

MED

MEYHURUM MEDICAL SANAYI VE TICARET ANONİM ŞİRKETİ

PRODUCT CATALOG

EQUIPMENT FOR MEDICAL GAS SYSTEMS



**FLEXIBLE
DESIGN**



**INNOVATIVE
PRODUCTION**



**RELIABLE
SERVICE**



**CUSTOMER
SATISFACTION**



COMPANY PROFILE



MED Birlesim with its specialized engineering team, experienced over 20 years is continuously extending its activities and product range, in order to cover the demands of the clients in a most perfect manner according to accepted European standards.

Being a company with its head office in Istanbul, right in the middle of Europe and Asia, MED Birlesim has established its manufacturing facilities based on the best Know-How and realizes with great success the design, production, sales, installations and after sale services.

MED Birlesim is specialized on furnishing of Oxygen Generating Plants, Hospital Medical Gas Piping Systems, Central Medical Gas Plants, Operating Theatres and Intensive Care Units and Equipment such as Ceiling Pendant Arms, Surgical Control Panels, Laminar Flow Units, Surgical Scrubs and Automatic Doors are manufactured. Various types of patient Bed Head Units, Intensive Care Systems, Nurse Call Systems, Emergency Patient Handling Equipment and all related accessories as Flowmeters, Vacuum Regulators, Ventury Suction Devices, Collecting Jars, Medical Gas Outlets and Male Probes are MED Birlesim's specialties.

MED Birlesim's technical staff are continually being trained and updated on the latest technological developments. Also, various investment partnerships are realized with European and American companies. Supplying its products at a well-accepted quality internationally is a fact to be proud of.

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- Male Probes, Outlet Dupleter Hoses, Miscellaneous, Trolleys
- Monitor Holders, Wall Modules

PSA OXYGEN GENERATOR

OXYGEN GENERATING SYSTEMS

Oil Screw type Air Feeding Compressor
 WS Filter (Water Separator)
 P Filter (Pre-Filtering)
 Refrigerant Air Dryer +3~5 Celcius Degree
 Pressurized Air Feeding Storage Tank
 G Filter (General Purpose Protection)
 H Filter (High-Efficiency Oil Retaining Filter)
 Oxygen Generator
 Pressurized Oxygen Storage Tank
 D Filter (Dust - Solid Particle Filtering)
 C Filter (Active Carbon)
 Low Pressure Regulator

Optional Equipment upon special request:

Oil-Free Air Feeding Compressor
 Desiccant Air Dryer
 Activated Carbon Tower
 Sterile Filter
 Galvanized Oxygen Storage Tank
 Stainless Steel Oxygen Storage Tank



Model	MED-50	MED-100	MED-150	MED-200	MED-250	MED-300	MED-350	MED-400	MED-500	MED-600	MED-700	MED-800
m3/h	3	6	9	12	15	18	21	24	30	36	42	48
LPM	50	100	150	200	250	300	350	400	500	600	700	800
Bed Numbers	10-15		50		100			200		300		
	20-25			70-90			150			250		
	60-80				250							

These graphs are issued for guidance only. There will be hospitals for which average flow

