Medical Gas
Distribution System

Medimaxkorea
메디멕스코리아

GREETINGS

Medical engineering and biotechnology will lead the 21st Century.
Especialy medical equipment business has rapidly on growth by an improved income level, an aging society and a continued welfare policy of government.

Medimaxkorea is the Korea's leading manufacturer of medical gas equipments including medical air compressor, medical vacuum pumps, manifolds, liquid oxygen storage tank system, pipeline components, bed head trucking system (bed head unit, console), pendants, ceiling column, flowmeter with humidifier, suction , secondary and accessory.

Through abundant solid experience and with enjoying benefits with our overseas distributors, Medimaxkorea sell its products through a global distribution channel to be the World's leading manufacturer.

Medimaxkorea is dedicated to manufacturing and developing the most advanced medical gas equipment and prides itself in providing the most technologically advanced products in the marketplace with CE mark obtained and ISO 13485:2003 approved.

Thank you very much for your continued interests heartily.

Youngkeun Choi / President
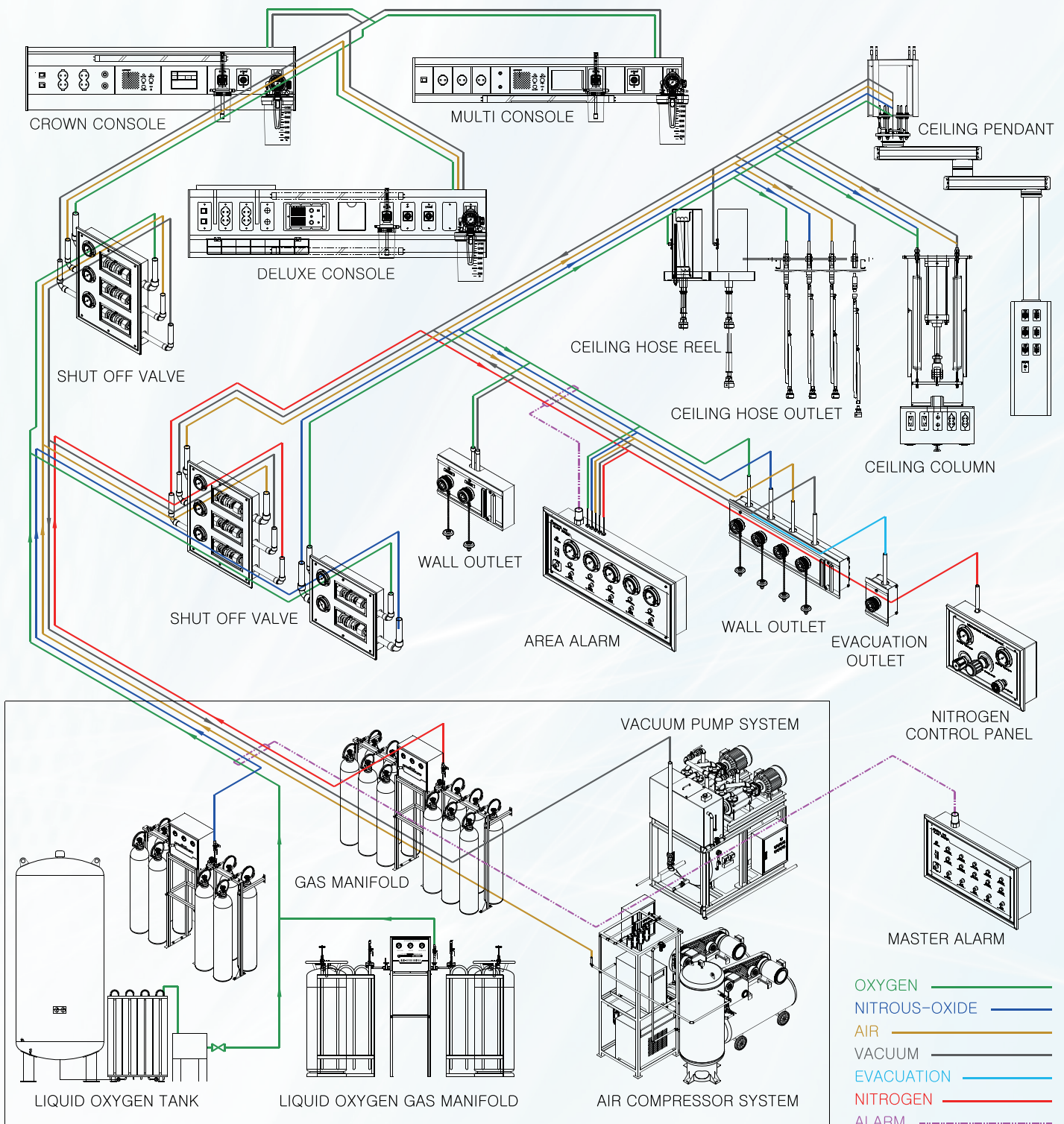
Medical Gas Distribution System

Medical Gas Distribution System is a central supply system to supply a depressurized medical gas (O2, N2O, N2), medical air, and medical vacuum to each ward of hospital safely and conveniently through a central supply piping from medical gas supply sources installed at machinery room.

In medical equipment, medical gas is always supplied to patients. Its supply stop for a while has an effect on a patient menace of life so that medical gas system always should be not only supplied safely and confirmly without blocking but also kept with a good quality of medical circumstances and as a result medical gas system should be one of the best important hospital equipments.

Generally medical gas equipments consist of supplying equipments, outlets equipments, secondary and general piping method has been mostly used with copper tube "L" type and "K" type.

An evaluation for advanced medical equipment is a little differences as the standard and we know well that medical gas system is also a base among medical equipments for customer satisfaction and to keep good medical quality. Also to embody a medical environment easily and conveniently to hospital staff and patient is to raise hospital property of future value under high quality of medical service.

As medical gas system like this is an indispensable hospital equipment, its plan and expense should be reviewed and accomplished in advance before installation.
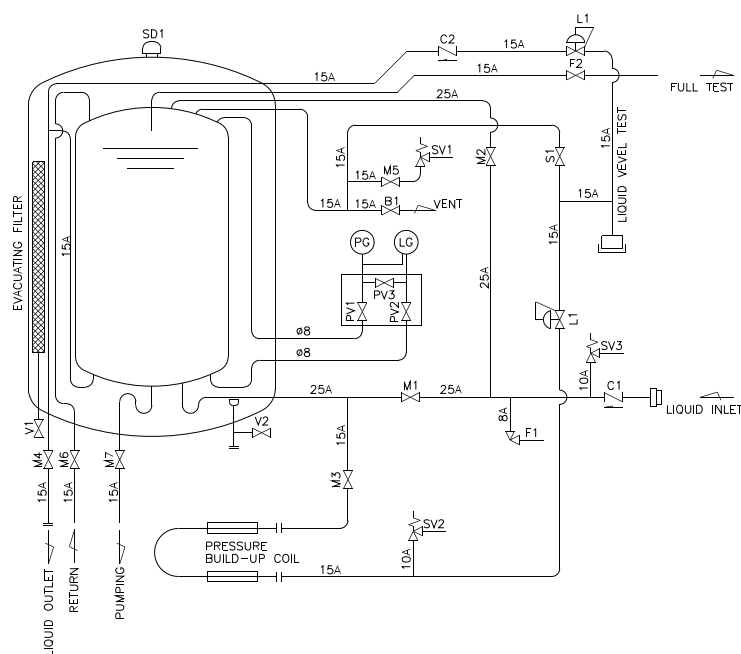

CROWN CONSOLE
MULTI CONSOLE
CEILING PENDANT
DELUXE CONSOLE
SHUT OFF VALVE
CEILING HOSE REEL
CEILING HOSE OUTLET
CEILING COLUMN
SHUT OFF VALVE
WALL OUTLET
AREA ALARM
WALL OUTLET
EVACUATION OUTLET
NITROGEN CONTROL PANEL
VACUUM PUMP SYSTEM
GAS MANIFOLD
MASTER ALARM
LIQUID OXYGEN TANK
LIQUID OXYGEN GAS MANIFOLD
AIR COMPRESSOR SYSTEM

OXYGEN	
NITROUS-OXIDE	
AIR	
VACUUM	
EVACUATION	
NITROGEN	
ALARM	

Liquid Oxygen Storage Tank

Description

Using tank lorry, filling and storing cryogenic liquid oxygen gas at low temperature situation to storage tank. It's system that vaporizes by allotted pressure and flow to order and supplies vaporized oxygen gas to a requested place.
Moreover it has merit not only for gas of safe supply but also for low supply price so that it's more proper to a large demand. If the amount of stock is less than 3 tons, it's only report base and if over 3 tons, it's permission obtained base from approval office of government.
By the amount used, capacity of vaporizer has been chosen from 20NM3/Hr into 2,000 NM3/Hr.

Feature

* Long-term hold time due to highly efficient multi-layer insulation systems
* Economizer system
* Built-in isolation valve
* Built-in Vaporizer
* The vent module has a dual safety valve and manual vent valve

Specification	MMK-LT-03	MMK-LT-05	MMK-LT-10	MMK-LT-13	MMK-LT-20
Internal Volumn (Liter)	2,770	4,900	9,720	12,270	21,200
Capacity (Liter)	2,490	4,410	8,748	11,040	19,000
Evaporation Loss (% day)	0.7	0.65	0.45	0.4	0.4
Max Working Pressure (Kg/Cm^2)	9.5	9.5	9.5	9.5	9.5
Delivery Capacity (Nm^3/Hr)	250	250	500	500	1,000

(Above specification can be changeable.)

VALVE & INSTRUMENT LIST			
NO	DESCRIPTION	SIZE	REMARKS
M1	LOWER INLET VALVE	25A	BC6 20K,LONG SHAFT,GLOBE
M2	UPPER INLET VALVE	25A	BC6 20K,LONG SHAFT,GLOBE
M3	PBC BLOCK VALVE	15A	BC6 20K,LONG SHAFT,GLOBE
M4	LIQUID OUTLET VALVE	15A	BC6 20K,LONG SHAFT,GLOBE
M5	SAFETY BLOCK VALVE	15A	BC6 20K,LONG SHAFT,GLOBE
M6	PUMP RETURN VALVE	15A	BC6 20K,LONG SHAFT,GLOBE
M7	PUMP INLET VALVE	15A	BC6 20K,LONG SHAFT,GLOBE
B1	VENT VALVE	15A	BC6 20K,LONG SHAFT,GLOBE
F1	LINE DRAIN VALVE	8A	BC6 20K,LONG SHAFT,GLOBE
F2	FULL TEST VALVE	15A	BC6 20K,LONG SHAFT,GLOBE
C1	INLET CHECK VALVE	25A	BC6 20K,LEFT CHECK
C2	ECONOMIZER CHECK VALVE	15A	BC6 20K,LEFT CHECK
L1	PRESSURIZING VALVE	20A	BC6 15K,SET PRESS 8Kg/Cm^2 G
L2	PRESSURE RELIEF VALVE	10A	BC6 15K,SET PRESS 9Kg/Cm^2 G
S1	PRESSURE RETURN VALVE	15A	BC6 20K,LONG SHAFT,GLOBE
V1	VACUUM VALVE	50A	SUS304, VACUUM
V2	VACUUM SENSOR VALVE	ø9	BC6 10K, DIAPHRAM VALVE
SV1	TANK SAFETY VALVE	ø20	BC6, SET PRESS 11.4 Kg/Cm^{2}G
SV2	LINE SAFETY VALVE	ø10	BC, SET PRESS 11.4 Kg/Cm^2 G
SV3	LINE SAFETY VALVE	ø10	BC, SET PRESS 11.4 Kg/Cm^2 G
LG	LEVER GAUGE	ø150	D.P TYPE, 0 ~ 5000 mmAq
PG	PRESSURE GAUGE	ø150	0 ~ 15 Kg/Cm^{2}G(USE NO OIL)
PV	PV1 UPPER GAUGE BLOCK VALVE	ø4	
	PV2 LOWER GAUGE BLOCK VALVE	ø4	
	PV3 BALLANCE VALVE	ø4	
SD1	OUTER VESSEL SAFETY DEVICE	ø105	

Medical Gas Manifold System

Description

Medical gas manifold system is designed to provide high gas flows while requiring minimal maintenance.
It is intended for use in applications that require an interrupted flow of gas without fluctuating line pressure.
Medical gas manifold system is available two kinds of standard model, one is fully automatic change over system, the other is semi-automatic change over system. Each specifically designed for its gas service according to ISO13485 and NFPA99.
The gas offer : Oxygen, Nitrous oxide, Compressed air, Nitrogen, may be ordered as special items.

Semi-Automatic
Manual Change-over Type

Feature

* Max. Flow : 140 Nm^3/hr
* Outlet pressure :
  Oxygen / Nitrous-Oxide / Air : 3.5 ~ 4.5 Kg/Cm^2
  Nitrgen : 7 ~ 10 Kg/Cm^2
* Dual Line pressure regulator
* High pressure regulator
* Cost effective
* Easy to maintenance and installation
* Manual device manifold is also
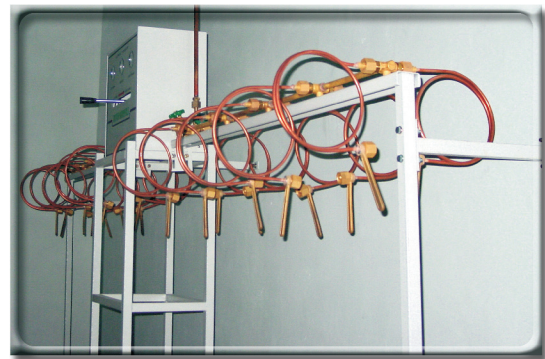 available on request.

