Alarm device, can remote networking
4. Level 2 clearance code, multiple gas units
5. PLC modular programming, data stability and safety
6. Safe use of voltage, 24VDC power supply
7. Electric heating function to meet various gas requirements

AGR series medical automatic manifold system is designed to provide an uninterrupted gas supply without any manual adjustments. This system automatically switches over when the primary cylinder bank is depleted. Even in case of a power failure, the system continues to supply gas without interruption. The system is designed to meet the latest edition of NFPA 99 and CGA standards.

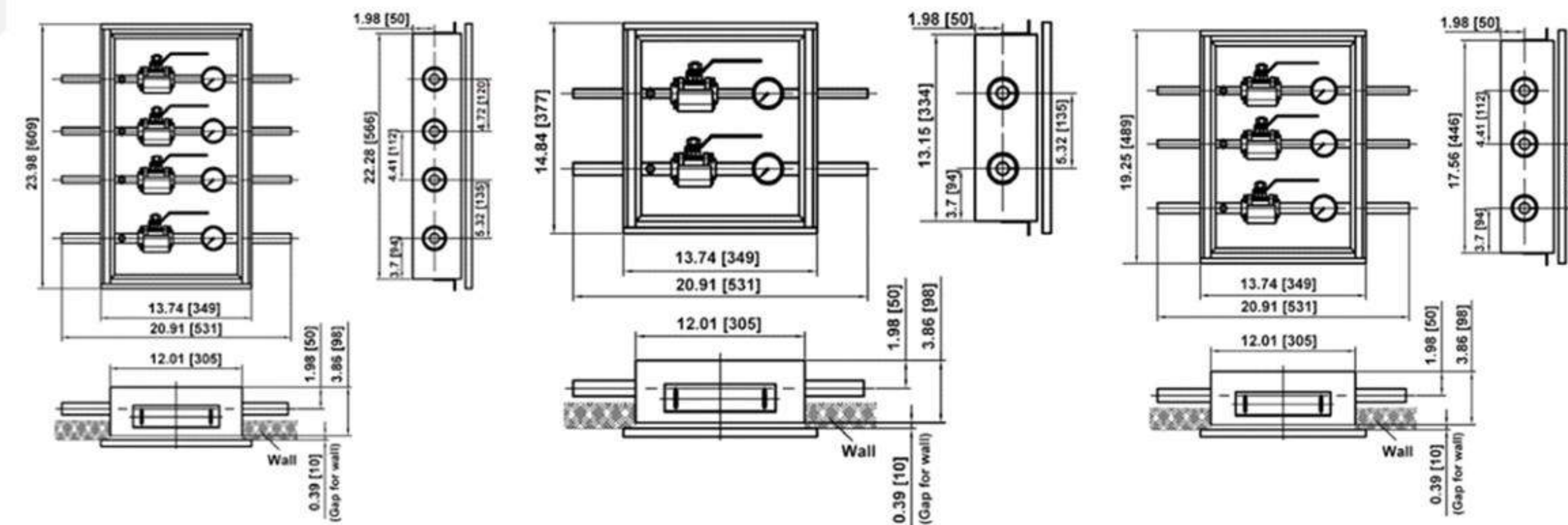
Zone Valve Box

Dimensions



Designed to house up to six shut-off valves, where each valve controls a different gas

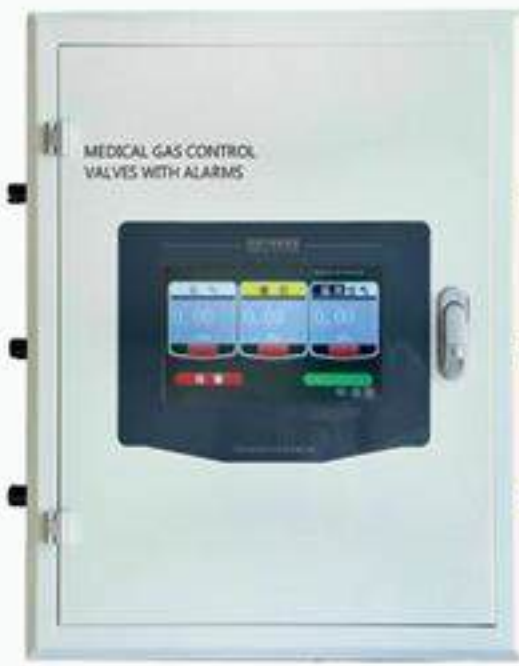
- Gas Service is distinguished by label color
- Copper tubes are welded to prevent leakage
- Window may be detached for maintenance of shutoff valves
- Wall mount style
- Parts are cleaned according to CGA G-4.1, tubings are 100% tested for leakage
- NFPA 99 compliant



Dimensional Data Notes:

- Up to 2" Valve in a Multiple-Valve Box
- For 1 Valve Box - Top Valve omitted
- The frame shall be capable of adjusting for variances in wall thickness up to 1 inch
- All dimensions in inches (mm)

Area Valve Service Unit



AZVB-03-OVA



AZVB-04-OVAC



Includes shut-off valve and check valve with NIST connection, easy to operate and maintain

LCD touch screen ,with alarm device, remote alarm

Steel enclosure for durability

Pressure gauges included to provide accurate reading of pressure

HTM 02-01 compliant

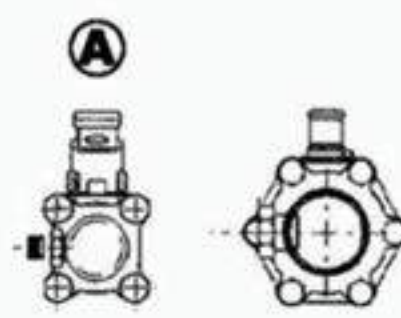
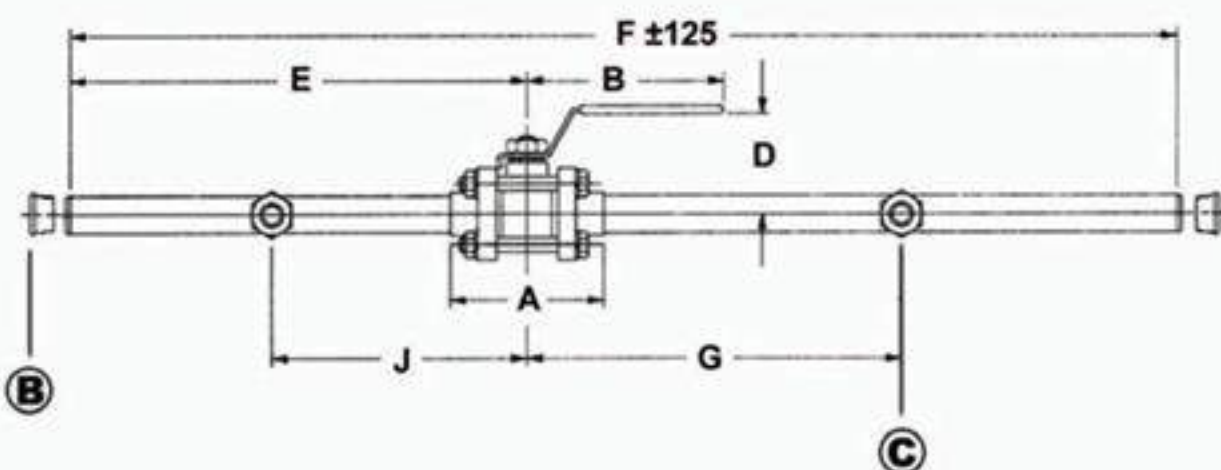
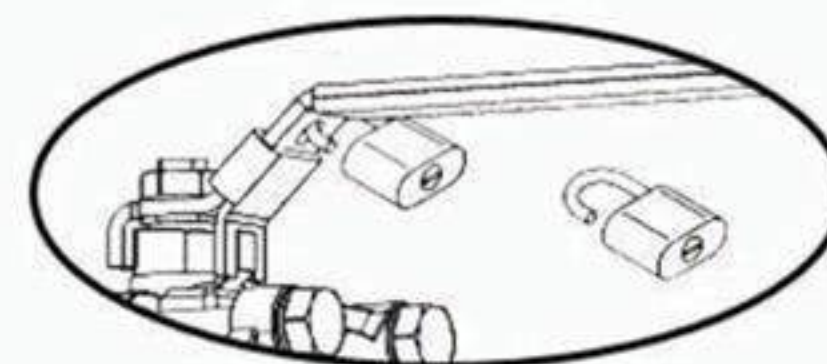
RS485 interface for networked monitoring