PSA OXYGEN GENERATORS

MODEL	CAPACITY	AIR COMPRESSOR	REFRIGERANT DRYER	ACTIVATED CARBON TOWER (OPTIONAL)	WS - P - G - H - D - C TYPE FILTER SERIES		AIR TANK	O2 TANK	CONTAINER (OPTIONAL)
MED-50	50 Lt - 3 m³/h	0.76 m³/min(15.5kw)	1.20 m³/min(0.26 kw)	60.0 m³/h (1")	WS20 1"-120-180 m³/h	110 P-G-H/65 C-D	500 LT	500 LT	6.5 mt -20'
MED-100	100 Lt - 6 m³/h	1.65 m³/min(11 kw)	2.50 m³/min(0.6kw)	110.0 m³/h (1")	WS20 1"-120-180 m³/h	110 P-G-H/65 C-D	500 LT	500 LT	6.5 mt -20'
MED-150	150 Lt - 9 m³/h	2.50 m³/min(15 kw)	2.50 m³/min(0.6 kw)	150.0 m³/h (1")	WS20 1"-120-180 m³/h	210 P-G-H/65 C-D	750 LT	750 LT	6.5 mt -20'
MED-200	200 Lt - 12 m³/h	3.1 m³/min(18.5 kw)	3.60 m³/min(0.79 kw)	200.0 m³/h (1")	WS25 1"-180-280 m³/h	260 P-G-H/110 C-D	1000 LT	1000 LT	6.5 mt -20'
MED-250	250 Lt - 15 m³/h	3.6 m³/min(22 kw)	5.40 m³/min(1 kw)	200.0 m³/h (1")	WS25 1"-180-280 m³/h	260 P-G-H/110 C-D	1000 LT	1000 LT	6.5 mt -20'
MED-300	300 Lt - 18 m³/h	3.6 m³/min(22 kw)	5.40 m³/min(1 kw)	200.0 m³/h (1")	WS25 1"-180-280 m³/h	260 P-G-H/110 C-D	1000 LT	1000 LT	6.5 mt -20'
MED-350	350 Lt - 21 m³/h	5.26 m³/min(30 kw)	6.50 m³/min(1.2kw)	300.0 m³/h (1 1/2")	WS25 1"-180-280 m³/h	330 P-G-H/110 C-D	1000 LT	1000 LT	6.5 mt -20'
MED-400	400 Lt - 24 m³/h	5.26 m³/min(30 kw)	6.50 m³/min(1.2kw)	300.0 m³/h (1 1/2")	WS25 1"-180-280 m³/h	330 P-G-H/110 C-D	1000 LT	1000 LT	6.5 mt -20'
MED-500	500 Lt - 30 m³/h	6.33 m³/min(37 kw)	7.70 m³/min(1.44 kw)	450.0 m³/h (1 1/2")	WS25 1"-180-280 m³/h	530 P-G-H/110 C-D	1000 LT	1000 LT	6.5 mt -20'
MED-600	600 Lt - 36 m³/h	7.61 m³/min(45 kw)	10 m³/min(1.8 kw)	450.0 m³/h (1 1/2")	WS25 1"-180-280 m³/h	630 P-G-H/110 C-D	1000 LT	1000 LT	6.5 mt -20'
MED-700	700 Lt - 42 m³/h	9.33 m³/min(55 kw)	12 m³/min(1.8 kw)	600.0 m³/h (1 1/2")	WS40 1 1/2"-280-660 m³/h	630 P-G-H/110 C-D	2000 LT	2000 LT	6.5 mt -20'
MED-800	800 Lt - 48 m³/h	9.33 m³/min(55 kw)	12 m³/min(1.8 kw)	600.0 m³/h (1 1/2")	WS40 1 1/2"-280-660 m³/h	630 P-G-H/110 C-D	2000 LT	2000 LT	13 mt -40'
MED-900	900 Lt - 54 m³/h	12.38 m³/min(75 kw)	15 m³/min(2.6 kw)	600.0 m³/h (1 1/2")	WS40 1 1/2"-280-660 m³/h	930 P-G-H/220 C-D	2000 LT	2000 LT	13 mt -40'
MED-1000	1000 Lt - 60 m³/h	12.38 m³/min(75 kw)	15 m³/min(2.6 kw)	600.0 m³/h (1 1/2")	WS40 1 1/2"-280-660 m³/h	930 P-G-H/220 C-D	3000 LT	3000 LT	13 mt -40'
MED-1100	1100 Lt - 66 m³/h	12.38 m³/min(75 kw)	18 m³/min(3.5 kw)	600.0 m³/h (1 1/2")	WS40 1 1/2"-280-660 m³/h	930 P-G-H/220 C-D	3000 LT	3000 LT	13 mt -40'
MED-1200	1200 Lt - 72 m³/h	16.3 m³/min(90 kw)	18 m³/min(3.5 kw)	900.0 m³/h (2")	WS40 1 1/2"-280-660 m³/h	1230 P-G-H/220 C-D	3000 LT	3000 LT	13 mt -40'
MED-1300	1300 Lt - 78 m³/h	16.3 m³/min(90 kw)	24 m³/min(3.9 kw)	900.0 m³/h (2")	WS40 1 1/2"-280-660 m³/h	1230 P-G-H/220 C-D	3000 LT	3000 LT	13 mt -40'
MED-1400	1400 Lt - 84 m³/h	18.5 m³/min(110 kw)	24 m³/min(3.9 kw)	1200.0 m³/h (2")	WS50 2"-660-1200 m³/h	1230 P-G-H/220 C-D	3000 LT	3000 LT	13 mt -40'
MED-1500	1500 Lt - 90 m³/h	18.5 m³/min(110 kw)	24 m³/min(3.9 kw)	1200.0 m³/h (2")	WS50 2"-660-1200 m³/h	1230 P-G-H/220 C-D	5000 LT	5000 LT	13 mt -40'
MED-1600	1600 Lt - 96 m³/h	18.5 m³/min(110 kw)	30 m³/min(4.5kw)	1200.0 m³/h (2")	WS50 2"-660-1200 m³/h	1230 P-G-H/220 C-D	5000 LT	5000 LT	13 mt -40'
MED-1700	1700 Lt - 102 m³/h	23.8 m³/min(132kw)	30 m³/min(4.5kw)	1200.0 m³/h (2")	WS50 2"-660-1200 m³/h	1230 P-G-H/220 C-D	5000 LT	5000 LT	13 mt -40'
MED-1800	1800 Lt - 108 m³/h	23.8 m³/min(132kw)	30 m³/min(4.5kw)	1200.0 m³/h (2")	WS50 2"-660-1200 m³/h	1500 P-G-H/260 C-D	5000 LT	5000 LT	13 mt -40'
MED-1900	1900 Lt - 114 m³/h	23.8 m³/min(132kw)	30 m³/min(4.5kw)	1200.0 m³/h (2")	WS50 2"-660-1200 m³/h	1500 P-G-H/260 C-D	5000 LT	5000 LT	13 mt -40'
MED-2000	2000 Lt - 120 m³/h	23.8 m³/min(132kw)	30 m³/min(4.5 kw)	1200.0 m³/h (2")	WS50 2"-660-1200 m³/h	1500 P-G-H/260 C-D	5000 LT	5000 LT	13 mt -40'