MMK - MF - OXY - S - HxHx

Gas Code		Gas Type and Q'ty
OXY = Oxygen		H = High Pressure
N2O = Nitrous Oxide		L = Liquid
AIR = Medical air		x = Cylinder Q'ty
NIT = Nitrogen		
CO2 = Carbon Dioxide	A = Fully Automatic Change-over	
	S = Semi Automatic Change-over	

MMK - MF - OXY - S - H8H8

Flexible Type Pigtail

Copper Tube Type Pigtail

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Medical Air Compressor System

Description

It's system that makes and supplies a clean medical axenic air which compressed air created by air compressor has passed air dryer filter to remove moisture, dust and bacteria. It uses for driving a respirator, for regulating oxygen density, for removing foreign substance of operating instruments and for driving air drill of dental surgery.

Especiall in giviing a long-term oxygen to a serious case, it's system that supplies a clean medical air through outlets with oxygen from a central machinery room

Feature

* Operation with minimized noise and vibration owing to precious processing
* Adoption of high-precision bearing
* Minimized maintenance cost
* Compact and elegant structure
* High-efficiency intercooler

Construction

2 - Oil Free Air Compressor / 1 - Receiver Tank / 1 - After Cooler / 1 - Air Dryer
1 - Pre Filter / 1 - Line Filter / 1 - Coalescent Filter / 1 - Adsorbent Filter
1 - Regulator / 1 - Control Panel

MMK - AC - RB xx D S

Oil Free Compressor Type

RB = Reciprocating Bare
RP = Reciprocating Package
SB = Scroll Bare
SP = Scroll Package

IEC Horse Power (HP)

02 = 2 HP	15 = 15 HP
03 = 3 HP	20 = 20 HP
05 = 5 HP	30 = 30 HP
07 = 7.5 HP	40 = 40 HP
10 = 10 HP	50 = 50 HP

Max. Pressure
S = 7.0 Kg/Cm^2
L = 8.0 Kg/Cm^2
H = 9.9 Kg/Cm^2

Unit quantity
S = Simplex (Single)
D = Duplex (Double)
T = Triple
Q = Quadruple

Oil Free Reciprocating Bare Type

Model	Motor	Free Air Delivery (Liter/Min)	Max. Pressure (Kg/Cm^2)	Noise dB(A)	Air Outlet (inch)	Receiver Tank Capacity (Liter) Service / Main	Dehumidification Equipments
MMK-AC-RB01DS	1Hp / 0.75Kw	84	7	70	PT 3/8	66 / -	* After Cooler : 1 set * Refrigerated Air Dryer : 1 set * Pre Filter (5 Micron) : 1ea * Line Filter (1 Micron) : 1ea * Coalescent Filter (0.01 Micron) : 1 ea * Adsorbent Filter (0.01 ppm) : 1 ea * Air Regulator : 1 ea * Piping Installation Set
MMK-AC-RB02DS	2Hp / 1.5Kw	165	7	70	PT 3/8	66 / -	
MMK-AC-RB03DS	3Hp / 2.2Kw	255	7	73	PT 1/2	130 / 300	
MMK-AC-RB05DS	5Hp / 3.7Kw	430	7	75	PT 1/2	160 / 500	
MMK-AC-RB07DS	7.5Hp / 5.5Kw	640	7	80	PT 3/4	160 / 500	
MMK-AC-RB10DS	10Hp / 7.5Kw	850	7	82	PT 3/4	250 / 800	
MMK-AC-RB15DS	15Hp / 11Kw	1,250	7	85	PT 1	270 / 1,000	

Standard Power Source : 380V / 3Ph / 50Hz ~ 60Hz

(Above specification can be changeable.)

Oil Free Scroll Package Type

Model	Motor	Free Air Delivery (Liter/Min)	Max. Pressure (Kg/Cm^2)	Noise dB(A)	Air Outlet (inch)	Receiver Tank Capacity (Liter)	Dehumidification Equipments
MMK-AC-SP03DL	3Hp / 2.2Kw	271 (219)	8.0 (9.9)	49	PT 1/2	300	* After Cooler : 1 set * Refrigerated Air Dryer : 1 set * Pre Filter (5 Micron) : 1ea * Line Filter (1 Micron) : 1ea * Coalescent Filter (0.01 Micron) : 1 ea * Adsorbent Filter (0.01 ppm) : 1 ea * Air Regulator : 1 ea * Piping Installation Set * Option : - Desiccant type Air Dryer : 1 set
MMK-AC-SP05DL	5Hp / 3.7Kw	416 (352)	8.0 (9.9)	50	PT 1/2	500	
MMK-AC-SP07DL	7.5Hp / 5.5Kw	687 (571)	8.0 (9.9)	52	PT 1	500	
MMK-AC-SP10DL	10Hp / 7.5Kw	832 (704)	8.0 (9.9)	53	PT 1	800	
MMK-AC-SP15DL	15Hp / 11Kw	1,248 (1,056)	8.0 (9.9)	56	PT 1	1,000	
MMK-AC-SP20DL	20Hp / 15Kw	1,664 (1,408)	8.0 (9.9)	58	PT 1	1,000	
MMK-AC-SP25DL	25Hp / 18.75Kw	2,080 (1,760)	8.0 (9.9)	59	PT 1	1,500	
MMK-AC-SP30DL	30Hp / 22.5Kw	2,496 (2,112)	8.0 (9.9)	62	PT 1-1/4	1,500	
MMK-AC-SP40DL	40Hp / 30Kw	3,328 (2,816)	8.0 (9.9)	63	PT 1-1/4	2,000	
MMK-AC-SP50DL	50Hp / 37.5Kw	4,160 (3,520)	8.0 (9.9)	65	PT 1-1/4	2,000	

Standard Power Source : 380V / 3Ph / 50Hz ~ 60Hz

(Above specification can be changeable.)

Medical Vacuum Pump System
Water Sealed Liquid Ring Type

Description

It's system that makes vacuum pressure to remove foreign substance in the patient body and vacuum pressure keeps 0 ~ 740mmHg from air inlet connected in a line through piping
In lots of use amount at the same time, duplex system operates simutaneously and timer adheres mostly to reduce arrival time to normal pressure.

Feature

* Suitable for the exhaust of gas containing vapor or moisture
* Conduct the best capaility in low pressure
* High quality performance
* Working smoothly without any noise
* No vibration

Construction

2 - Vacuum Pump
1 - Receiver Tank
1 - Separator Tank
1 - Automatic Water Supply / Drain System
1 - Control Panel
1 - W / Standard Accessories

MMK - VP - WD xxx D

Type
W = Water sealed liquid ring
D = one stage Direct drive
C = one stage Coupling drive
T = Two stage coupling drive

IEC Horse power(HP)

Unit quantity
S = Simplex (Single)
D = Duplex (Double)
T = Triple
Q = Quadruple

Model	Type	Motor	Max. Air Flow (Liter/min | m³/hr)	Max. Vacuum (Torr | -mmHg)	Seal Water Liquid at 15℃ with NSR	Vacuum Inlet	Receiver Tank Capacity (Liter)
MMK-VP-WD030D	One Stage Direct Drive	3Hp / 2.2Kw	1,000 | 60	40 | -720	10 Liter/min	1- 1/2" | 40A	300
MMK-VP-WD050D		5Hp / 3.7Kw	1,700 | 102	40 | -720	16 Liter/min	1- 1/2" | 40A	500
MMK-VP-WD075D		7.5Hp / 5.5Kw	2,500 | 150	40 | -720	16 Liter/min	1- 1/2" | 40A	500
MMK-VP-WD100D		10Hp / 7.5Kw	3,000 | 180	40 | -720	20 Liter/min	1- 1/2" | 40A	800
MMK-VP-WC150D	One Stage Coupling Drive	15Hp / 11Kw	5,500 | 300	40 | -720	20 Liter/min	2- 1/2" | 65A	1,000
MMK-VP-WC200D		20Hp / 15Kw	6,700 | 420	40 | -720	30 Liter/min	3" | 80A	1,000
MMK-VP-WC250D		25Hp / 19Kw	8,500 | 540	40 | -720	35 Liter/min	3" | 80A	1,500
MMK-VP-WC300D		30Hp / 22Kw	10,000 | 660	40 | -720	40 Liter/min	4" | 100A	1,500
MMK-VP-WT050D	Two Stage Coupling Drive	5Hp / 3.7Kw	860 | 52	25 | -735	19 Liter/min	1- 1/2" | 40A	500
MMK-VP-WT075D		7.5Hp / 5.5Kw	1,700 | 102	25 | -735	19 Liter/min	1- 1/2" | 40A	500
MMK-VP-WT100D		10Hp / 7.5Kw	2,500 | 150	25 | -735	23 Liter/min	1- 1/2" | 40A	800
MMK-VP-WT150D		15Hp / 11Kw	3,260 | 196	25 | -735	26 Liter/min	1- 1/2" | 40A	1,000
MMK-VP-WT200D		20Hp / 15Kw	4,530 | 272	25 | -735	30 Liter/min	2" | 50A	1,000
MMK-VP-WT250D		30Hp / 22Kw	7,650 | 459	25 | -735	45 Liter/min	2" | 50A	1,500
MMK-VP-WT300D		40Hp / 30Kw	9,230 | 554	25 | -735	70 Liter/min	3" | 80A	1,500

Standard Power Source : 380V / 3Ph / 50hz ~ 60Hz   (Above specification can be changeable.)

Medical Vacuum Pump System
Oil Sealed Type & Oil Free Dry Type

Description
Oil sealed rotary vane vacuum systems are available in a multitude of configurations
Simplex tank mount, Duplex tank mount, as well as Triplex, and Quadruplex stack mount system
The system shall include interconnecting piping and wiring to provide a functional operating package with applicable electrical and plumbing connections at the installation site.
The packaged unit shall be factory assembled, tested, painted and crated prior to shipment.

Normal Operation Vacuum
 - Oil Sealed Rotary Vane Pump System
   Set at 550 ~ 700mmHg
 - Dry Rotary Vane Pump System :
   Set at 400 ~ 500mmHg

Standard Equipments
 - WOVP or WVS series Rotary Vane Pump(s)
 - Tank receiver
 - Electrical control panel
 - Integral Piping and Wirings
 - Vacuum gauge and Vacuum Control switch
 - Inlet air filter, Manual drain valve,
 - Check valve & Pump isolation valve
 - Three way solenoid valve (Optional)

MMK-VP-OS054D

Oil Sealed Type Vacuum Pump
(Below specification can be changeable.)

Model	Pump	50hz Motor (Kw)	50hz Max. Air Flow (Liter/min | m³/hr)	60hz Motor (Kw)	60hz Max. Air Flow (Liter/min | m³/hr)	Max. Vacuum (mbar | -mmHg)	Oil filling (Liter)	Vacuum Intake | Exhaust	Receiver Tank Capacity (Liter)
MMK-VP-OS024D		0.9Kw	333 | 20	0.9Kw	400 | 24	20 | -745	0.5	1/2" | 1 - 1/4"	50
MMK-VP-OS036D		1.2Kw	500 | 30	1.2Kw	600 | 36	20 | -745	1	1 - 1/4" | 1 - 1/4"	170
MMK-VP-OS054D		1.5Kw	750 | 45	1.5Kw	900 | 54	20 | -745	1	1 - 1/4" | 1 - 1/4"	170
MMK-VP-OS078D	Oil Sealed Rotary Vane Type	2.2Kw	1,083 | 65	2.2Kw	1,300 | 78	20 | -745	2	1 - 1/4" | 1 - 1/4"	400
MMK-VP-OS120D		3.0Kw	1,667 | 100	3.0Kw	2,000 | 120	20 | -745	2	1 - 1/4" | 1 - 1/4"	400
MMK-VP-OS190D		3.7Kw	2,667 | 160	3.7Kw	3,200 | 192	20 | -745	7	2" | 1 - 1/2"	400
MMK-VP-OS210D		5.5Kw	2,916 | 175	5.5Kw	3,500 | 210	20 | -745	7	2" | 2"	400
MMK-VP-OS250D		5.5Kw	3,583 | 215	5.5Kw	4,300 | 258	20 | -745	7	2" | 1 - 1/2"	900
MMK-VP-OS300D		7.5Kw	4,166 | 250	7.5Kw	5,000 | 300	20 | -745	7	2" | 2"	900
MMK-VP-OS560D		11.25Kw	6,467 | 448	11.25Kw	9,300 | 560	20 | -745	19	3" | 3"	1,500
MMK-VP-OS780D		15Kw	10,333 | 620	18.5Kw	13,000 | 780	20 | -745	19	3" | 3"	1,500

Oil Free Dry Type Vacuum Pump
(Below specification can be changeable.)

Model	Pump	50hz Motor (Kw)	50hz Max. Air Flow (Liter/min | m³/hr)	60hz Motor (Kw)	60hz Max. Air Flow (Liter/min | m³/hr)	Max. Vacuum (mbar | -mmHg)	Oil filling (Gear box) (Liter)	Vacuum Intake | Exhaust	Receiver Tank Capacity (Liter)
MMK-VP-HC120D		2.2Kw	1,667 | 100	3.0Kw	2,000 | 120	153 | -645	0.5	1 - 1/2" | 1 - 1/2"	400
MMK-VP-HC180D		3.0Kw	2,500 | 150	3.6Kw	3,000 | 180	153 | -645	0.5	1 - 1/2" | 1 - 1/2"	400
MMK-VP-HC280D	Hook&Claw Type	4.0Kw	3,900 | 234	5.5Kw	4,700 | 282	153 | -645	0.75	2" | 2"	900
MMK-VP-HC360D		5.5Kw	5,000 | 300	6.5Kw	6,000 | 360	153 | -645	0.75	2" | 2"	900
MMK-VP-HC600D		9.0Kw	8,333 | 500	11Kw	10,000 | 600	153 | -645	0.75	3" | 3"	1,500
MMK-VP-RC048D		1.25Kw	660 | 40	1.5Kw	800 | 48	150 | -647		3/4" | 3/4"	300
MMK-VP-RC078D		2.4Kw	1,110 | 67	3.0Kw	1,300 | 78	100 | -685		1" | 1"	500
MMK-VP-RC100D		3.0Kw	1,630 | 98	3.5Kw	1,860 | 112	100 | -685		1- 1/2" | 1- ½"	550
MMK-VP-RC150D	Rotary Vane Carbon Type	4.0Kw	2,150 | 129	4.8Kw	2,560 | 154	200 | -610		1- 1/2" | 1- ½"	800
MMK-VP-RC200D		4.0Kw	2,960 | 178	4.8Kw	3,630 | 218	200 | -610		2-1/2" | 2-1/2"	800
MMK-VP-RC300D		5.5Kw	4,130 | 248	6.4Kw	5,000 | 300	200 | -610		2-1/2" | 2-1/2"	900
MMK-VP-RC450D		11.0Kw	6,200 | 372	13.2Kw	7,500 | 451	200 | -610		3" | 3"	1,500
MMK-VP-RC600D		15.0Kw	8,300 | 498	18.0Kw	10,000 | 600	250 | -570		3" | 3"	1,500

MMK - VP - WD xxx D

Type
OS = Oil Sealed rotary vane
HC = Oil Free Dry Hook & Claw Type
RC = Oil Free Dry Rotary Vane Carbon Type

Max. Air Flow
at 60Hz (M3/Hr)

Unit quantity
S = Simplex (Single)
D = Duplex (Double)
T = Triple
Q = Quadruple

Hook & Claw Type

Rotary Vane Carbon Type

MMK-VP-HC360D

**MMK-VP-RC-150D**

MMK-VP-RC-200T

Shut-off Valve Unit

Description

Medical gaseous supply area in hospital devides into each floor.
It's system easily to repair only a strange occurred floor of medical gas without having an effect on another floor.