BALL VALVES 1/2" TO 4", WITH EXTENSIONS



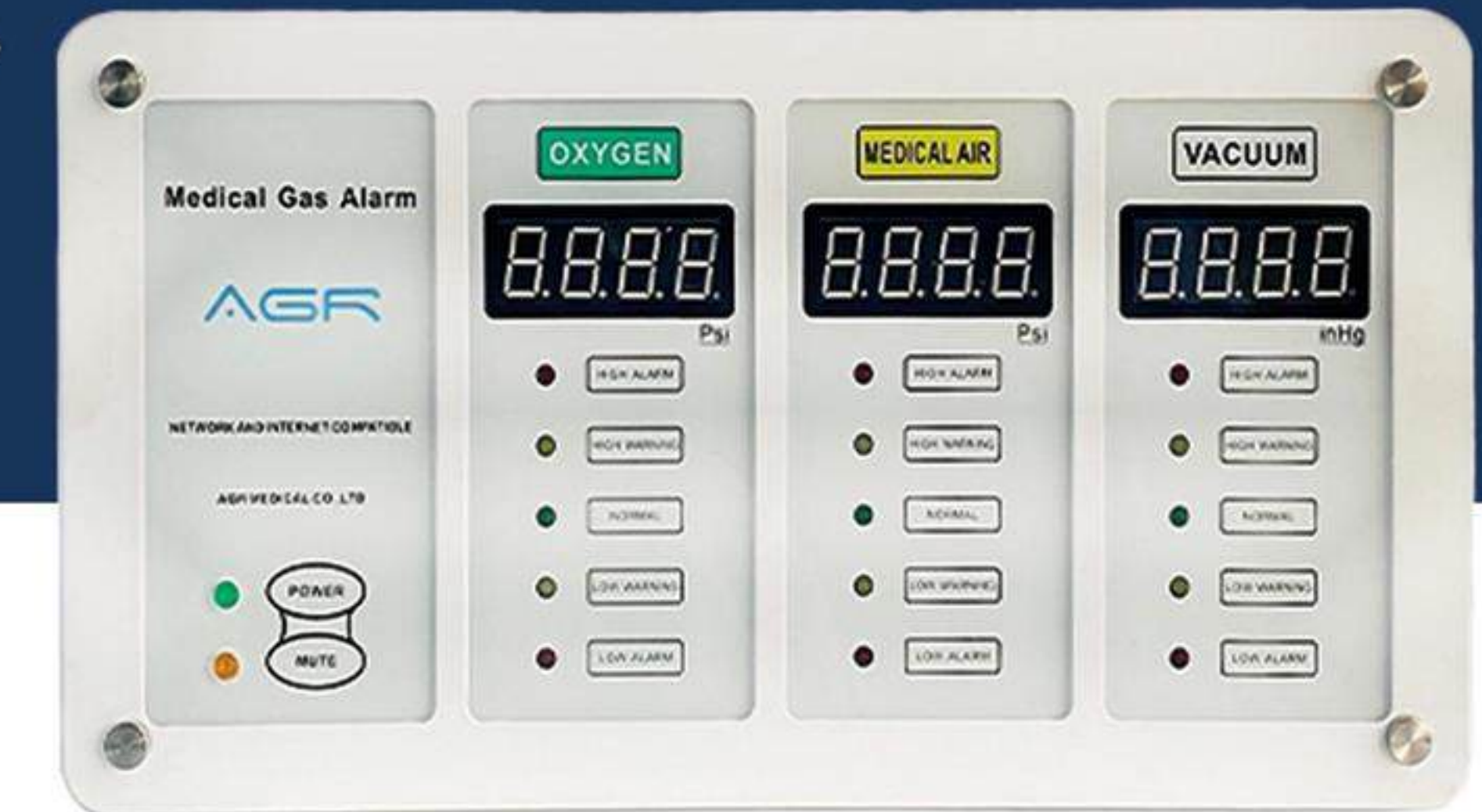
- * Available in sizes 1/2 " to 4"
- * 3 piece design for ease of maintenance
- * Quarter-turn, full port design Valves
- * Blow out proof valve stem
- * Dual gauge port version
- * Lockable or non-lockable handles available
- * Cleaned for oxygen service
- * 100% hydrostatically tested
- * NFPA - Compliant

Valve Locking Handle



Alarm Control System

AGR gas alarm system regional gas pressure monitoring alarm is suitable for monitoring the supply pressure of hospital floors, nurse stations, operating rooms, ICU or laboratory gas pipelines, special gas cylinders, bus bars, gas valve boxes, etc., through 0.8 inch digital. The tube displays the pressure of the monitored gas at same time. The alarm point can be set according to the usage requirements of each parameter, and the over-limit alarm can be realized to ensure the normal supply pressure in the area.



This regional gas pressure alarm has an RS-485 communication

interface, which can be used to the network with the main alarm box and the system host.



American Standard Medical Gas Outlets



Accepts only Ohmeda, DISS, Chemetron, Puritan Bennett, Afnor, or SIS style gas specific adapters for respective standards

Unique pin index for gases to prevent interchanging of gas service

Universal rough-in assembly

Color-coded for easy gas identification

360° revolve

Swivel on the inlet pipe for easy installation

100% tested and individually packaged

UL listed and complies with the latest edition of NFPA 99: 2005

French Standard is UL listed, NF EN 737-1 compliant

Australian Standard complies with NF EN 737-1 and AS 2896-1998

German/British/Japanese Standard Medical Gas Outlets

Processed in accordance with EN 737-1:1998, DIN13260-2, ISO9170-1, ISO9170-2 German terminal standards