Purity: 93% +/-3
 VIP - Pneumatic Coaxial Valves
 Electrochemical O2 sensor with 3.5 mm jack input
 (Zirconium sensor upon special request)
 Twin Zeolite Towers at the Back Side
 Low Pressure Regulators at Input Side
 Switching to standby when oxygen is not needed
 Automatic operation in case of power failure,
 when energy comes
 7/24 nonstop working ability
 Connections: EN 13348 Medical Copper Tube
 Remote access from all smart devices to the device
 7" Touch Screen Control Panel
 PLC Controller with Integrated HMI



MED-800	MED-900	MED-1000	MED-1100	MED-1200	MED-1300	MED-1400	MED-1500	MED-1600	MED-1700	MED-1800	MED-1900	MED-2000
48	54	60	66	72	78	84	90	96	102	108	114	120
800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
			400									
300								600				
						500						

As will, for a given number of beds, be higher or lower than the maxima and minima shown here.

Air Feeding Compressor

- *Model: Oil-Injected Screw Type
- *Output Pressure: 8 or 10 Bar
- *Cooling Type: Air
- *Belt Driven or Direct Driven Versions (Variable Speed upon request)
- *Front Control Module
- *Power (KW): 5,5-11-15-18,5-22-30-37-45-55-75-90-110-132
- *Motor Class: IE3
- *Noise Level: 67~77bB(A)
- *Series: DMD or EKO



Filter Chain

- *WS: Water Separator
- *P Filter: Pre-Filtration <math>< 5 \text{ mic}</math>
- *G Filter: General Purpose Protection <math>< 1 \text{ mic}</math> & 0.5 mg/m^3
- *H Filter: High Efficiency Oil Remover Filtration <math>< 0.01 \text{ mic}</math> & 0.01 mg/m^3
- *D Filter: Dust Filtration <math>< 0.01 \text{ mic}</math>
- *C Filter: Activated Carbon Filtration 0.003 mg/m^3
- * Oil Adsorber 0.003 mg/m^3 (Activated Carbon Tower) upon special request



PSA OXYGEN GENERATOR PARTS

Air Dryer

- *Model: Refrigerant Type
- *Max. Pressure: 14-16Bar
- *Dew Point: 3-5 °C *Ecological Refrigerants: R-513A, R-410A, R-452A
- *Power (KW): 0,25 ~ 12,3
- *Connection Sizes: 1/2" - 3" (+DN125)
- *Front Control Module
- *Series: CAD
- *Adsorption Dryer for a Dew point of -40°C upon special request



Air Bumper & O2 Storage Tanks

Max Working Pressure: 11Bar

Volumes: *500Lt for 3-6 m³/h *750Lt for 9 m³/h *1000Lt for 12-36 m³/h *2000Lt for 42-54 m³/h *3000Lt for 60-84 m³/h *5000Lt for 90-120 m³/h