Construction

* Box : Steel 1.2t baked painting
* Panel : Steel 1.2t baked painting w/name plate
* Emergency breakable acryl panel
* 20 Kg/Cm^2 max / ball valve - KSD 5301
* Gauge : Oxygen - 15 Kg/Cm^2
         Nitrous-oxide : 15 Kg/Cm^2
         Comp-air : 15 Kg/Cm^2
         Vacuum : 760 mmHg
         Nitrogen : 35 Kg/Cm^2
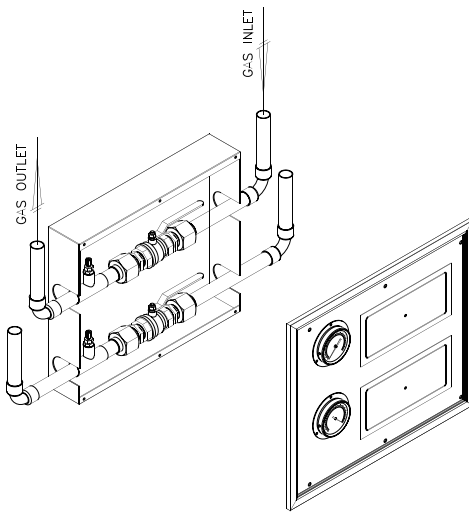
MMK - SV - WCB - O25 N25 A25

MMK - SV - WCB - 225 V25

**MMK - SV - AAB - Gxx Gxx Gxx**

Mounting Type
   WC = Wall Concealed
   WR = Wall Revealed

Gas Code
   O = OXYGEN
   N = NITROUS OXIDE
   A = MEDICAL AIR
   V = VACUUM
   2 = NITROGEN
   C = CARBON DIOXIDE

Valve Size
15 = 15A
20 = 20A
25 = 25A

Surgical Gas Control Panel

Description

Important medical gaseous using area in hospital devides into ER, ICU and OR.
It's system easily to repair only a strange occurred room of medical gas without having an effect on another rooms.

MMK - SC - 5F

Type

Wall built-in for concealed piping
  w / Monitoring gauge

Construction

* Box : Steel 1.2t baked painting
* Panel : Steel 1.2t backed painting w/name plate
* Emergency breakable acryl panel
* 20 Kg/Cm^2 max / ball valve - KSD 5301
* Gauge : Oxygen - 15 Kg/Cm^2
         Nitrous-oxide : 15 Kg/Cm^2
         Comp-air : 15 Kg/Cm^2
         Vacuum : 760 mmHg
         Nitrogen : 35 Kg/Cm^2

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Medical Gas Alarm System
Analog Display Type

Gauge display type alarm system is wall mounted unit the gas gauge monitor in up to six gases pipe line and sound alarm wire to a printed circuit board located on the rough-in assembly. Each add-on module can be programmed to provide specific information, based on the medical facility's needs.

Master Alarm

With monitoring ags flow totally and partly, it's system that monitors to take prompt action of unexpected situation with ringing a bell abnormal at a special area.
Generally master alarm installing in central control room is system to monitor an operating sound against malfunction of gas supply system. compressed air and vacuum pump, gaseous exhaustion, malfuction of machines by over electric current and so on,.

Feature

* Six alarm signal in one module
* Programmable solid red of flashing
  green indicator (led lamp)
* Audible and gauge visual alarm
* Easily tested
* Easily installed
* Modular design
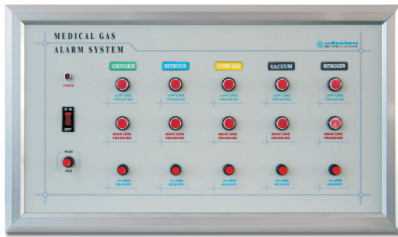
MMK-MA-WCA-ONAV2

MMK - AA - x x n - ONAV2C

Alarm Type
AA = AREA ALARM
MA = MASTER ALARM

Display Type
A = Analog
D = Digital

Mounting Type
WC = Wall Concealed
WR = Wall Revealed

Gas Code
O = OXYGEN
N = NITROUS OXIDE
A = MEDICAL AIR
V = VACUUM
2 = NITROGEN
C = CARBON DIOXIDE

220V POWER
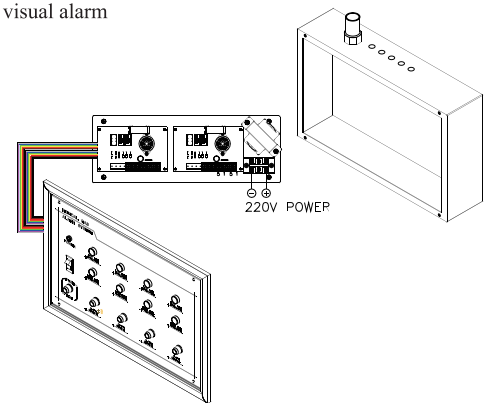
Area Alarm

With monitoring agas flow totally and partly, it's system that monitors to take prompt action on unexpected situation with ringing a bell against abnormal pressure at a special area.
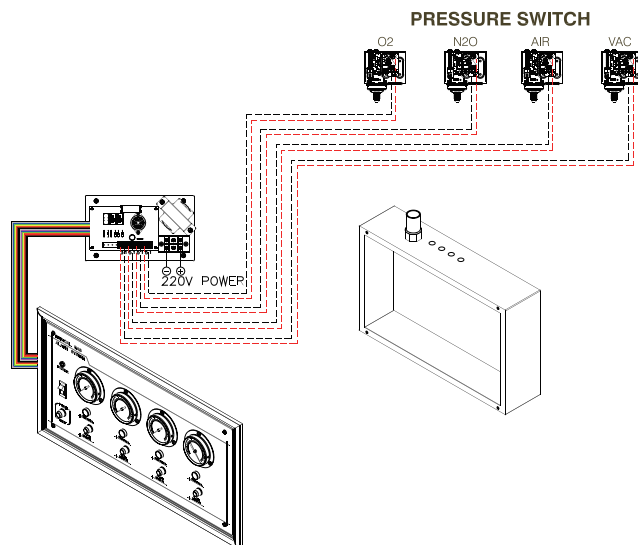Area alarm installs at each floor of corridor and nurse call station of important departents like ER, ICU, and OR and monitors an abnormal pressure ans so on.
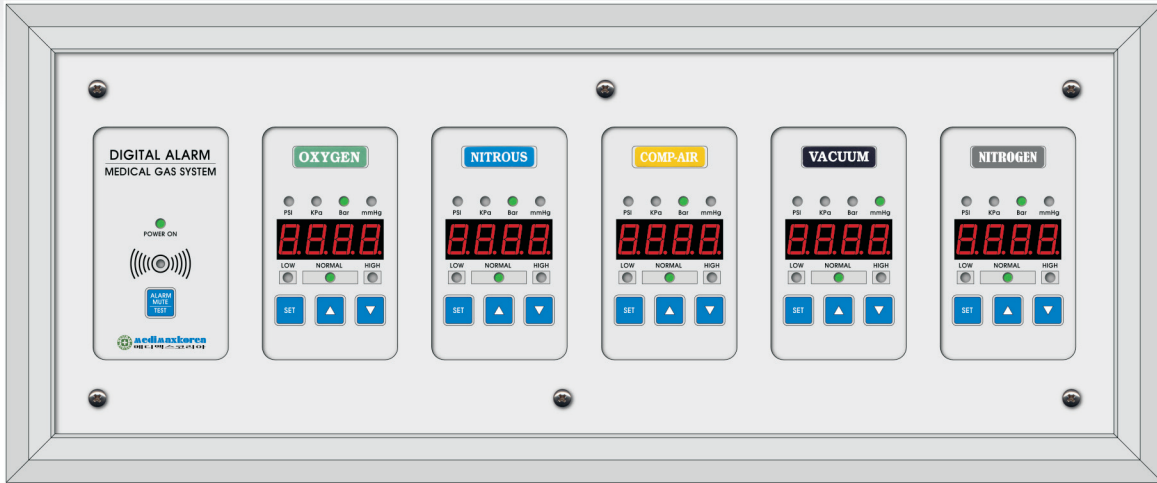
MMK-AA-WCA-ONAV2

MMK-AA-WCA-OAV

PRESSURE SWITCH

O2   N2O   AIR   VAC

220V POWER

MMK-AA-WCA-OV

Medical Gas Alarm System
Digital Display Type

Our digital display type alarm system is the intergrated system in the function of master alarm to monitor abnormal pressure signal totally in gas manifold, air compressor, vacuum pump and in the function of area alarm to monitor abnormal sectional pressure signal in ER, ICU, OR, which improved the installation and management convenience in usage, too.


MMK-AA-WCD-ONAV2 / MMK-MA-WCD-ONAV2

Feature

* Through entry port of compartmental pressure signal, master alarm module and area alarm module are used together.
* For each of display and each of sensor module, each of micro process is attached.
* Board stability improved, as separating board and unit with changing AC220V into DC12V.
* With adjusting dip switch, display pressure unit is chosen with 4 methods of psi, Kpa, Bar, mmHg
* Safe output under the minimun noise and ±0.25% high precision pressure sensor used.
* With one of 485 communication circuit to transmit the maximum 1,500m, communicated between 30 pcs of modules.
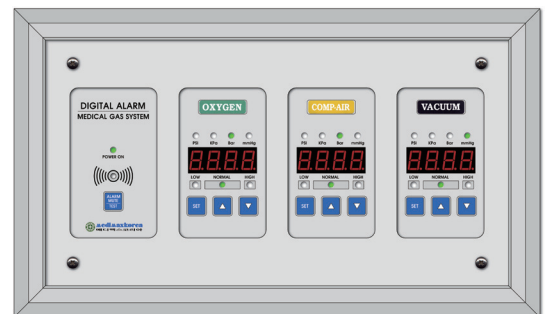
Construction

* Box : Steel 1.2t baked painting
* Panel : Aluminium 1.6t hair line finished
* Buzzer board : Power on LED / Alarm mute & Test button / buzzer
* Display board : Display FND / SET button / Up, Down button / Low, Normal, Hight LED / Units Display LED
* Pressure Transmitter : ACCURACY ±5% [non-linearity repeatability, hysteresis]
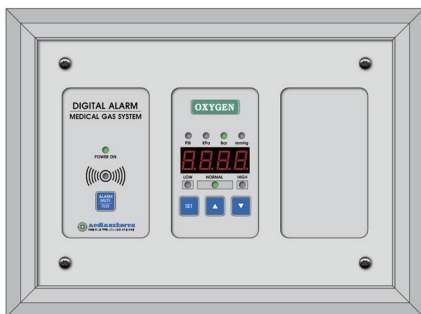
MMK-AA-WCD-O

MMK-AA-WCD-OV

MMK-AA-WCD-OAV

MMK - AA - x x n - ONAV2C

Alarm Type
AA = AREA ALARM
MA = MASTER ALARM

Display Type
A   = Analog
D   = Digital

Mounting Type
WC = Wall Concealed
WR = Wall Revealed

Gas Code
O = OXYGEN
N = NITROUS OXIDE
A = MEDICAL AIR
V = VACUUM
2 = NITROGEN
C = CARBON DIOXIDE

Medical Gas Distribution Equipment

medimaxkorea 메디멕스코리아

Medical Gas Distribution Equipment

Nitrogen Control Panel

Description

N2 has been used to drive turbo surgical instruments in orthopedic surgery and plastic surgery.
This system is to adjust a pressure of the N2 properly and it has generally concealed in the wall of OR and small OR.
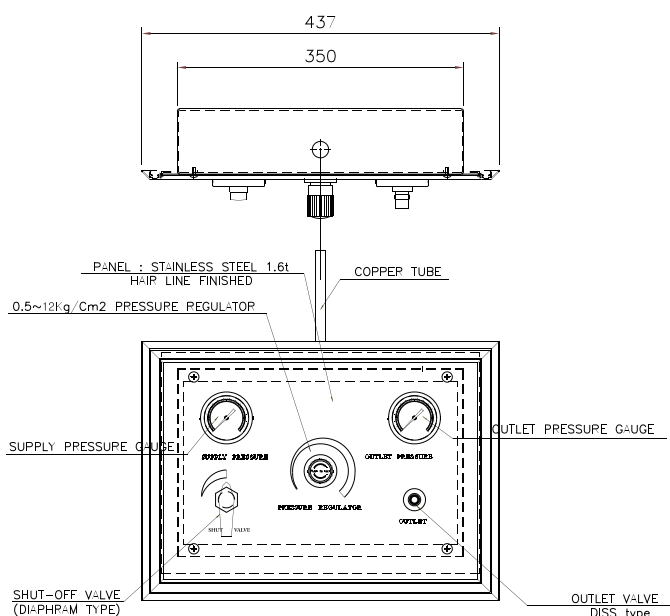
Diss Type

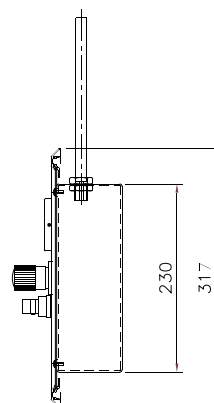

MMK - NC - DIWC

Schrader Type

MMK - NC - SHWC

MMK - NC - SH WC

Outlet Type

SH	= Schrader Type
DI	= DISS Type

Mounting Type

WC	= Wall Concealed
WR	= Wall Revealed

Construction

* Supply pressure gauge : 30Kg/Cm^2
* Outlet pressure gauge : 15Kg/Cm^2
* Pressure regulator : 0 ~ 10Kg/Cm^2
* Outlet valve
* Shut-off valve
* All outlet are 100% factory tested to be free
* Box : Steel 1.2t baked painting
* Panel : Steel 1.2t baked painting
  w/color printed p.p sheet coating

Excess Gas Purger

Description

It's system in the wall of OR that forces to exhaust unnecessarily excess anesthetic gas outside by air purging system abandoned from anesthetic machine in operation.