German gas outlet



British gas outlet



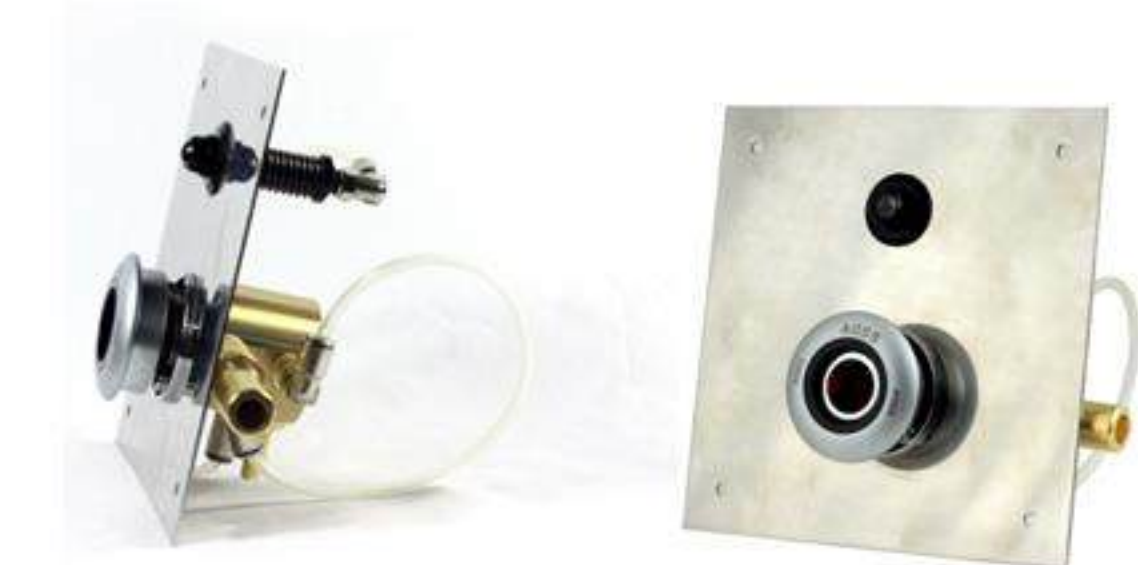
French gas outlet



Japan gas outlet



Mini Y gas outlet



AGSS



Gas adapter

Medical Hoses & Medical Hose Assemblies

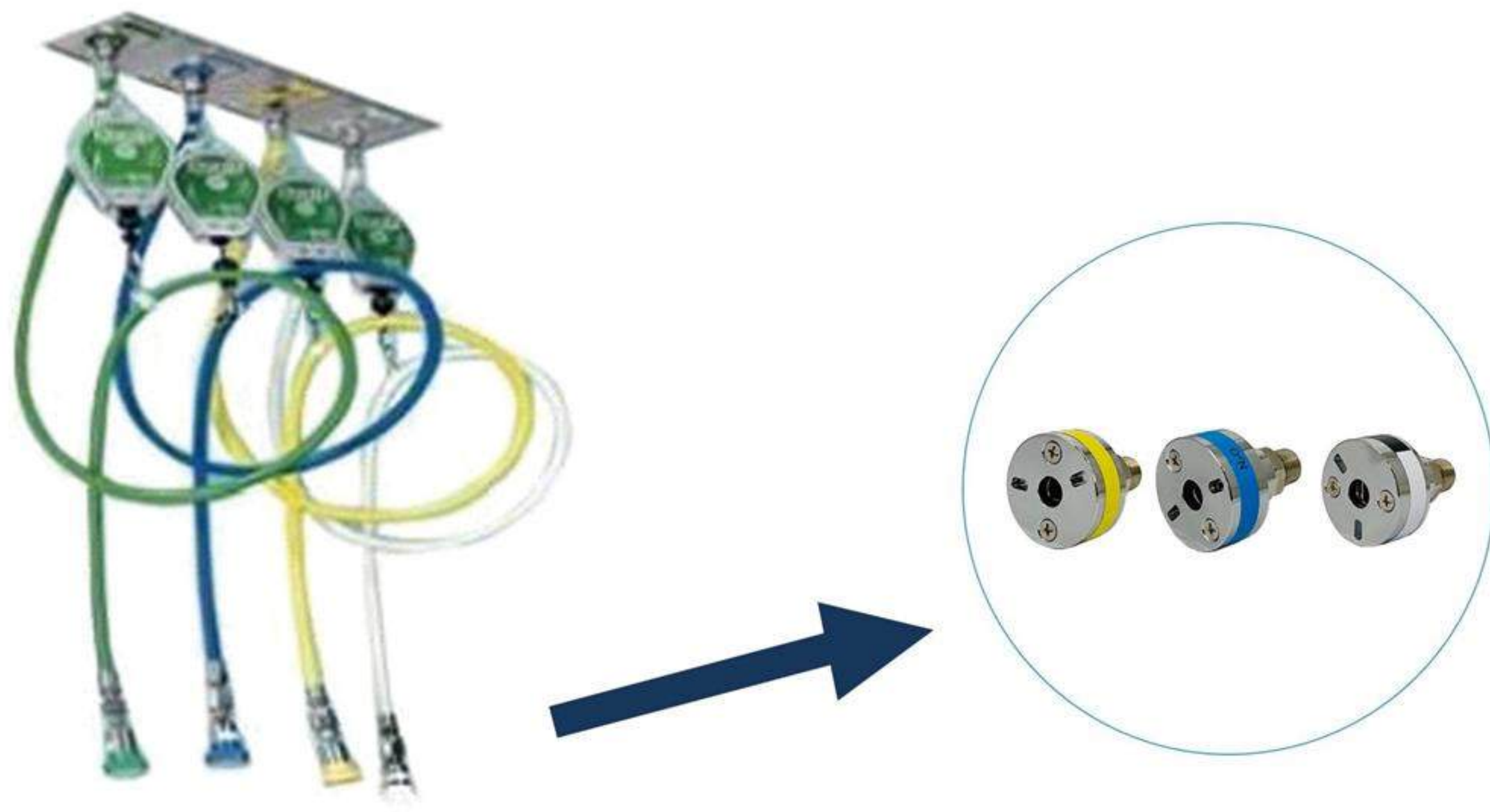
In compliance with the norm ISO5359-2014.Hose suitable for transfer of low pressure gas in the food systems of medical tools.3 layer atoxic PVC with textile reinforce, high flexibility without silicon and heavy metals.This hose is suggested for the transport of oxygen, nitrogen oxide, air, Helium, xeno, carbon dioxide, nitrogen oxide and nitrogen mixture, air for surgical tools.Inner diameters and corresponding tolerances according to the norm UNI EN ISO 1307:2008.This is to emphasize that since thermoplastic products are subject to deformations and shrinking also due to the outside temperature, the length tolerance is $\pm 5\%$.

Phthalate content $\leq 0.1\%$



Parameter	Detail
Structure	PVC 3-layer pipe, the outer layer is wear-resistant PVC, the middle is a polyester wire reinforcement layer, and the inner layer is a food grade material layer
Color	White, Black, Blue Double, Yellow, Green, Grey, White+Black
Specification	1/4"/5/16'
Pressure	Working pressure: 2.0MPA
Operating temperature	-10/+60°C
Advantages	Bright color, soft, smooth surface, anti-ultraviolet, anti-aging, anti-ozone
Apply	Medical equipment gas transport (medical pendant/gas outlet/adapter)