Types: Vertical

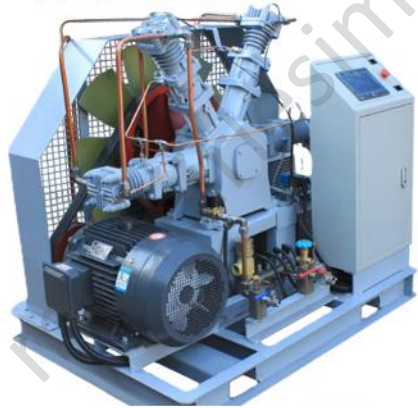
Coating: Electrostatic Powder Coating (Hot Dipped Galvanized or Stainless Steel Tanks upon special request)



Together with Automatic Drain Valve, Pressure Gauge and Safety Valve

Cylinder Filling

REFILLING SYSTEMS



C Series

T Series

High Pressure Oil-Free Booster Compressor (150Bar)
 (200 Bar output type upon special request)
 Cylinder Ramps (Collectors) for 1, 2, 3, 4 & 5
 Cylinders
 Cylinder Racks (Stabilizers) for 1, 2, 3, 4 & 5
 Cylinders
 Copper U-Shaped
 Connection(s) to Cylinder(s)
 (Braided Flex Connection(s) upon special
 request)



TYPE	Model	Flow (Nm ³ /h)	Input Pressure	Power (KW)	Cylinder Numbers to be filled per Day (24H)											
					40Lt 150Bar		50Lt 150Bar		40Lt 200Bar		50Lt 200Bar					
T SERIES	MED-BT5	5	4 Bar	1,5	18	~	20	15	~	16	14	~	15	11	~	12
	MED-BT10	10	4 Bar	3	36	~	40	30	~	32	28	~	30	22	~	24
	MED-BT20	20	4 Bar	7,5	73	~	80	60	~	64	56	~	60	45	~	48
	MED-BT30	30	4 Bar	9	110	~	120	90	~	96	84	~	90	68	~	72
	MED-BT40	40	4 Bar	11	147	~	160	120	~	128	112	~	120	91	~	96
C Series	MED-BC5	5	4 Bar	4	18	~	20	15	~	16	14	~	15	11	~	12
	MED-BC10	10	4 Bar	5,5	36	~	40	30	~	32	28	~	30	22	~	24
	MED-BC15	15	4 Bar	7,5	55	~	60	45	~	48	42	~	45	34	~	36
	MED-BC20	20	4 Bar	11	73	~	80	60	~	64	56	~	60	45	~	48
	MED-BC30	30	4 Bar	15	110	~	120	90	~	96	84	~	90	68	~	72
	MED-BC45	45	4 Bar	18,5	166	~	180	135	~	144	127	~	135	102	~	108
	MED-BC60	60	4 Bar	22	221	~	240	180	~	192	169	~	180	137	~	144
	MED-BC65	65	4 Bar	22	240	~	260	195	~	208	183	~	195	148	~	156

The above cylinder numbers are theoretical. In practice, these numbers may probably be less due to the time losses in cylinders' changing.

CYLINDER MANIFOLD SYSTEMS



- * Automatic Change-Over Central Panels
- * Pneumatic type or Solenoid Type in the capacities of 20 - 80 - 150 - 210 m³/h with 2 High Pressure (250 Bar) and 1 Low Pressure (16/10 Bar) Sensors.
- * Manual Pressure Reducer Units for Single Side Use in the capacities of 20 - 80 m³/h with 1 High Pressure (250 Bar) and 1 Low Pressure (16/10 Bar) Sensors.
- * Single Stage or Double Stage versions
- * Left and Right Ramp connections.
- * Manifold seat variations: 1+1, 2+2, 3+3, 4+4, 5+5, 6+6, 8+8, 10+10, 12+12, 15+15, 16+16, 20+20 cylinders.
- * Available gases: O₂ - N₂O - Dry Air - CO₂ - N₂ - MIX.
- * Heater at Both sides for CO₂ - N₂ gases
- * High Pressure Manual Evacuation Valves at both sides.
- * Ramp Variations: with Non-Return Valves or High Pressure Manual Valves for each cylinder connection
- * For Ramp-Panel Board: Copper Pipe Connection at both sides.
- * For Ramp-Cylinders: Copper Pipe Connections or Braided Flex Connections.
- * Cylinder Racks according to manifold seat variations.
- * Digital Alarm for Left/Right and Output Pressures.