Construction

* Box : Steel 1.2t baked painting
* Panel : Steel 1.2t hair line finished
* Inlet excess anesthetic gas & adaptor
* When gas in-out, including light-on

MMK - PU - EX1

Ceiling Outlet
Spring Hose Type

Description

In using medical gas, this system is a basic ceiling outlet system that outlets of medical gas have been installed in ceiling of OR, Delivery Room and Premature Room which is hard wards to install outlets in the side wall.
In using it, with pulling hose down and connecting adapter, it's system to come back to an original place by spring under releasing hose.

Construction

* Ceiling cover : color coded aluminium
* Hoe : 8 feet long gum ruber
* Shut-off valve
* Retractable wire or spring type
* Quick connect check valve
* Gas : Oxygen
         Nitrous-oxide
         Medical-Air
         Vacum (Suction)

MMK - CO - xx yy - ONAVC

"xx" Ceiling Type
SH = Spring Hose Type
RH = Reel Hose Type
RB = Hose Reel Box Type

"yy" Gas Outlet Type
PI = Pin Index Twist
OH = OHMEDA
OX = OXEQUIP

Gas Name
O = Oxygen
N = Nitrous Oxide
A = Medical Air
V = Vacuum
C = Carbon Dioxide

Ceiling Outlet
Hose Reel Box Type

Description

It's system that outlets of medical gas have been installed in ceiling of OR, Delivery Room and Premature Room which is hard wards to install outlets in the side wall.
This system is for Rim Drum method that in using it, if pull it down and stop it, it stops at that place and after using it, if pull it down again, it stops to comp up over our tall.
As a proper height of outlet has been adusted by place of gas using, it's more convenient than hose outlet type of wire and spring
And its length can be adjustable to about 4 meter

Construction

* Ceiling cover : color coded aluminium
* Hoe : 15 feet long gum rubber
* Retractable hose reel w/auto lock device
* Quick connect check valve w/dust cover
* Gas : Oxygen / Nitrous-oxide / Medical-Air /
         Vacum (Suction) / Evacuation

Ceiling Column

Description

It's system to supply medical gas and sources of electicity through column attached receptacle and check valve and installed and the column moves up and down and fixes to concrete roof in the ceiling of OR.

MMK - CU - PU

"yy" Gas Outlet type
PU = Pin push button
OH = Ohmeda
OX = Oxequip
PB = Puritan Bennett

Type

* Vacuum powerd retractable type
* None-retractable fixed position type

Construction

* Box : Stainless steel 1.2t hair-line finished
* Panel : STS304 2t

Consisting of

* Oxgen, Nitrous-oxide, Air, Vacuum Outlet
* Evacuation outlet (option)
* Pneumetic drive control switch

Ceiling Pendant System

Description

It's system to supply medical gas and sources of electricity through an external case.
First it makes a mold fixed and installed to concrete roof in the ceiling of OR and the mold has been adhered to an external case included devices (receptacle and check valve) to supply medical gas and sources of electricity to anesthetic machine and some equipments

This system is available in every direction and freely adjustable height. Also freely rotation of monitor shelf.

Practicality

* Anesthesia department
* Recovery room
* Intensive care unit
* Endoscope field
* General surgery
* Obstetrics & Gynecology
* Emergency room

Integration

* Basic arms and joints can be organized in various ways as shown in the picture.
* All the joints can be rotated up 340 and have a break
* There are two types of infusion holders-automatic type to move automatically up and down and manually operable type
* Infusion pump is available on demand
* Inclination of the vertical is adjusted automatically by the high precision sensor, mechanical devices, and computer.
* Warning is given automatically if load over design limit detected.
* LCD monitor can be fixed on both sides of the machine or any location when necessary.
* CCD camera can control its direction and magnification by remote control.
* Shelves, drawers, computer, keyboards, and so on can be installed.
* Height adjustable table for documentation work
* Built-in speaker for indoor broadcasting
* Height of the machine is fixed or may be adjusted by electric motor.
* Height of each board can be easily adjusted manually
* There are many reels to organize electricity cable, detection sensor cables, and hoses.
* Supply order : 110V, 220V, 380V, LAN, RF, USB, RGB, Telephone, Interphone, other signal data
* Gas supply : O2, N2O, AIR, Co2, AGSS, Suction other gas outlet.

Arm Type

Vertical   Single   Double   Vertical + Double   Single + Double   Double Two   Transfer
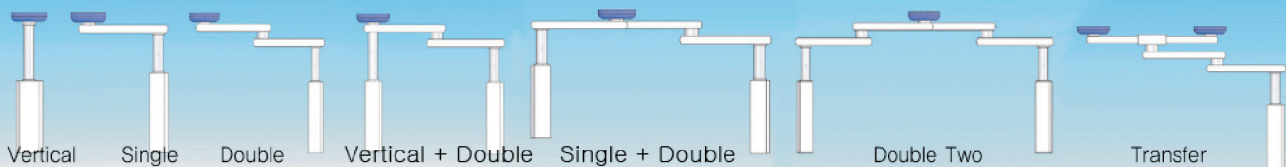
Arm Length
Single type / 110, 1000, 900, 800, 700mm
Double type / 2100, 2000, 1900, 1800mm
Transfer type / 2~3m
Other order type

Arm Load
Single type /
Heavy load type 200kg
Normal load type 150kg
Light load type 100kg

Double type/
Heavy load type 200kg
Normal load type 100kg
Light load type...........50kg

(Above specification can be changeable.)

MMK - CP - XX YY - N 1000

"XX" Arm Type
VA = Vertical Arm
SA = Single Arm
DA = Double Arm
VD = Vertical + Double Arm
SD = Single + Double Arm
DT = Double Two Arm
TA = Transfer Arm

"YY" Body Type
S   = Standard
M   = Motor Lift
L   = Heavy Load

Arm Length
Single Type   = 1,100 / 1,000 / 900 / 800 / 700mm
Double Type   = 2,100 (1,000 + 1,000) / 2,000 (1,000 + 1,000)
                1,900 (1,000 + 900) / 1,800 (1,000 + 800)mm
Transfer Type = 2000 ~ 3000mm

Arm Load
Single Type
H   = Heavy Load Type : 200 Kg
N   = Normal Load Type : 150 Kg
L   = Light Type : 100 Kg

Double Type
H   = Heavy Load Type : 200 Kg
N   = Normal Load Type : 100 Kg
L   = Light Type : 50 Kg

Double Arm Standard

Model No : MMK - CP - DAS - N1900

Single Arm Standard

Model No : MMK - CP - SAS - N1000

Front View　　　　**Rear View**

Optional Accessory

Monitor arm / LCD monitor / CCD camera / Side lamp / Interphone / Speaker
Auto infusion pile / Infusion pole / Drawer / Digital clock / Digital time counter
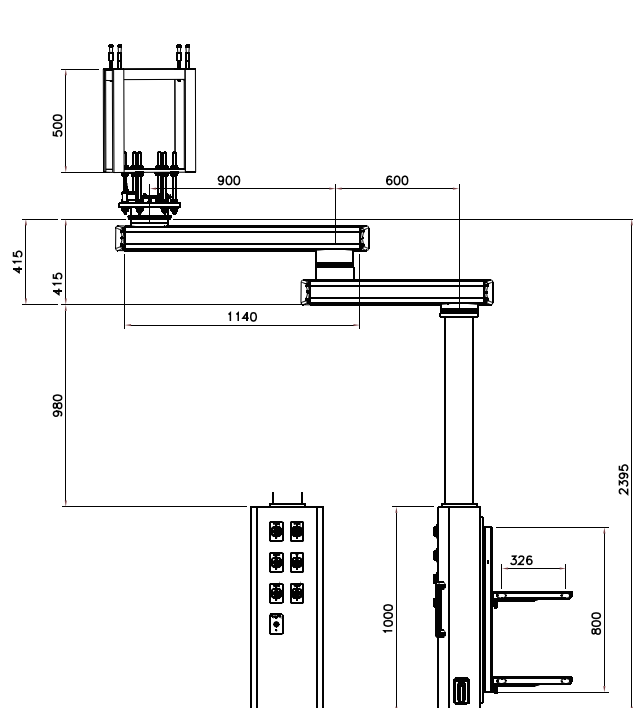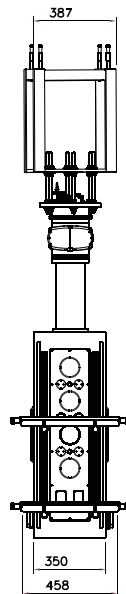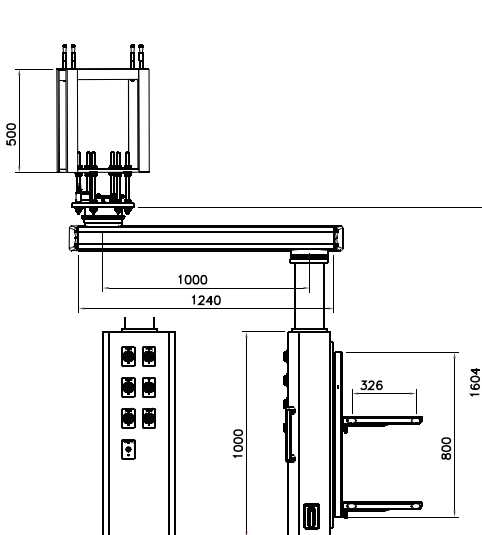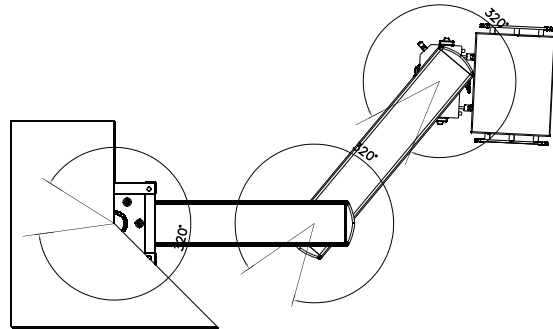D.C power / Auto vertical device / Computer set / Auto scavenger / Call button
Gas outlet / O2 flowmeter / Suction Bottle / Other

Body Construction

1. Shelve	---------------	3
2. Power 220V	---------------	7
3. Power 100V	---------------	2
4. Power 380V	---------------	1
5. Ground	---------------	3
6. Gas outlet	---------------	6
7. Lan	--------------	2
8. RF	---------------	1
9. Cable reel	---------------	3
10. Telephone	---------------	1
11. Work table	---------------	1
12. Lift motor	---------------	1
13. Cable door	---------------	1
14. USB	---------------	1
15. Data port	---------------	1

Medical Gas Distribution Equipment
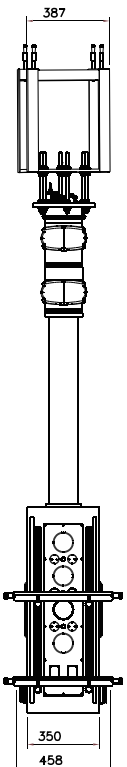
Wall Outlet

CE 0120

Description

It's general system installed from one outlet to five outlets at wall side of OR, Treatment Room and general ward through safety device to use each gas smoothly supplied from cental supply system of medical gas.
This system have structure that gas flows just to fix adapter in use and gas confirmly closes just to draw out it from outlet.
Also it's an inpossible to mix different kinds of gases due to different structure of adapters and outlets by kind of gas.
It's a safe by double safety device, namely, check. Not only it's a convenient by module method for functional addition and maintenance but also it makes hospital more safe ward atmosphere by a beautiful apprerance.
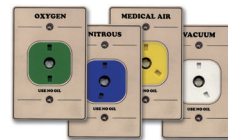
Wall Outlet - Back Plate Type

Outlet Type	Gas	Model No
Pin Push Button Type		
	Oxygen	GO-BPPU-O
	Nitrous Oxide	GO-BPPU-N
	Medical Air	GO-BPPU-A
	Vacuum	GO-BPPU-V
Puritan Bennett Type		
	Oxygen	GO-BPPB-O
	Nitrous Oxide	GO-BPPB-N
	Medical Air	GO-BPPB-A
	Vacuum	GO-BPPB-V
Ohmeda Type		
	Oxygen	GO-BPOH-O
	Nitrous Oxide	GO-BPOH-N
	Medical Air	GO-BPOH-A
	Vacuum	GO-BPOH-V