Medical Hose Assemblies



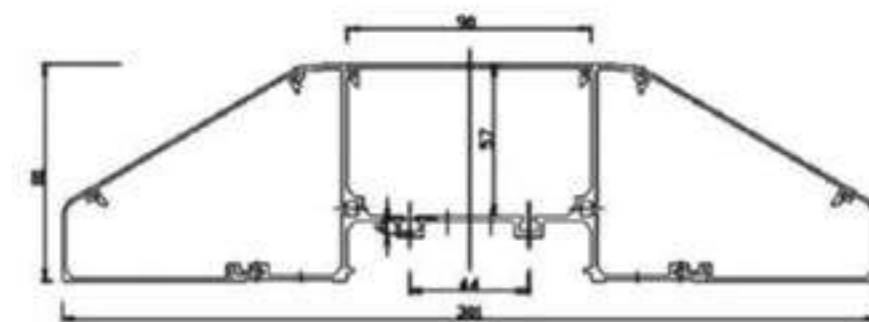
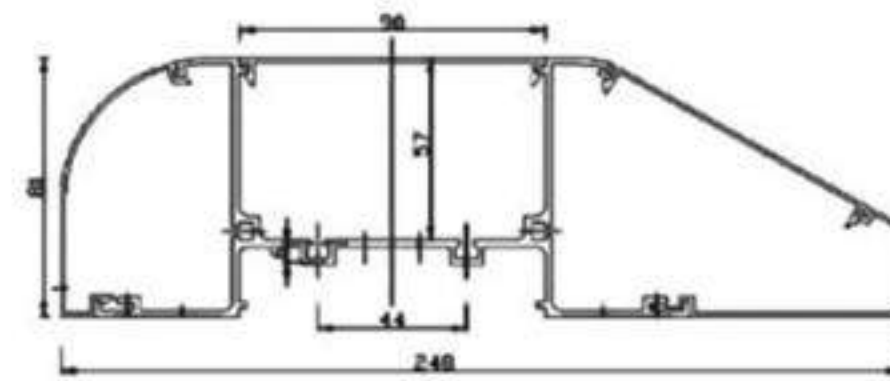
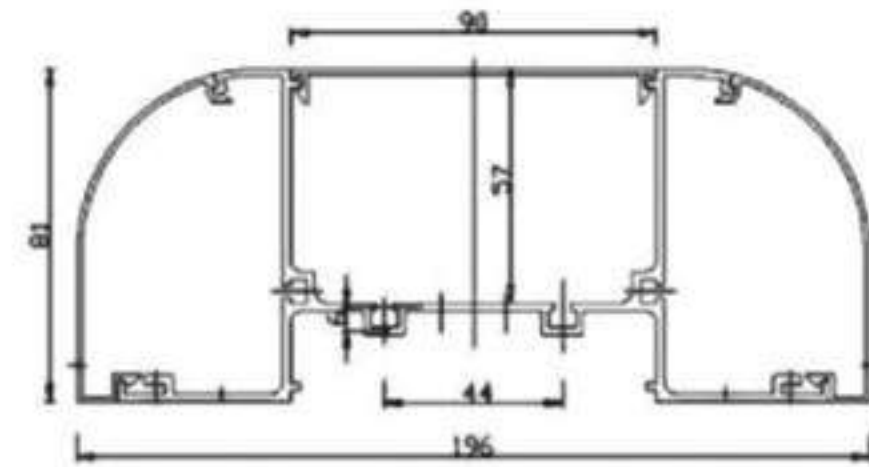
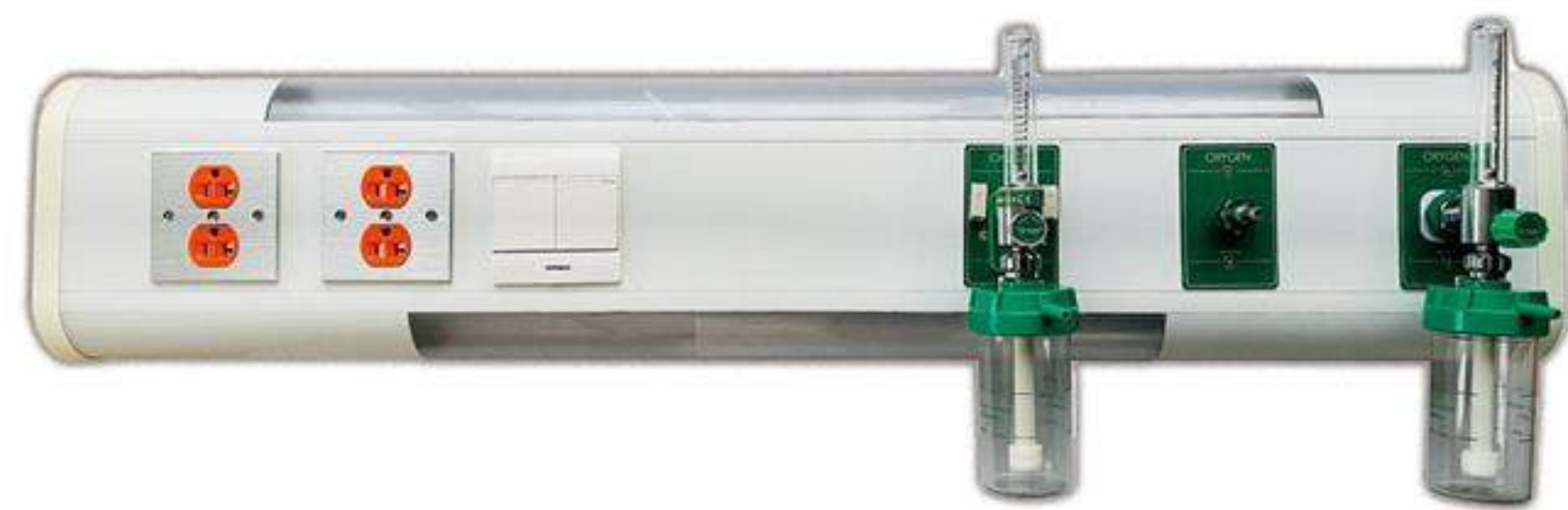
Medical gas hose assemblies are used for gas transmission between air sources and medical equipment
 Suitable for oxygen, negative pressure suction, medical air, laughing gas, Exhaust gas, carbon dioxide, nitrogen, helium, power air
 Connector form: Ohmeda, DISS, Chemetron, Puritan-Bennett, FS, GS, BS, NS and micro sockets
 Maximum operating pressure: 200 psi
 Fittings are made of high quality copper alloy, surface plating, cleaning treatment
 Stainless steel ferrule, mechanically formed buckle, clamping firm and durable
 EU CE certification in accordance with the standard ISO 5359



Bed Head Units

We offer a wide range of accessories for ICU bed head units as e.g. medical rails, trays, shelves, slides, IV

Built from hard, smooth and easy to clean materials to meet hygiene and cleanliness requirements in order to avoid any risk of infection- AGR Med bed head unit has got everything that is needed in ICU.



It is moreover fitted with electrical sockets flushed with the surface. In case surface mounted sockets are required we recommend Cu+sockets. Use the aluminium profiles, these are advanced, ultra slim profiles that can withstand high weights. The number of medical gases is always doubled in ICU units. In comparison with bed head units in standard hospital rooms AGR Med bed head unit light is also fitted with more electrical sockets for additional medical equipment.

Configurations	
Rail System	Single-side Rail or Dual-side Rail System
IV Pole	#201 or #304 Stainless-steel Material Option
Lamp	Medical Use Lamp, Up and Down Rotary
Monitor Holder	Equipped with Extension Arm, Loading Capacity 15-20KG
Gas Outlets	Diss, Ohmeda, Chem etron, BS, DIN, FS, JS
Power Sockets	American, British, German, French, Universal Standard and Earth sockets
Light	Ambient Light & Reading Light (LED or Fluorescent Type Option)
Light Switch	Single or Double Switch Communication Nurse Call Panel, RJ-15, RJ-45, Audio & Video Ports
Others	Vacuum Bottle Holder, Vacuum Slider

Multifunctional Horizontal Bed System With Rail AS-02



AGR multifunctional horizontal bed system can integrate all the medical power service, and medical crane tower or a suspension bridge is the same functional diversification but also the regional division of nursing.

PRODUCT FEATURES

Can be configured as many as 40 medical strong and weak interface; up to 12 medical gas source interface.

Four rail equipment management provides powerful equipment management ability, can even be hanging cabinet.

Simple design, easy installation, panel color can be chosen.