- * Automatic Change-Over Central Panel with 2nd Stage Double Pressure Regulator
- * Flow Capacity: 80 m3/h
- * Output Pressure: 4/5 Bar
- * Input Pressure: 250/300 Bar
- * Change-Over Type: Pneumatic
- * Back Plate: Stainless Steel
- * Digital Alarm with High & Low Pressure Sensors



- * Automatic Change-Over Central Panel with 2nd Stage Double Pressure Regulator
- * Flow Capacity: 20 m3/h
- * Output Pressure: 4/5 Bar
- * Input Pressure: 250/300 Bar
- * Change-Over Type: Pneumatic
- * Back Plate: Stainless Steel
- * Digital Alarm with High & Low Pressure Sensors



- * Automatic Change-Over Central Panel with 2nd Stage Double Pressure Regulator
- * Flow Capacity: 80 m3/h
- * Output Pressure: 4/5 Bar
- * Input Pressure: 250/300 Bar
- * Change-Over Type: Solenoid Valve
- * Back Plate: Stainless Steel
- * Digital Alarm with High & Low Pressure Sensors



- * Automatic Change-Over Central Panel with 2nd Stage Double Pressure Regulator
- * Flow Capacity: 150 m3/h
- * Output Pressure: 4/5 Bar
- * Input Pressure: 250/300 Bar
- * Change-Over Type: Pneumatic
- * Back Plate: Stainless Steel
- * Digital Alarm with High & Low Pressure Sensors



- * Automatic Change-Over Central Panel with 1st Stage Pressure Regulator
- * Flow Capacity: 80 m3/h (Left Side) - 20 m3/h (Right Side)
- * Output Pressure: 8/10 Bar
- * Input Pressure: 250/300 Bar
- * Change-Over Type: Pneumatic
- * Back Plate: Stainless Steel
- * Digital Alarm with High & Low Pressure Sensors



Ramps for Cylinders

- Type 1: with High Pressure Check Valve for each Cylinder Head
- Type 2: with High Pressure Manual Valve for each Cylinder Head
- Row Number(s): 1—2—3—4—5—6 Cylinders
- Back "L" Plate: Steel Sheet with Electrostatic Powder Coating
- Pipe Connection between Valves: Copper Tube 8x2mm

Connections (Ramp & Cylinders)

- Copper Pigtail shape
- Cylinder Connections: G5/8" Internal—G5/8" External—G3/4 External—G3/8 External—G1/2" External—11/16X20TPI External—W21.8X 1/14 External
- with Brass Hand Held Bar

Connections (Ramp & Cylinders)

- Braided Flex Shape
- Cylinder Connections: G5/8" Internal—G5/8" External—G3/4 External—G3/8 External—G1/2" External—11/16X20TPI External—W21.8X1/14 External
- with Galvanized Steel Bar for connection support
- with Safety S/s rope for protection in detachment

Cylinder Racks

- Steel "U" Shape Supprts with "Ω" Back Bracket for Wall Montage and front Chain for Protection
- Row Number(s): 1—2—3—4—5—6 Cylinders
- with Electrostatic Powder Coating

CYLINDER MANIFOLD SYSTEMS



Cover for Control Panel

- Protection Cover for Central Panel
- Steel Sheet with Electrostatic Powder Coating
- Transperent Plexyglass Front Panel for Easy Checking the Gauges and Alarm



Digital Alarm

- LCD Screen for Alarm Status and Pressure Values for Left/Right/Output sides
- Colored Side LED Bars for showing the Cylinder Gas Levels
- Front Control Buttons for Alarm Mute and Access the control/Service Menus