Model No :
MMK-GO-BPPU-OVS

Wall Outlet - Box Type

Wall Concealed Box
Pin Index Twist
Oxygen
MMK-GO-WCPI-O

Mounting Type : **Wall Concealed Box**
Outlet Type : Pin Push Button
Gas : Oxygen
Model No : MMK-GO-WCPU-O
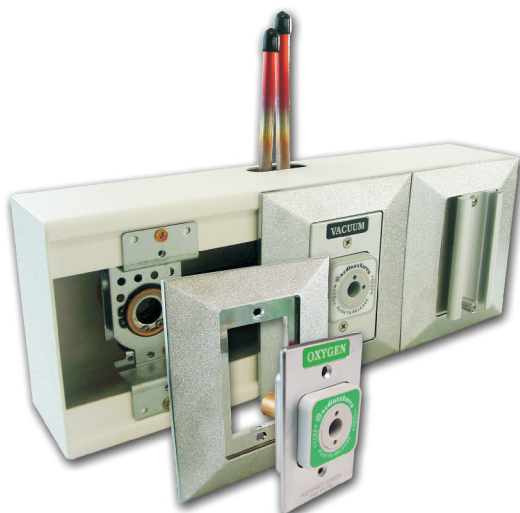
Mounting Type : **Wall Revealed Box**
Outlet Type : Pin Push Button
Gas : Oxygen, Vacuum, Slide Base
Model No : MMK-GO-WRPU-OVS

MMK - GO - XX YY - ONAVCS

"XX" Mounting Type
WC = Wall Concealed Box
WR = Wall Revealed Box
BP = Wall Concealed Back Plate
C4 = Console Outlet (Cylinder L47)
C3 = Console Outlet (Cylinder L38)

"YY" Outlet Type
PI = Pin Index Twist
PU = Pin Push Button
OH = Ohmeda
OX = Oxequip
PB = Buritan Bennett
DI = DISS

Gas
O = Oxygen
N = Nitrous Oxide
A = Medical Air
V = Vacuum
C = Carbon Dioxide
S = Slide Base (Bottle Hanger)

Multi Console System

Description

It's a general ward care system that equips electric power, medical oxygen, medical vacuum, personal reading light, nurse call on one panel to treat efficiently patients.
This system fixs and installs on wall side in a general ward to nurse and manage patients easily so that also offers more safe and efficient care circumstance to patients and medical staff.
Especially this system has been equipped with monitor shelf so that it has a benefit to more wide space utility.
Also beautiful design finished rounding makes to look better ward atmosphere.
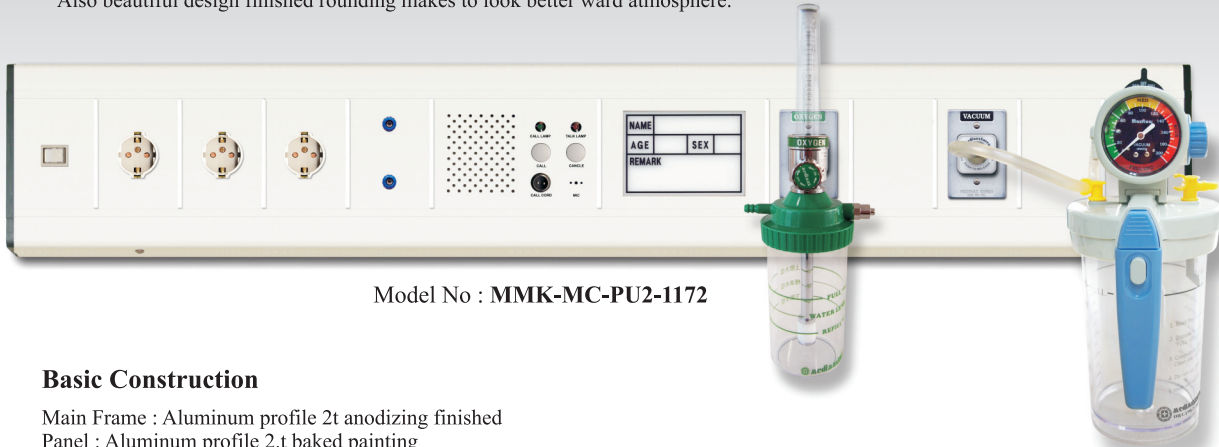
Model No : **MMK-MC-PU2-1172**

Basic Construction

Main Frame : Aluminum profile 2t anodizing finished
Panel : Aluminum profile 2.t baked painting
Upper/Lower Cover : Aluminum profile 1.5t baked painting
Standard Lenght : Body - 1,172mm
Total Weight : 5.431Kg (4.634 Kg/m)

Optional Accessory

Flowmeter with Humidifier
Wall Suction Unit / Nurse Call

Description	Specification	Q'ty
Switch	Single	1
220V Receptacle	Single	3
Ground	Duplex	1
Nurse Call (Option)		1
Name Plate	Standard	1
Oxygen Gas Outlet	Pin Push Button Type	1
Vacuum Gas Outlet	Pin Push Button Type	1
Slide Base	Aluminium	1
Fluorescent Lamp	220V / 20Watt	1

(Above specification can be changeable.)

MMK - MC - XX Y - 1172

Gas outlet type

PI	=	Pin Index Twist
PU	=	Pin Push Button
OX	=	Oxequip
OH	=	Ohmeda
PB	=	Puritan Bennett

Body Lenght

Gas outlet Q'ty
0 = Non Gas (Electric Console)
2 = Oxygen, Vacuum
3 = Oxygen, Air, Vacuum

No	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
01	SWITCH	SINGLE	1	DIRECT LAMP ON/OFF
02	220 VOLT RECEPTACLE	DOUBLE	3	ELECTRIC WIRE : KIV 2.0mm
03	GROUND JACK	ø30×47	1	ELECTRIC WIRE : HKIV 4.0mm (GREEN)
04	NURSE CALL	ONLY PANEL	1	(NURSE CALL : OPTION)
05	NAME PLATE		1	ACRYLIC
06	FLUORESCENT LAMP	220V, 20Watt	1	DIRECT LAMP
07	GAS OUTLET (OXYGEN)	PIN PUSH BUTTON TYPE	1	ENGINEERING PLASTIC
08	BLANK		1	AL 6063 T5
09	GAS OUTLET (VACUUM)	PIN PUSH BUTTON TYPE	1	ENGINEERING PLASTIC
10	LINEAR PARTITION		11	ENGINEERING PLASTIC
11	SLIDE BASE	49.4×12.9×100L×1.5t	1	AL 6063 T5

Done by ecectric construction company

1. Concealed 2function switch box : (102×102×44)
2. Electric entry : (220V/3P/2.5SQ)
3. Communication line entry : (CVV SB 0.75mm × 4C)
   Refer to wiring diagram of nurse call construction company

Done by medical gas construction company
1. Medical gas piping entry : OXYGEN=ø9.52
   VACUUM=ø9.52

Intensive Care Primary Equipment

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Crown Console System
Standard Type

Description

It's an intensive care system for a serious care that equips electric power, medical oxygen, medical vacuum, personal reading light, nurse call on one panel to treat efficiently patients. This system fixs and installs on wall side in ICU to nurse and manage patients easily so that also offers more safe and efficient care circumstance to patients and medical staff.

This system grows out of a previous fixed specifications and simple shape so that it's possible to a various composition and it feels beautiful apprerance, too. It makes hospital more safe ward atmosphere.
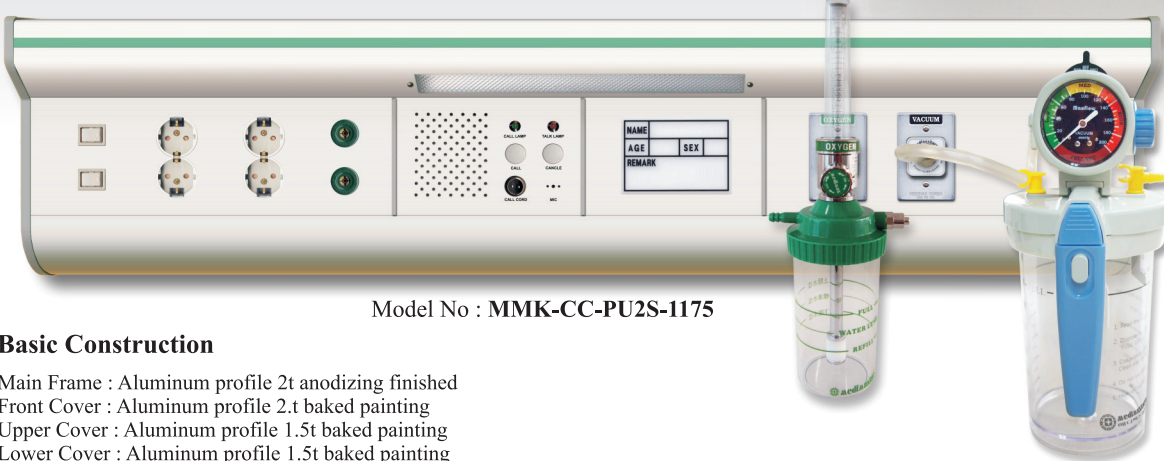
Model No : **MMK-CC-PU2S-1175**

Basic Construction

Main Frame : Aluminum profile 2t anodizing finished
Front Cover : Aluminum profile 2.t baked painting
Upper Cover : Aluminum profile 1.5t baked painting
Lower Cover : Aluminum profile 1.5t baked painting
Standard Lenght : Body - 1,175mm
Total Weight : 7.153Kg (6.088 Kg/m)

Description	Specification	Q'ty
Switch	Double	1
220V Receptacle	Double	2
Ground	Duplex	1
Nurse Call (Option)		1
Name Plate	Standard	1
Oxygen Gas Outlet	Pin Push Button Type	1
Vacuum Gas Outlet	Pin Push Button Type	1
Slide Base	Aluminium	1
Fluorescent Lamp	220V / 20Watt	2

(Above specification can be changeable.)

MMK - CC - XX Y S - 1175

Gas outlet type
PU = Pin Push Button
OX = Oxequip
OH = Ohmeda
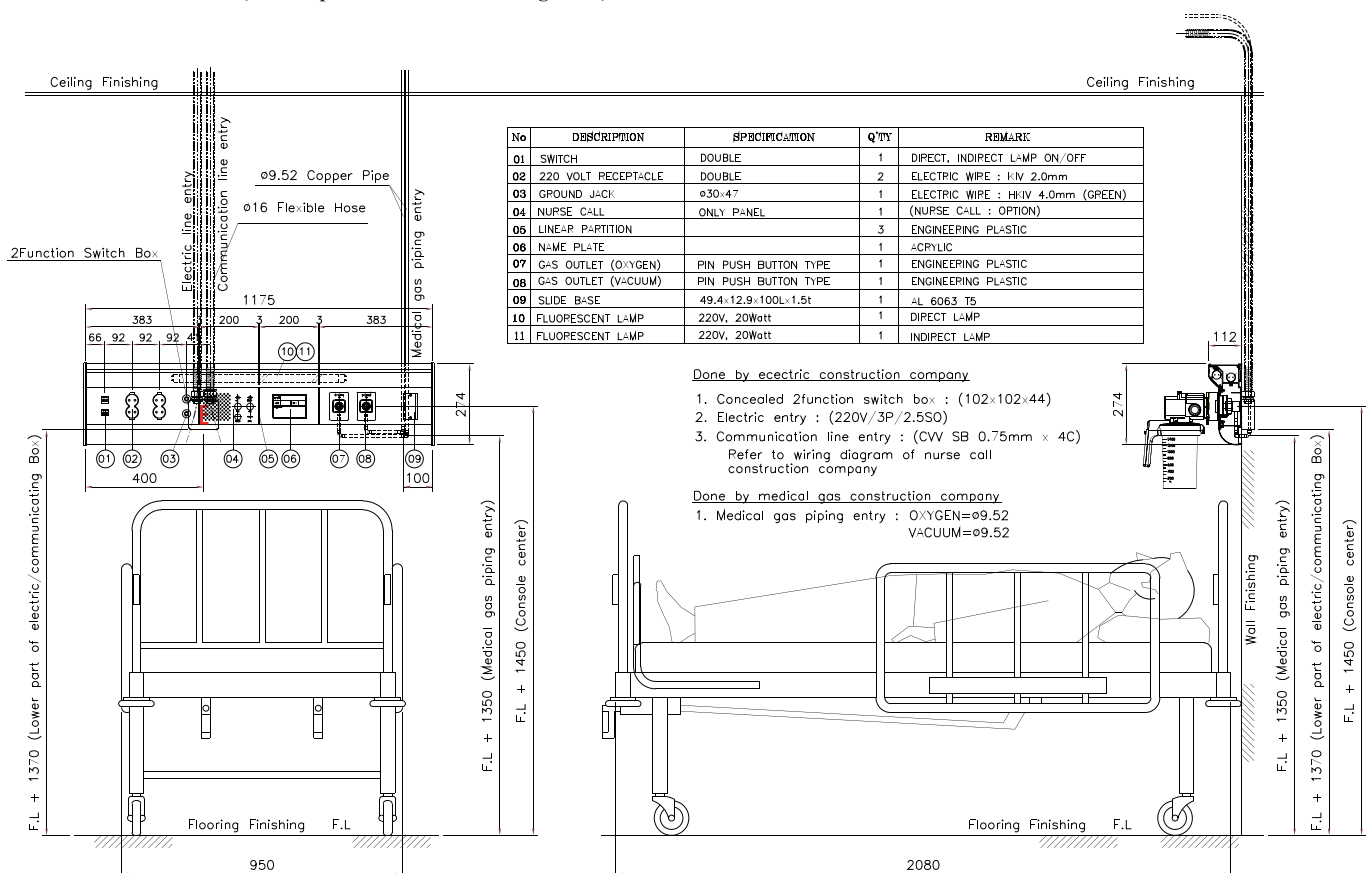PB = Puritan Bennett