AS-01 Elegant Horizontal Headwalls With Rail



AS-08 Vertical Headwalls

AS-07 Vertical Headwalls

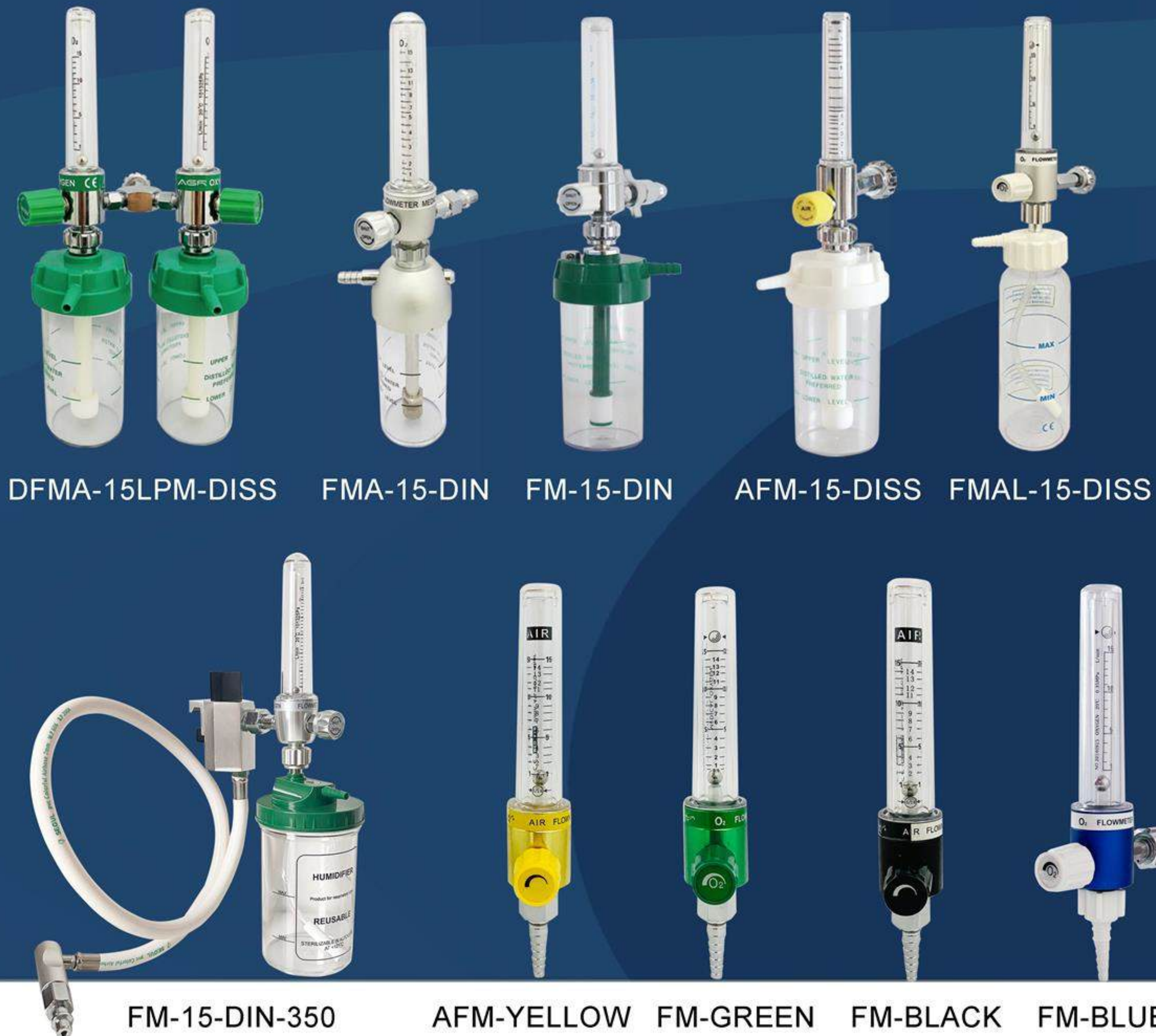


AGR Vertical headwalls makes the healing environment clinically functional for more complete and dependable care. The headwalls provide ergonomically placed medical gases, electrical services and equipment management and will contribute to any interior design scheme with a wide variety of laminate choices.

BOTTOM COLOR CHOICES



Oxygen Flowmeter with Humidifier



- Flowmeter Tube: Flow scale line straight and clear, the center line is perpendicular to the tube
- Rotary Control Knob: Adjusted easily, no oxygen output when shut off the knob
- Inlet Adapter: Different standard adapters available for connecting with the gas outlets
- Pressure Relief Valve Automatic: 0.4-0.6Mpa
- Filter Tube: Can disassemble and wash, reusable
- Humidifier : Polycarbonate bottle are impact resistant for maximum durability & sevice life can be soaked and disinfected
- Back pressure compensated and calibrated at 50 psi,
- Calibration pressure at 65 psi is also available
- Humidifier Output Connector: Φ 8mm

Oxygen Humidifiers



- Reusable humidifier
- External safety valve, pressure relief alarm
- Pressure relief valve on cover to vent excess pressure
- Designed to be autoclavable up to 121°C
- CGA 1240 standard connection

Nasal Oxygen Cannula



- Disposable
- Suitable for adult child pediatric
- Fitting for 1/4' ' hose barb connector

Medical Gas Regulators

Input Pressure: 15Mpa

Output Pressure:0.2-0.3Mpa

Automatic Discharge Pressure of the Safety Valve: 0.35+0.5Mpa

The Flow Range: 1-15LPM, 1-30LPM, 1-50PLM, 1-70LPM (Can Customized According to Reauiest)

Cylinder Connection: CGA540,CGA870,Bull Nose, DIN477 (Can Customized According to Request)

Regulator Constructure: Pistion-type Design

Rotary Control Knob: Adjusted easily, no oxygen output when shut off the knob

Humidither Botle: 200ml Polvcarbonate bottle



OR-CGA540-G15



OR-BN-B15



OR-BN-B15-L



OR-CGA870-G15



OR-CGA540-G15-S



OR-BN-B15-S



OR-BN-B15-SL



ORH-CGA540-H15



ORL-CGA540-G15



DOR-BN-L



Click- Style Oxygen Regulator

Suction Regulator



SRA-01-Y

SRA-01-W

SRA-02-W

SRA-02-Y



SRS-03-W



SRS-04-AL



AVR-05-AIR



SRF-06-FS

Compliance with the Medical Device Directive 93/42/EEC

Vacuum trap prevents overflow of waste fluid from entering the suction regulator

NFPA and iSO 32 colors available

Connected Adapter:OH,DS,CH,BS,DIN,FS,JIS

Threaded Outlet:1/8"NPT(F)Or M10*1

Dual scale mmHg and kPa

2" gauge 360 rotary, easy to read

Antimicrobial protected control knobs

Operating Temperature:20 C

Storage Condition:Between-10 and +40 C(between.14-104 F)in a Dry , Clean Place



Suction Canister



SCA-1L



SPC-1L



SPC-2L



SPC-4L



SCA-3L/4L



Vacuum trolley



Disposable Suction liner-1L/2L

Yankeur Suction Tube/Handle

Transparent moulded Yankeur suction handle attached

With two & half meter long P.V.C. tubing suitable for easy attachment to any type of suction apparatus.

A port is provided at the distal end of the handle for finger tip / Thumb control facility during suction management.



Yankeur handle is open with four lateral eyes to withstand negative pressure and ensure continuous and easy suction available with / without filter.