Flow (m ³ /h)	Output Pressure	AUTOMATIC CYLINDER MANIFOLD SYSTEMS (ONE SIDE DUTY - OTHER SIDE STANDBY)								
20 - Double Stage	4/5 Bar	MED20-D-21	MED20-D-22	MED20-D-23	MED20-D-24	MED20-D-25				
90 - Double Stage	4/5 Bar					MED90-D-25	MED90-D-28	MED90-D-210	MED90-D-215	MED90-D-220
150 - Double Stage	4/5 Bar							MED150-D-210	MED150-D-215	MED150-D-220
240 - Double Stage	4/5 Bar									MED240-D-220
20 - Single Stage	8/10 Bar	MED20-S-21	MED20-S-22	MED20-S-23	MED20-S-24	MED20-S-25				
90 - Single Stage	8/10 Bar					MED90-S-25	MED90-S-28	MED90-S-210		
Number of Cylinders		1+1	2+2	3+3	4+4	5+5	8+8	10+10	15+15	20+20
Alarm		1	1	1	1	1	1	1	1	1
High Pressure Manual Evacuation Valve		2	2	2	2	2	2	2	2	2
Ramp for 1 Cylinder		2	---	---	---	---	---	---	---	---
Ramp for 2 Cylinders		---	2	---	---	---	---	---	---	---
Ramp for 3 Cylinders		---	---	2	---	---	---	---	---	---
Ramp for 4 Cylinders		---	---	---	2	---	4	---	---	---
Ramp for 5 Cylinders		---	---	---	---	2	---	4	6	8
Connection between Ramps		---	---	---	---	---	2	4	6	8
Connection between ramp & Central Panel		2	2	2	2	2	2	2	2	2
Connection between ramp and Cylinders		2	4	6	8	10	16	20	30	40
Bed Numbers		5-10	15-20	20-30	30-40	30-50	40-70	70-100	100-150	150-200
Opetating Theatre Numbers		0-1	1-2	3	3-4	5-6	6-7	7-9	8-12	10-14

CRYOGENIC TANKS

Cryogenic tanks are used for gases in liquid phase to be transported and stored.

Tanks are produced to store the inner gas, at $-196\text{ }^{\circ}\text{C}$ or at a less temperature, depending on different design parameters.

Body Type:

Vertical & Cylindrical

Dished Ends Type:

Ellipsoidal

MAWP:

15 - 16 - 18 - 19 - 20 - 22 bar

Insulation:

Vacuum + Perlite

Accessories:

SAMSON Media Level Gauge
Pressure Regulators
Safety/Cryogenic Globe Valves
Safety Relief Valves

TANK	Volume (Lt)	Empty Weight (Kg)	Working Pressure (Bar)	Height (meter)	Diemeter (meter)
MED-LOX-3	3000	3200	16	4,2	1,75
MED-LOX-5	4000	4000	16	5,7	1,75
MED-LOX-6	6000	4500	16	4,8	2,1
MED-LOX-7	7000	4750	16	5	2,1
MED-LOX-8	8000	5250	16	5,5	2,1
MED-LOX-10	10000	6000	16	5,6	2,3
MED-LOX-13	13500	7200	16	6,8	2,3
MED-LOX-15	15000	8500	16	7,4	2,3
MED-LOX-20	20000	10500	16	9,6	2,3



VAPORIZER	Capacity (m3/h)	Max W.P. (Bar)	Width (meter)	Length (meter)	Height (meter)	Weight (Kg)
MED-AAV-160	160	40	0,98	1,25	2,8	150
MED-AAV-180	180	40	1,1	1,25	2,8	170
MED-AAV-220	220	40	1,25	1,25	2,8	210
MED-AAV-250	250	40	0,98	1,25	3,3	240
MED-AAV-270	270	40	1,1	1,25	3,3	250
MED-AAV-300	300	40	0,98	1,25	3,8	290
MED-AAV-500	500	40	0,98	1,25	5,5	340
MED-AAV-1000	1000	40	1,25	1,4	6,3	650

AMBIANT AIR VAPORIZERS

- AW 6063 Aluminum Star Type Profile
- MAWP :40 bar TP. :60 bar / - Input : 3/4" Output: 1-1/2" - 2"
- Design Parameters: AD2000 / en 13445



PRESSURE REDUCER PANEL

- Double Pressure Regulator with Input/Output pressure Gauges
- Two Separate Copper Pipe Lines with Shut-Off Valves
- Self-Standing Metal Enclosure with Electrostatic Powder Coated



DIFFERENTIAL PRESSURE AND FLOW METER

SAMSON MEDIA 5
(Analog) Right
SAMSON MEDIA 7
(Digital) Left



CRYOGENIC TANK SYSTEMS

Cryogenic Tanks with Vaporizer on themselves

- Narrow montage space
- Regions with high annual ambient temperature
- Low flow rate needs



Cryogenic Liquid Pump with High Pressure Vaporizer

- Cryogenic Liquid Pump: 280 Nm³/h
- H.P. Vaporizer with S/s inner pipes: MAWP: 300Bar
- Special Pipe Connection: Brass Pipes Ø18-4mm