Body Lenght
Console Type
S = Standard
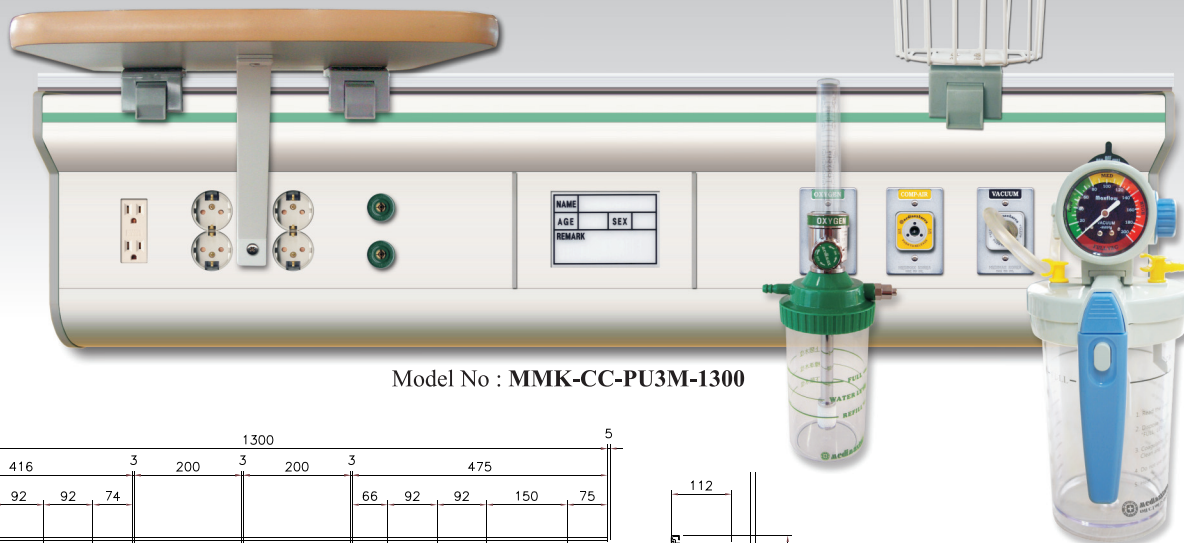M = Simple Rail
J = Jumbo Rail

Gas outlet Q'ty
0 = Non Gas (Electric Console)
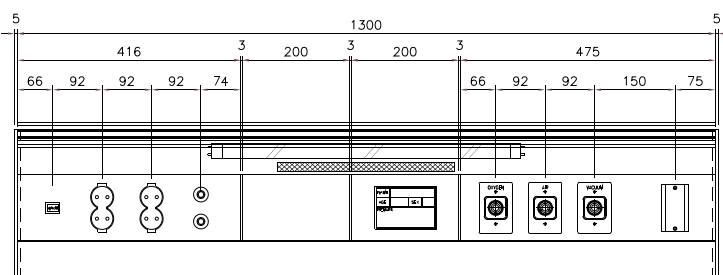2 = Oxygen, Vacuum
3 = Oxygen, Air, Vacuum

Optional Accessory
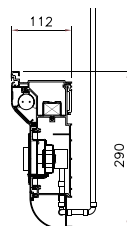
Flowmeter with Humidifier
Wall Suction Unit / Nurse Call

Ceiling Finishing

ø9.52 Copper Pipe
ø16 Flexible Hose

2Function Switch Box

Electric line entry
Communication line entry
Medical gas piping entry

1175
383   200   3   200   3   383
66 92 92 92 4

10 11

383

274

01 02 03   04 05 06 07 08 09

400
100

No	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
01	SWITCH	DOUBLE	1	DIRECT, INDIRECT LAMP ON/OFF
02	220 VOLT RECEPTACLE	DOUBLE	2	ELECTRIC WIRE : KIV 2.0mm
03	GROUND JACK	ø30×47	1	ELECTRIC WIRE : HKIV 4.0mm (GREEN)
04	NURSE CALL	ONLY PANEL	1	(NURSE CALL : OPTION)
05	LINEAR PARTITION		3	ENGINEERING PLASTIC
06	NAME PLATE		1	ACRYLIC
07	GAS OUTLET (OXYGEN)	PIN PUSH BUTTON TYPE	1	ENGINEERING PLASTIC
08	GAS OUTLET (VACUUM)	PIN PUSH BUTTON TYPE	1	ENGINEERING PLASTIC
09	SLIDE BASE	49.4×12.9×100L×1.5t	1	AL 6063 T5
10	FLUORESCENT LAMP	220V, 20Watt	1	DIRECT LAMP
11	FLUORESCENT LAMP	220V, 20Watt	1	INDIRECT LAMP

Done by ecectric construction company
1. Concealed 2function switch box : (102×102×44)
2. Electric entry : (220V/3P/2.5SO)
3. Communication line entry : (CVV SB 0.75mm × 4C)
   Refer to wiring diagram of nurse call construction company

Done by medical gas construction company
1. Medical gas piping entry : OXYGEN=ø9.52
   VACUUM=ø9.52

112
274

Ceiling Finishing

Wall Finishing

F.L + 1370 (Lower part of electric/communicating Box)
F.L + 1350 (Medical gas piping entry)
F.L + 1450 (Console center)

Flooring Finishing   F.L
950

Flooring Finishing   F.L
2080

Crown Console System
Monitor Shelf - Simple Rail Type

Model No : **MMK-CC-PU3M-1300**
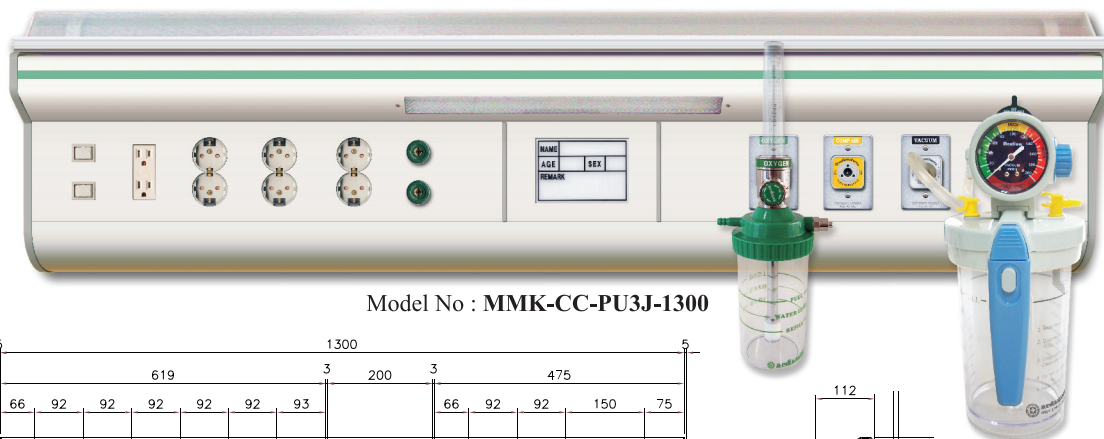

(Above specification can be changeable.)

Optional Accessory

Monitor Shelf / Infusion pole
B.P Basket / Utility Basket / Nurse Call
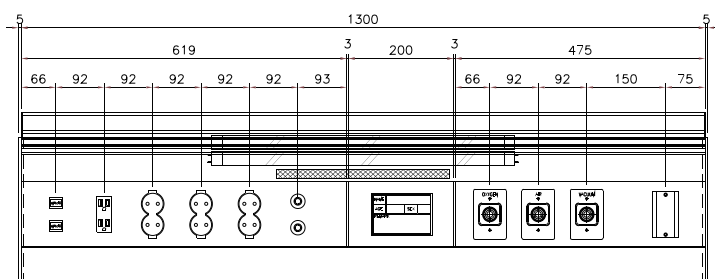Flowmeter with Humidifier / Wall Suction Unit
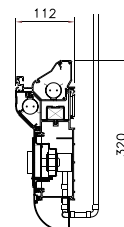
Simple Rail Type
2Bed Long Style

Crown Console System
Monitor Shelf - Jumbo Rail Type

Model No : **MMK-CC-PU3J-1300**

(Above specification can be changeable.)

**Intensive Care Primary Equipment**

Deluxe Console System

Description

It's an intensive care system for a serious care that equips electric power, medical oxygen, medical vacuum, personal reading light, nurse call on one panel to treat efficiently patients. This system fixs and installs on wall side in ICU to nurse and manage patients easily so that also offers more safe and efficient care circumstance to patients and medical staff.
This system grows out of a previous fixed specifications and simple shape so that it's possible to a various composition and it feels beautiful aprerance, too. It makes hospital more safe ward atmosphere.

Basic Construction

Main Frame : Aluminum profile 2t anodizing finished
Lower Cover : Aluminum profile 1.5t baked painting
Front Panel : 169mm x 1.6t Steel Plate
Lower Panel : 55mm x 1.6t Steel Plate
Standard Lenght : Body - 1,300mm
Total Weight : 12.930Kg (9.946 Kg/m)
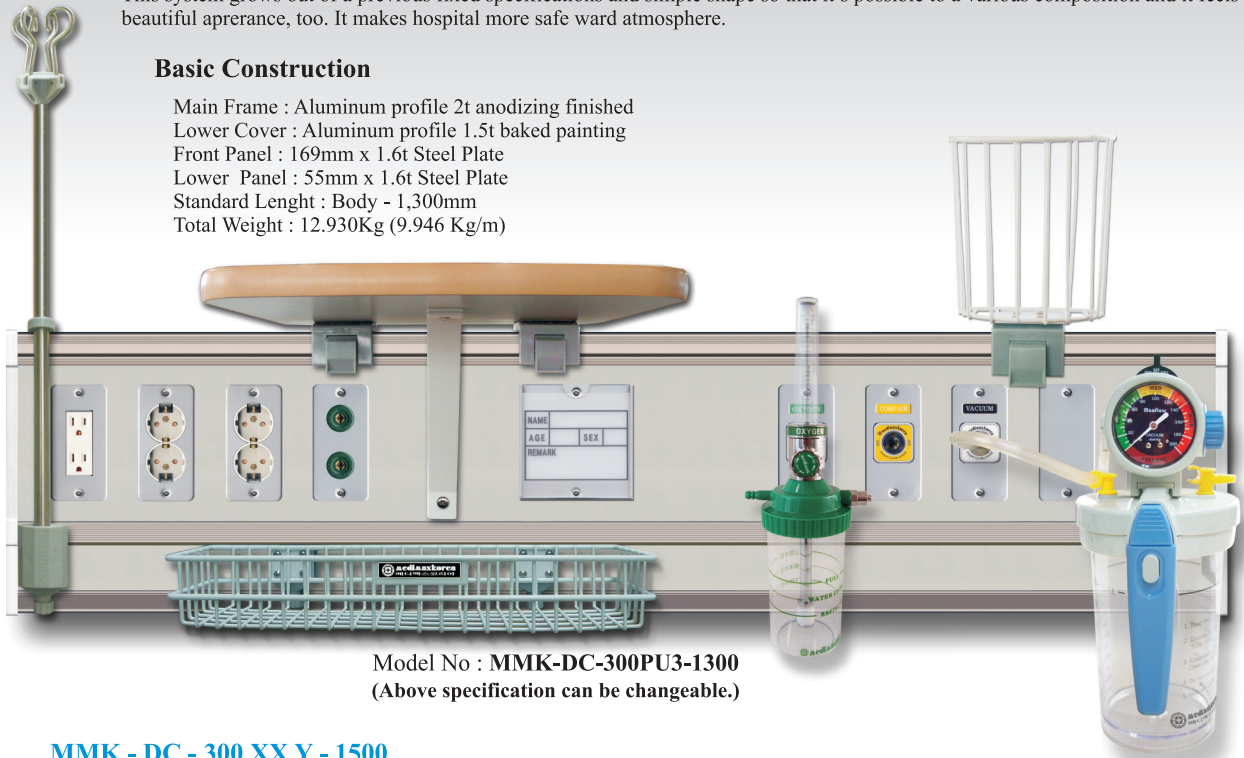
Model No : **MMK-DC-300PU3-1300**
(Above specification can be changeable.)

MMK - DC - 300 XX Y - 1500

Console Type
300 = Low Body 300 Type
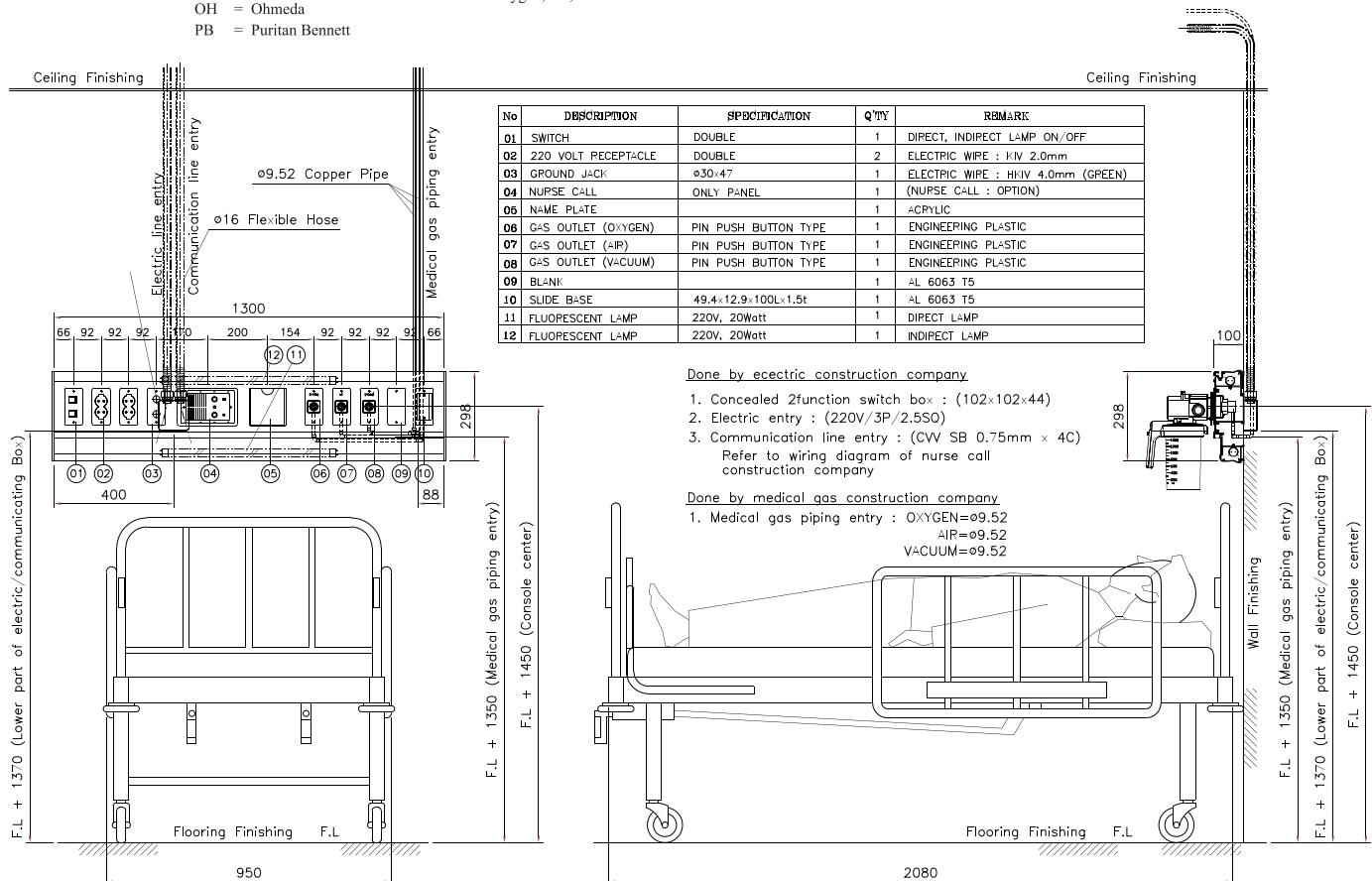350 = Low Body 350 Type