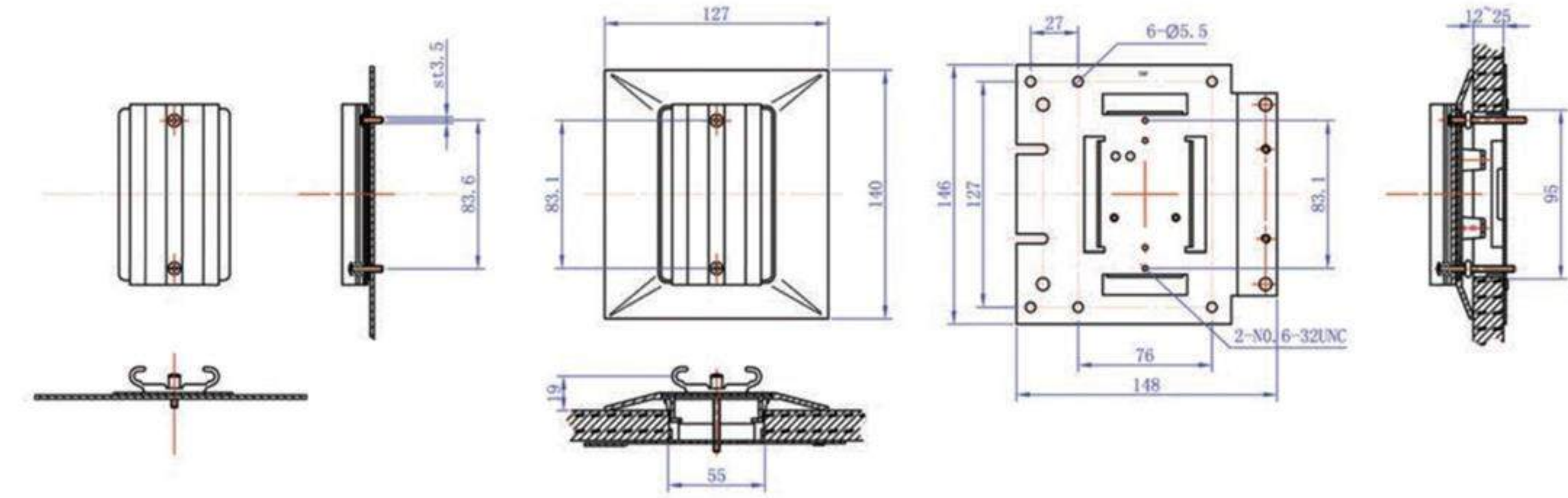
Sterilized and Pyrogen free.

Side Bracket Wall and Console

For use on all surfaces

Fits reusable and disposable bottle brackets

Dimensions:



Assembly Chart:



Bacterial Filter

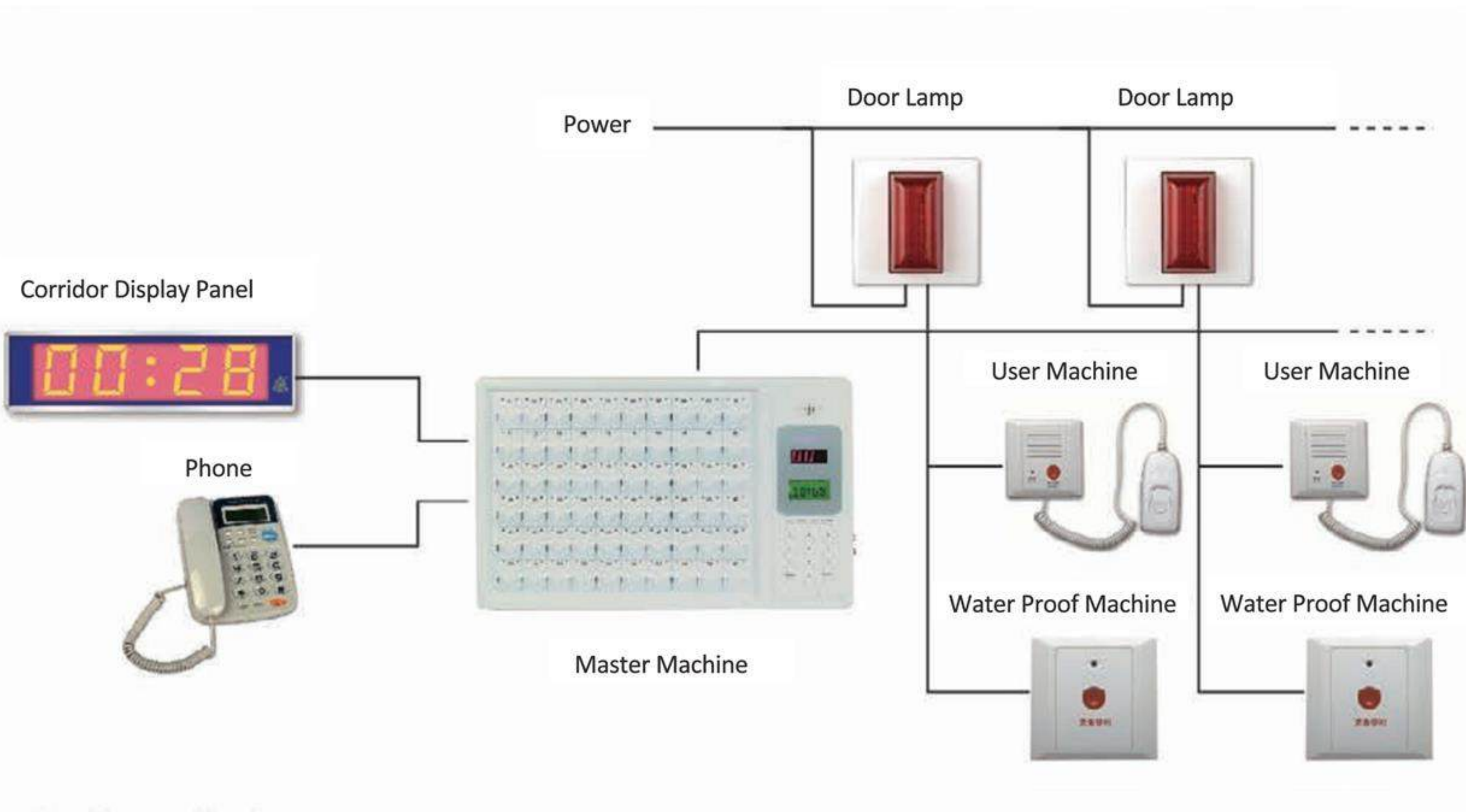
Eliminates airborne contamination

Re-usable - Autoclavable (PC)

Single use - Sterilized

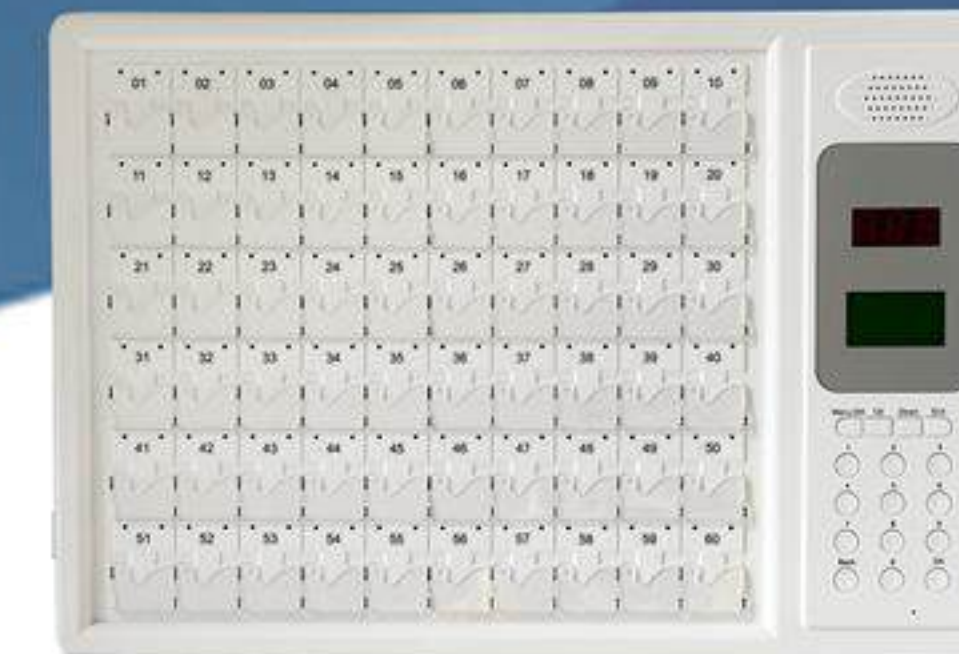


Nurse Call System



Function specification:

- *LCD English display,voice broadcast,simple and intuitive operation.
- *Master machine and patient information card display connected,has 60 beds and 90 beds type to choose.
- *Patient bed and nurse station can call and call back.
- *Having calling memory,can broadcast calling bed number in cycle.
- *Corridor display panel can double display time and calling bed no.
- *System is quite stable,convenient to maintain.



KB818 Master Machine

- *LCD English display,voice broadcasting.
- *One master machine can control 99 user machines,and can set 29 added bed Nosand 29 room Nos.
- *60 beds information card panel can insert patient information card or nursing levelcard.



Intercom user machine

- *Calling and intercom speaking function.
- *Reset button and calling button,avoid miss operation.
- *Adopt high-definition and clear speaker,clear speech.
- *Can be installed on bedhead unit or wall with 86 installation box.
- *Can be set as broadcast machine.



Waterproof user machine

- *Special design,with waterproof function, use in toilet.
- *Having voice reminder function when calling happen.
- *With or without pull cord two types to choose.



Double display corridor panel

- *Ultra-thin design,dual display,and display same calling information and time with master machine.Frame is made of aluminum alloy profiles after oxidationtreatment.
- *Having buzzer or mute two options.



Medical Air Compress System oil-free scroll & piston compressors

AGR medical air compressor unit adopts one-piece skid-mount design, and the medical air control system has a perfect alarm system to ensure that you can provide you with oil-free, sterile, dust-free and dry high-quality medical air

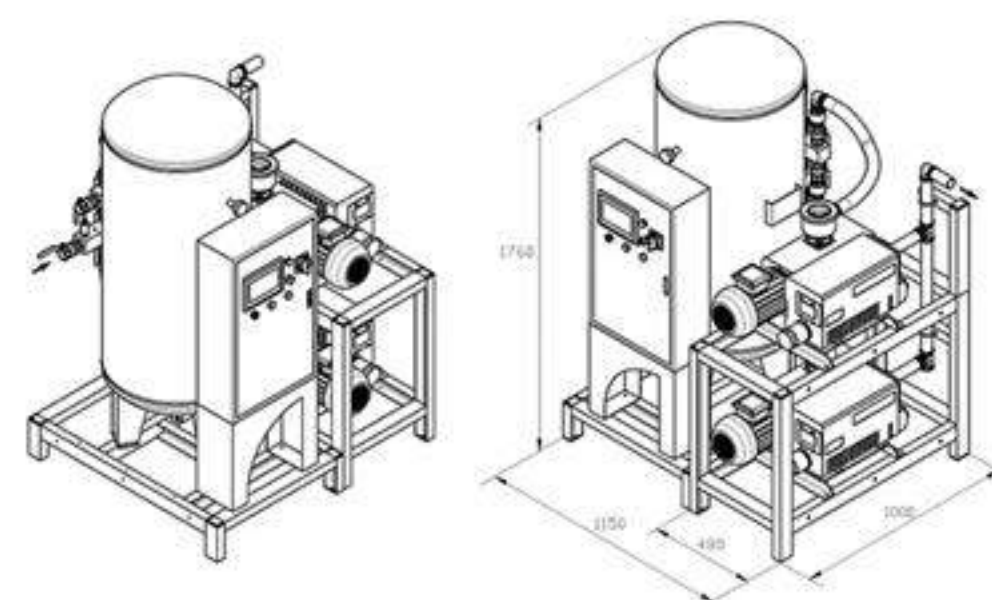


- *Integrated skid mounted design, easy to install and maintenance
- *Single point connection
- *Warning indication: Ambient temperature alarm, Overload alert standby pump starts running
- *The plant will auto restart after voltage failure occurs
- *PLC module, Color touch screen and sub-module to ensure the normal operation of the unit
- *Automatic operation when monitoring the use of the pump status settings, debugging, all kinds of information can be displayed
- *Automatic operation through pressure sensor control, reverse protection
- *Automatic recovery if power outage
- *Data and information can be displayed to the workstation remote computer

Medical Vacuum System oil-lubricated rotary vane & oil-free claw

The oil-lubricated vacuum pump is a durable long-life pump that has been used for many years in hospital and laboratory applications. The use of oil facilitates higher efficiency of the pump, lower operating temperatures and lower sound levels. Oil-sealed rotary vane pumps are ideal for most hospital applications. The medical vacuum plant uses the Schneider brand LCD control panel which is easy to maintain. The medical vacuum pump is available in Simplex, Duplex, Triplex, or Quad, and different capacity receiver tanks are