Body Lenght

Gas outlet type
PU = Pin Push Button
OX = Oxequip
OH = Ohmeda
PB = Puritan Bennett

Gas outlet Q'ty
0 = Non Gas (Electric Console)
2 = Oxygen, Vacuum
3 = Oxygen, Air, Vacuum

Optional Accessory

Monitor Shelf / Infusion pole
B.P Basket / Utility Basket / Nurse Call
Flowmeter with Humidifier / Wall Suction Unit

No	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
01	SWITCH	DOUBLE	1	DIRECT, INDIRECT LAMP ON/OFF
02	220 VOLT RECEPTACLE	DOUBLE	2	ELECTRIC WIRE : KIV 2.0mm
03	GROUND JACK	ø30×47	1	ELECTRIC WIRE : HKIV 4.0mm (GREEN)
04	NURSE CALL	ONLY PANEL	1	(NURSE CALL : OPTION)
05	NAME PLATE		1	ACRYLIC
06	GAS OUTLET (OXYGEN)	PIN PUSH BUTTON TYPE	1	ENGINEEPING PLASTIC
07	GAS OUTLET (AIR)	PIN PUSH BUTTON TYPE	1	ENGINEEPING PLASTIC
08	GAS OUTLET (VACUUM)	PIN PUSH BUTTON TYPE	1	ENGINEEPING PLASTIC
09	BLANK		1	AL 6063 T5
10	SLIDE BASE	49.4×12.9×100L×1.5t	1	AL 6063 T5
11	FLUORESCENT LAMP	220V, 20Watt	1	DIRECT LAMP
12	FLUORESCENT LAMP	220V, 20Watt	1	INDIRECT LAMP

Done by ecectric construction company
1. Concealed 2function switch box : (102×102×44)
2. Electric entry : (220V/3P/2.5SQ)
3. Communication line entry : (CVV SB 0.75mm × 4C)
   Refer to wiring diagram of nurse call construction company

Done by medical gas construction company
1. Medical gas piping entry : OXYGEN=ø9.52
                              AIR=ø9.52
                              VACUUM=ø9.52

Nursery Educational Unit

Description

This system is for education to nurse which reconstructs console unit installed at the upper wall side of bed to offer an electric power and medical gas for patient treatment. As it's for education to nurse, this system takes the focus on more independent and free movement.
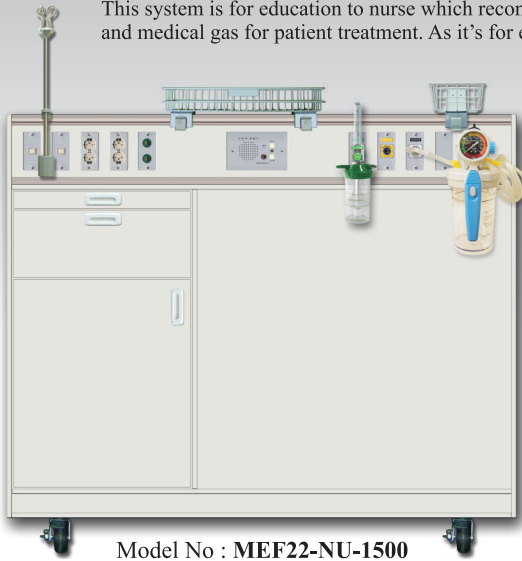
Especially it helps an educational process more conveniently and efficiently that keeps a low noise below 40db without having an effect on human body badly in operation. Moreover small air compressor and vacuum pump equipped inside panel creates positive pressure and negative pressure for itself without and assistance of an external supply sources.

Various accessories have been installed to use the upper rail system and it includes built-in drawers, too.
Besides not only it has a convenient movement but also it is proud of a very beautiful design and solid.

* Construction durability with laminate panels.
* Over 100 plastic laminate color selections to complement your room decor.
* Available every application - service outlet can be potional fix as hospital requirement.
* Installation is fast, simple, economical.

Model No : **MEF22-NU-1500**

Desk Wall System

Description

Desk Wall System / Semi Wall Care Unit / Multi Service Station

To treat efficiently patients needed a intensive care in ICU, ER, Recovery Room, it's system that equips systematically medical assisting service including medical gas, electricity, grounding, lighting and adhesive system of medical devices.

As it's also an independent type in comparison with console system fixed and installed at wall side, it's of great advantage to an efficient space utility. Also maintenance is easy as module made.

* Improve every patient room
* Match individualized requirements and meet optional needs.
* Construction durability with AL profile and laminate panels.
* Over 100 plastic laminate color selections to complement your room decor.
* Available every application - service outlet can be potional fix as hospital requirement.
* Installation is fast, simple, economical.

Optional Accessory

B.P Basket / Utility Basket
Infusion pole / Nurse Call
Flowmeter with Humidifier / Wall Suction Unit

Model No : **MMK-SS-2200**

Flat Wall System

Description

The Flat wall's attractive, uncluttered appearance gives any room a neat, clean, appearance.
Clean straight line design units available in any width or height to suit your patient service needs.
Economical solution to patient care needs.

* Improve every patient room
* Match individualized requirements and meet optional needs.
* Construction durability with AL profile and laminate panels.
* Over 100 plastic laminate color selections to complement your room decor.
* Available every application - service outlet can be potional fix as hospital requirement.
* Installation is fast, simple, economical.

Optional Accessory

B.P Basket / Utility Basket
Infusion pole / Nurse Call
Flowmeter with Humidifier / Wall Suction Unit

Intensive Care Primary Equipment

Intensive Care Secondary Equipment

Flowmeter w/Humidifier

MMK-FH-15

CE 0120 SGS SGS GMP

Description

With connecting to gas outlet, it's device to supply oxygen to patient as regulating artificial oxygen flow.
It has a merit not to be broken easily with strong durability and it's smooth surface treatment with polycarbonate glass materials, too.

Features

* Bubble type Humidifier for Oxygen
* Calibrate 3.5 Kg/Cm^2 (50PSIG) inlet pressure
* Operating Rant : 0 ~ 15 LPM
* Humidification vessel : Name capacity - 230ml / Use capacity : 100ml
  (Low water level - 130ml, High water level - 230ml)
* Solid brass body chrome plated for durability.
* Control valve is back pressure compensated so flow accuracy is not effect by
  Restrictions caused by humidifier
* Unbreakable polycarbonate bottle & Provides an audible alarm humidifier

Oxequip

Ohmeda

Puritan Bennett

Pin index

Regulator w/Flowmeter & Humidifier

MMK-RF-R1

Description

With connecting to portable oxygen cylinder, it's device to supply oxygen to patient as regulating artificial oxygen flow.

Features

Single-stage Oxygen pressure regulator with a flowmeter and humidifier.
* Inlet Pressure : 150 Kgf/Cm^2 (2134 PSIG)
* Outlet Pressure : 3.0 Kgf/Cm^2 (43 PSIG)
* Outlet Flowrate : 0 ~ 15 Liter/Min
* Remarks : Pressure gauge 250 Kgf/Cm^2 (3556 PSIG)
* Weight : 1.5 Kg

Wall Suction Unit

CE 0120

Description

It consists of suction regulator and suction container. With connecting to vacuum outlet of hospital and as regulating pressure properly, it's device to remove a foreign substance from patient.

Separating suction trap unit has an automatical opened and closed floating valve taking double protection function against a foreign substance.

And it endures not only high pressure of stirilizing disinfection but also infoms a dangerous situation easily as alarm sound operated before foreign substance overflows.

Product Characteristic

- Use gas : Vacuum for medical care.
- Standard pressure : 600 mmHg
- Maximum pressure : 760 mmHg
- Noise : below 60db in 1m streets.

 * Lightweight construction
 * High impact plastic body
 * Easy to clean

◙ Beautiful round design of the device.
◙ Appling unique anti-overflow and alarm system.
◙ Improved capability of battle and shorten height makes the device not be disturbed by medical bed.
◙ Hole-in-hose can be moved by patient location and it has a rack for clearing hose.

Three mode adjustment control
- REG : Be consecutive sucking to pressure adjusted.
- OFF : Sucking pressure block.
- FULL : The maximum sucking pressure which we are supplied.

Suction control knob
On / off, Increase / Decrease
Vacuum regulation range : 0 ~ 200mmHg

* Patient hose nipple.
* Bottle cover.

* One touch
 suction regulator separation.

* Reliable anti
 overflow floater

MMK-WC-A1400

- 4 Color coded gauge
- Integral bellows type Gauge
- Vacuum regulation range : 0 ~ 200mmHg
- Low : 0 ~ 80 mmHg
- Med : 80 ~ 120 mmHg
- High : 120 ~ 200 mmHg
- Full : 200 ~ Maximum vacuum

* One touch
 Bottle cover separation.

* Handle

* Unbreakable polycabonate
 collection bottle (1400cc)

MMK-WC-D1400

- Vacuum regulation range : 0 ~ 760mmHg
- First display : 30 mmHg
- Power : Battery (AA size x 2ea /
         3.6V / 2.4A / Parallel connection)
- Program lodding time : Less than 5 seconds.
- Display racial a battery (BAT) becomes to
  LCD in case of battery voltage 3.4V or below.

Movable Kick Type Suction Unit

Description

With connecting to vacuum outlet, it's device to remove lots of foreign substance from a surgical patient.
Its pressure can be used as regulating properly.

Features

* Type : Movable Kick Type
* Collection unit provide reliable over-flow protection
* High vacuum pressure & Large storage.

Consisting of

* suction gauge : 0 ~ 760mmHg
* 8000cc glass collection bottle.
  (Option : Unbreakable polycabonate collection bottle)
* On/Off valve & stan-by inlet cock valve.
* Over-flow protector.
* Mobile kick type bottle guide w/caster

Model No : **MMK-MS-KI 8000**

Movable Stand Type Suction Unit

Description

With connecting to vacuum outlet, it's device to remove lots of foreign substance from a surgical patient.
Its pressure can be used as regulating properly.

Features

* Type : Movable stand type
* Versatile stand slide bracket for control of height
* Collection unit provide reliable over-flow protection
* Regulated vacuum range : 0 ~ 200mmHg w/full line
* Two line selection control vacuum (Line 1 / Off / Line 2)
* Full / Off / Regulated vacuum - one touch change
* On/Off selector use without changing original setting

Consisting of

* Suction regulator ass'y
* 2 Line selectable block ass'y w/control valve
* Suction bottle : 300cc Trap bottle (1 ea)
  3,000cc Collection bottle (2 ~ 4 ea)
* Vacuum hose (4 meter long)
* Suction tubing 2.5 meter long
* Slide bracket (2 ~ 4 ea)
* vacuum cart : Stable 5 - caster w/locking wheels

Model No : **MMK-MS-ST 6000**

Thoracic Suction Unit

Description

Thoracic suction unit is a lightweight, compact unit used throughout the hospital
for chest and mediastinal drainage.
The unit has a double chamber, which provides an adjustable vacuum of 0 to 25Cm H_2O
and housed in double polycarbonate bottle.
One chamber is using a water manometer with water level, the other serving as the underwater
seal for negative pressure control.
This unit is standardizing throughout the hospital from ER to Recovery, ICU where need
the low pressure continuously.

Features

* Type : Water manometer
* Regulated vacuum range : 0 ~ 25Cm H_2O
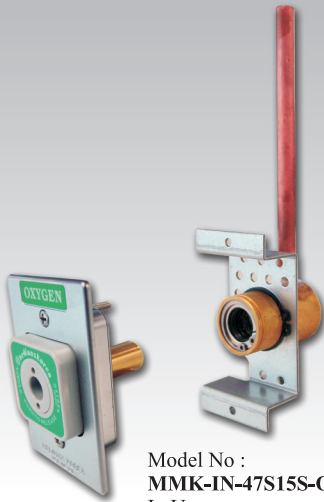* Water level control button and drain valve.