Oil-Free Claw Vane Vacuum System

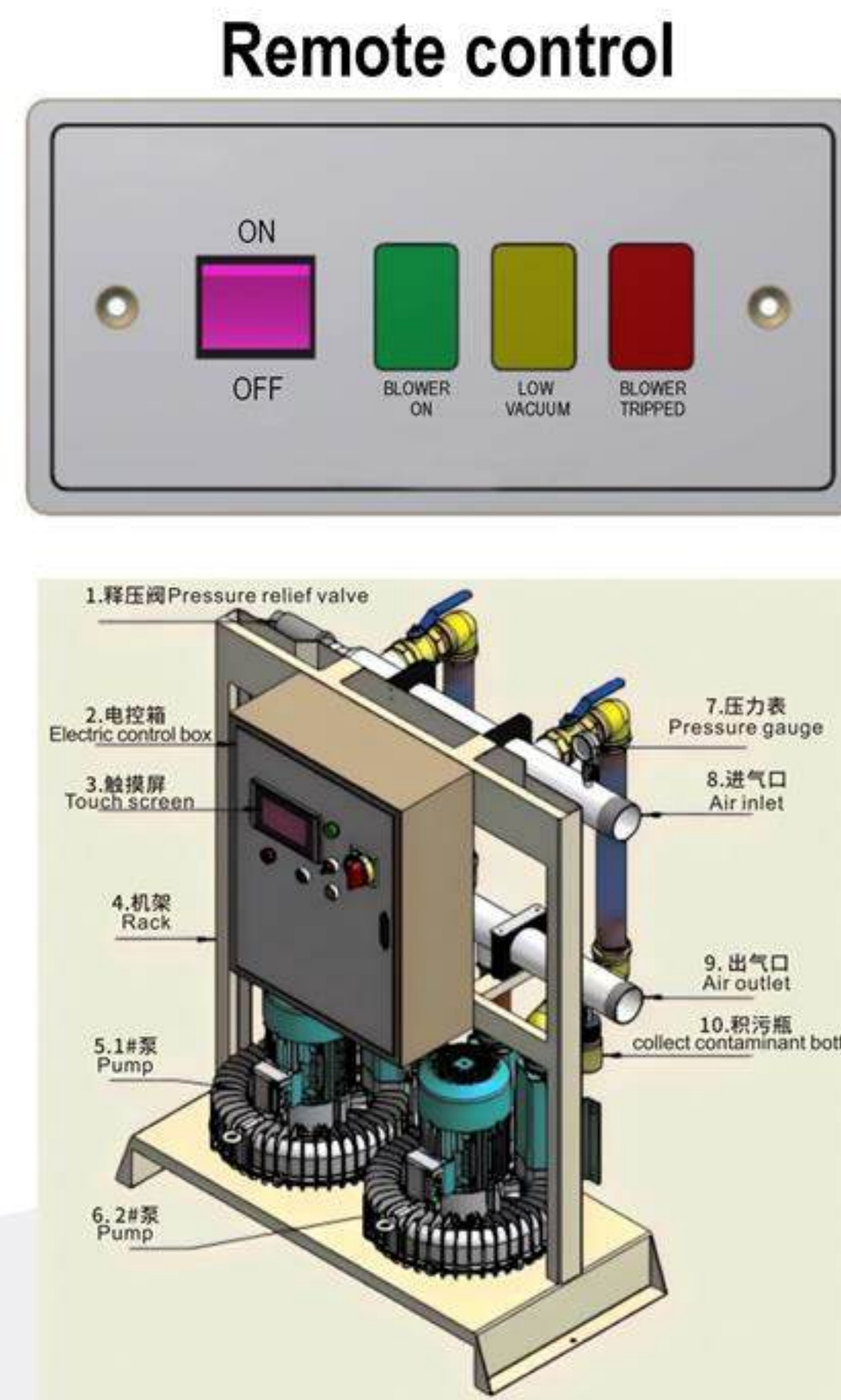


The Oil-free rotary vane medical vacuum system is a cost-effective solution for applications where oil in the pump chamber or oil mist in the exhaust may be undesirable, because there is no oil vapor in the oil-free vacuum pump, the vacuum system will not be contaminated by oil during use. It is an ideal vacuum pump for medical gas systems.

Simple design requires less routine maintenance than an oil-immersed pump, and does not cause many inconveniences and troubles of the lack of vacuum pump oil, but requires regular blade replacement.

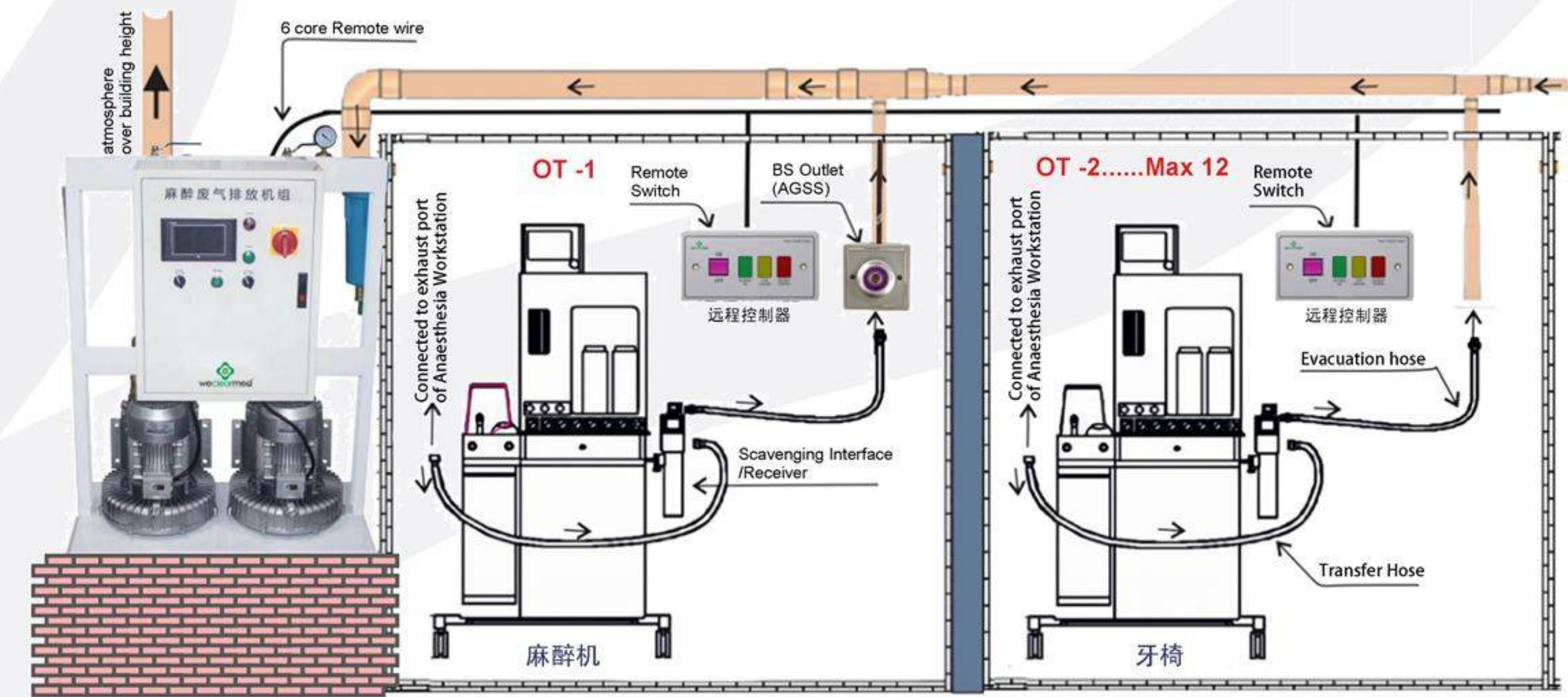
- *Direct connection with motor, compact structure, light weight, smaller dimensions than other types of pumps
- *Smaller vibration and smoother operation
- *No oil is needed for lubrication and no pollution in the environment
- *High-speed rotation of the multi-rotor is used to avoid pulse fluctuations in the suction and exhaust
- *Oil-free vacuum pump can run continuously with open atmosphere. Minimal maintenance, Maximum Durability

Anaesthetic Gas Scavenging System



Anaesthetic Gas Scavenging System AGSS Plant

1. Visual tank for exhaust gases, oil-water separator, flush system for exhaust removal
2. Skid-mounted storing and distributing for integrated function easy to install
3. Duplex system can make the AGSS plant work continuously even if one of the pump goes wrong
4. Flow regulator to guarantee that the pressure is between -180 mpa and 200 mpa
5. Remote control
6. Schneider Electric PLC (Programmable Logic Controller), touchscreen for displaying, controlling and debugging
7. Automatic operation, glitches recognition and timely alarm realized by protective pressure sensors
8. All of information put together is shown right on the summary screen, including the alarm log, maintenance schedules, runtime, database, electric currents, run charts etc



麻醉废气排放/牙科排放机组 系统解决方案
Schematic representation of AGSS System

Remote Control Product Features:

1. Cooperate with the emission unit to realize independent monitoring of each room
2. Remote start-stop, operation status, pressure status, fault alarms
3. Compact appearance, easy installation and maintenance

System specification and description (at 50HZ)

Model	AGSS.75II	AGSS.5II	AGSS.2II	AGSS.0II	AGSS.0II	Single-level	3 level
Single-pump flow rate m ³ /h	72	160	270	318	360	Refer to double level	Refer to double level
System flow rate	144	320	540	636	720		
Single-machine power(kw)	0.75	1.5	2.2	3.0	4.0		
System power (kw)	.7	3.2	4.7	6.2	8.2		
Motor speed (rpm)	2850	2850	2850	2850	2850		
Dental blowdown pump (kw)	0.75	0.75	1.1	1.1	1.1		
Dental collecting pollution tank	20	20	40	40	40		
Weight(kg)	130	150	170	200	230	65	72
Noise (dbA)	62	62	65	65	72	65	72
Overall dimension(mm)	050	1050	1050	1050	1200	550	1420
	W(dentistry)	950	950	950	950	950	950
	W(anesthesia)	550	550	550	550	750	750
H	1200	1200	1200	1200	1200	1200	1200