Consisting of

* Suction control knob for flowrate w/water chamber
* Conductive tue ass'y
* Wire basket for collection bottle
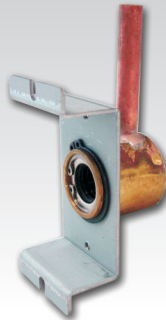* 1500cc collection bottle with over-flow protector

Model No : **MMK-TS-25**
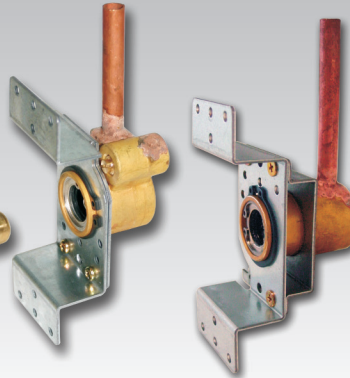
Check & Rough-in Part Assembly

Model No :
MMK-IN-38S06S-O
In Use : Multi Console

Model No :
MMK-IN-GSN06S-O
In Use : Multi Console

Model No :
MMK-IN-47S15S-O
In Use :
Wall Concealed Box Type Outlet

Model No :
MMK-IN-MSS06S-O
In Use : Crown Console / Deluxe Console

Model No :
MMK-IN-47L08S-O

Check Parts

Outlet Type	Gas	Model No
Pin Push Button Type		
	Oxygen	MMK-CV-PU01
	Nitrous Oxide	MMK-CV-PU02
	Medical Air	MMK-CV-PU03
	Vacuum	MMK-CV-PU04
Pin Push Button Deluxe Type		
	Oxygen	MMK-CV-PU21
	Nitrous Oxide	MMK-CV-PU22
	Medical Air	MMK-CV-PU23
	Vacuum	MMK-CV-PU24
Pin Index Twist Type		
	Oxygen	MMK-CV-PI11
	Nitrous Oxide	MMK-CV-PI12
	Medical Air	MMK-CV-PI13
	Vacuum	MMK-CV-PI14
Puritan Bennett Type		
	Oxygen	MMK-CV-PB01
	Nitrous Oxide	MMK-CV-PB02
	Medical Air	MMK-CV-PB03
	Vacuum	MMK-CV-PB04
Oxequip Type - Ceiling		
	Oxygen	MMK-CV-OX11
	Nitrous Oxide	MMK-CV-OX12
	Medical Air	MMK-CV-OX13
	Vacuum	MMK-CV-OX14
Puritan Bennett Type - Ceiling		
	Oxygen	MMK-CV-PB11
	Nitrous Oxide	MMK-CV-PB12
	Medical Air	MMK-CV-PB13
	Vacuum	MMK-CV-PB14
Schrader Type - Ceiling		
	Oxygen	MMK-CV-SH11
	Nitrous Oxide	MMK-CV-SH12
	Medical Air	MMK-CV-SH13
	Vacuum	MMK-CV-SH14
Ohmeda Type - Ceiling		
	Oxygen	MMK-CV-OH11
	Nitrous Oxide	MMK-CV-OH12
	Medical Air	MMK-CV-OH13
	Vacuum	MMK-CV-OH14

MMK - IN - XX Y ZZZ - ONAV2C

"XX" Inlet Type
- 47 = Height 47 Straight Type
- 38 = Height 38 Straight Type
- MS = Straight Valve Type
- GS = 3/8" Valve Type

"Y" Bracket Type
- N = Non Bracket
- L = Long Bracket
- S = Short Bracket
- B = Back Plate

"ZZ" Copper Pipe Length
- 06S = 60mm Straight
- 08S = 80mm Straight
- 15S = 150mm Straight
- 15L = 150mm Left Elbow
- 15R = 150mm Right Elbow
- 15T = 150mm Double Elbow

Gas
- O = Oxygen
- N = Nitrous Oxide
- A = Medical Air
- V = Vacuum
- 2 = Nitrogen
- C = Carbon Dioxide

Adapter Parts

| Outlet Type	Gas	Model No
Pin Index - Hose Nipple		
	Oxygen	MMK-AD-PI11
	Nitrous Oxide	MMK-AD-PI12
	Medical Air	MMK-AD-PI13
	Vacuum	MMK-AD-PI14
Pin Index Twist - 1/8" Male		
	Oxygen	MMK-AD-PI01
	Nitrous Oxide	MMK-AD-PI02
	Medical Air	MMK-AD-PI03
	Vacuum	MMK-AD-PI04
Oxequip - 1/8" Male		
	Oxygen	MMK-AD-OX01
	Nitrous Oxide	MMK-AD-OX02
	Medical Air	MMK-AD-OX03
	Vacuum	MMK-AD-OX04
Puritan Bennett - 1/8" Male		
	Oxygen	MMK-AD-PB01
	Nitrous Oxide	MMK-AD-PB02
	Medical Air	MMK-AD-PB03
	Vacuum	MMK-AD-PB04
Ohmeda - 1/8" Male		
	Oxygen	MMK-AD-OH01
	Nitrous Oxide	MMK-AD-OH02
	Medical Air	MMK-AD-OH03
	Vacuum	MMK-AD-OH04
Schrader - Hose Nipple		
	Oxygen	MMK-AD-DI11
	Nitrous Oxide	MMK-AD-DI12
	Medical Air	MMK-AD-DI13
	Vacuum	MMK-AD-DI14

In Dia : 1/4"

medimaxkorea
메디멕스코리아

Nurse Call System

This interactive emergency call system for hospitals consists of the composite medical communication devices to offer safety and convenience in large hospitals and senior homes.

This system was designed to exchange the communication between Nurse and patient with Master station and sub station by data communication system. This system was composed with master station which can control and display in the system and Power controller, and the sub station was composed with 4 wire type and lt can be covered maximum 32 ea sub station from 1 mater station, and lt can be installed the presence switch, emergency switch and corridor lignt.
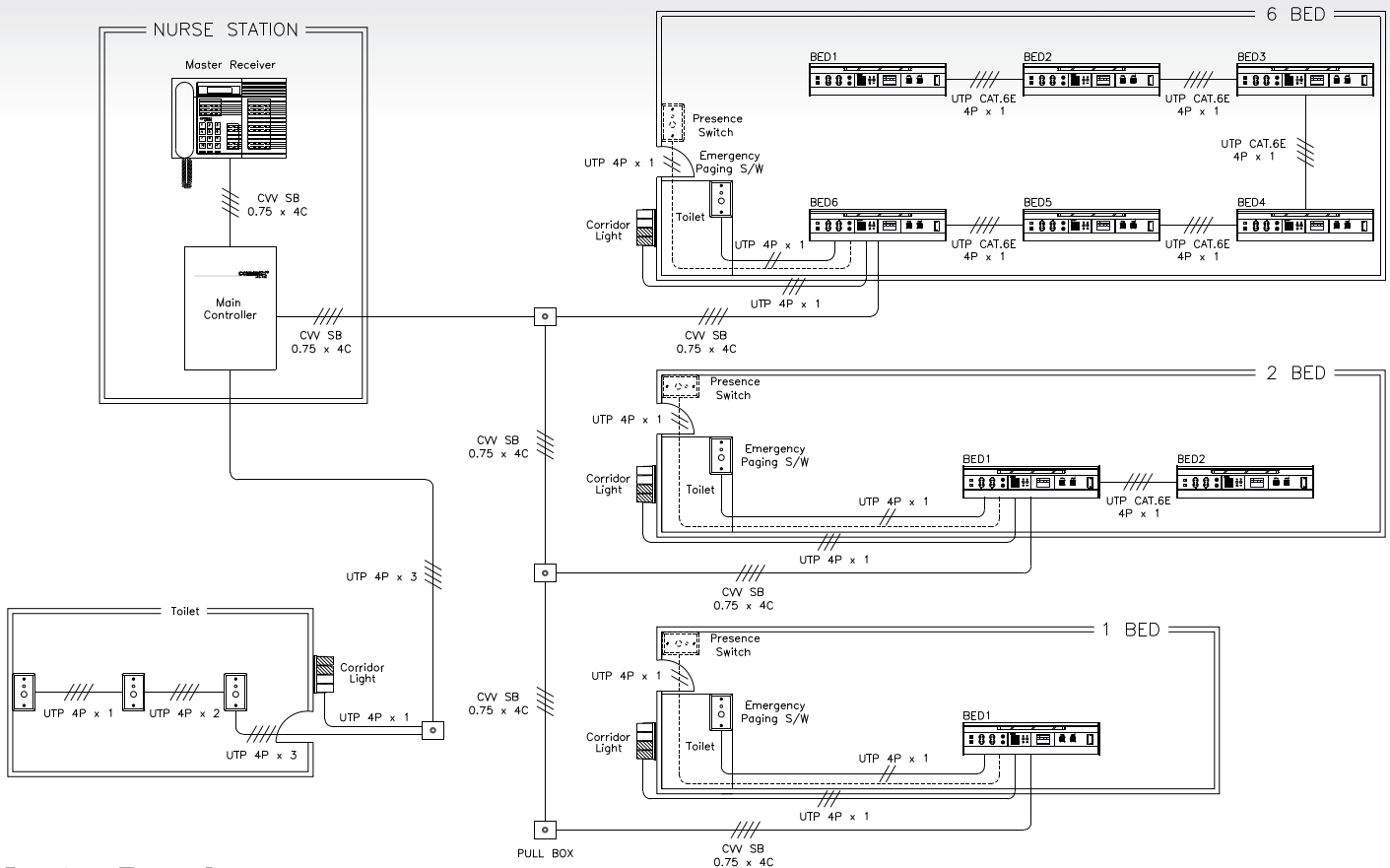
Master Receiver

It is master receiver and it can receive from everywhere like wards, toilet, shower room etc.

Model No : **JNS-4CM**

- Call and talk to wards
- Sending event from wards
- Speed dial input function for 60 wards
- "16 rooms of public toilets (emergency function)"
- Call and talk to other recevier
- 1000 series nurse waiting room receiver.

Central Controller

It is applied new type of Stored Program Control by micro processor. Controlling Main reciever, all nurse call system function can control. All the functions, operating modes are localized by the card is easy to install and maintain

Model No : **JNS-PSM**

- 1000series main controller
- "16 rooms of public toilets (emergency function)"
- Max 29 units of JNS-1050M (Master station) communication
- 5 units of JNS-1050S(Sub station) are connectable to 1 unit of Master station
- Compatible JNS-1060 (Master consol) and TP-90AN
- Compatible guiding light .

Nurse Call Sub Station

It is Nurse call devic have standard featuurse, easy installation and easy operation that can be used as substation.

Model No : **JNS-4CS**

- Call and talk to JNS-4CM(Master consol)
- Extension JNS-4CS
- 1 unit of each toilet emergency S/W, Presence S/W, Showeroom emergency S/W and Corridor light installation available

Call Cord

It is connected substation attached in the ward and it helps to call the nurse in lying state.

Model No : **CC-200**

- Call cord
- It is for serious patient
- Special cable is applied to prevent sagging
- Easy attach and speration using connector
- Clip helps to fix at seat
- Paging cord
- Compatible with Sub station like JNS-4CS and call emergency

Corridor Light

It is installed near entrance of ward and when patients call the nurse or doctor it is used to check the ward.

Model No : CL-302C

- Color adjustable
- Good appearance
- Easy installation
- Each different lamp display is available for call, presence, emergency call, medical call etc

Presence Switch

This unit display using corridor light that doctors or nurses on their rounds were detected paging signal and in the patient care.

Model No : PB-500

- Install inside of wards wall
- Front pannel is specially surface treated and it make good appearance
- Presence switch
- Compatible with JNS-4 wired/ 1000 series
- 2 wired non polarity dry contact type

Emergency Paging Switch
(Bath Room)

Patients in the event of emergency in toilet send signal to nurse waiting room and coridor light pressing emergency swich wich is attached to the wall.

Model No : ES-400

- Toilet emergency switch
- Anti-corrosion by waterproof
- Both pull and push type
- Compatible with JNS-4 wired/ 1000 series
- 2 wired non polarity dry contact type
- Compatible with CL-302

Emergency Paging Switch
(Shower Room)

Patients in the event of emergency in shower room send signal to nurse waiting room and coridor light pressing emergency swich wich is attached to the wall.

Model No : ES-410

- Anti-corrosion by waterproof
- Shower room emergency switch
- Compatible with JNS-4 wired/ 1000 series
- 2 wired non polarity dry contact type

Ceiling Speaker

The speaker can be used inside and outside together and matching transformer built-in type

Model No : SP-63O

Nominal Power : 3W
Impedance : Com / 3.3kΩ/5kΩ/10kΩ
Frequency Response : 180Hz~13KHz
Sensitivity (1m/1w) : 98dB
Weight : 650g
Outer Dimension (mm) : Ø230×150(D)

Wired Intercom

Wired Intercom High power wired intercom with function of lamp off upon receiving call/hands-free type (Non-polarity)

Model No : PI-10LN

Master Unit : PI-10LN/ 20LN/ 30LN
Power Consumption: 180mA
Communication Distance: 2000m/50mm
Power Supply: AC 100~240V / 50 , DC 24V
Wiring: Individual 2 wires (Non-polarity)

OR Interphone - Master Receiver

Surgery room Interphone system is designed to call and receive the necessary support from anesthetic room or waiting room not using doctor and nurse hands during operation

Model No : JNS-12

- Sergery room master consol
- Call and talk to JNS-101

OR Inter Phone - Sub Station

This device is designed for doctor or nurse under opeation to call and receive the necessary support from anesthetic room or waiting room using their elbow.

Model No : DR-6KO

- Talk to 6 units of JNS-360
- compatitble with FS-600 (CALL)
- Substation for surgery room

OR Inter Phone - Foot Switch

Surgery room Interphone system is designed to call and receive the necessary support from anesthetic room or waiting room not using doctor and nurse hands during operation.

Model No : FS-600

- It is installed bottom of the wall (above the ground 30cm) and doctor and nurse call and talk to nurse waiting room using kicking(Foot) during operation
- Operating Room Inter Phone(Foot)
- Compatible with DR-6KO and call receiver
- Call and talk using kicking(Foot) during operation

OR Inter Phone - Arm Switch

This device is designed for doctor or nurse under opeation to call and receive the necessary support from anesthetic room or waiting room using their elbow.

Model No : AS-100

- Installation on the surgery room wall It is installed surgery room wall above the floor (150cm or less) and call surgery waiting room using elbow or hand by doctor or nurse under opeartion
- Call and talk using elbow in surgery room
- Substation for surgery room

May 2011 ①