Cylinder Filling Manifolds

- Gauge with Contact (start/stop)
- Ramps with S/s Brackets and Metal Racks
- Braided Flex Cylinder Connections



Cryogenic Transport Tanks with Semitrailer

- *Capacities: 10—15—20—25—30 m³
- *MAWP : 4 bar
- *Cryogenic Pump
- *Axles and Wheels
- *Air Bag suspension system
- *EBS Brake
- *Samson Media 5
- *Valves & Safety Devices
- *Flowmeter with printer



MEDICAL VACUUM SYSTEMS

VACUUM PLANT (CHASSIS TYPE)

- Metal Chassis with 2-3-4-5-6 Vacuum Pumps and System Control Panel
- Separate Vertical Vacuum Tank with Gauge & Sensor
- Separate Double Bacteria Filter and Secretion



VACUUM PLANT (ON THE TANK TYPE)

- 1-2-3-4 Vacuum Pumps and System Control Panel with Vacuum Sensor installed on the Horizontal Vacuum Tank
- Separate Double Bacteria Filter and Secretion Jar group on Metal Chassis (also available on the Horizontal Tank upon special request)
- System design covers the internal copper piping. (Exhaust line to be laid out separately)



VACUUM PUMPS

Model: Single Stage, Oil-Sealed Rotary Vanes
Origin: Italy
Available Capacities (m3/h): 2-3-4-6-8-12-20-25-40-60-106-151-205-305
Power: 380VAC 50Hz
Manufactured in the newest standards and safety regulations as per 2006/42 CE" and additions



ANTI-BACTERIA FILTER WITH SECRETION JAR GROUP

- The capacities accordance with pump output flows
- with Polution Gauges
- Single line solution with/without By-Pass line
- Double line solution in the standard production
- Valves for Input/Output sides and maintenance in the filter cartridge change
- Metal Chassis in the purpose of self-standing or wall mount



CONTROL PANEL

- Anti-Aging Pump Sequencing System
- LCD Screen with Control Buttons for all necessary adjustments
- Vertical LED Bar for Tank Vac. Level
- Alfa-Numeric Display for Vacuum Value
- LED Points for Pump Status
- Switches for Manual / Off / Automatic selection for each pump
- Stop button in emergency



OIL FREE PUMPS

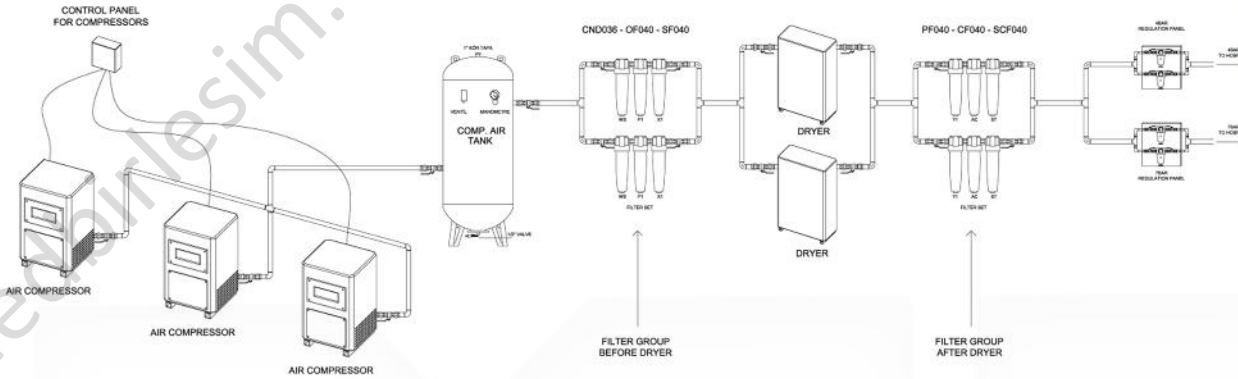
- Type: Claw Pumps
- The dry-running contactless rotation of the rotors is synchronized by gears without any lubricant present, thus avoiding any residue generated by friction or rubbing during rotation. The gear wheels themselves are lubricated with oil and are enclosed in two compartments separated from the rotation chamber by gaskets.
- Capacities: 155 m³/h and 300 m³/h



HTM 2022							
MODEL	NO. OF PUMP	DUTY (m3/h)	BACK-UP (m3/h)	TANK (Liter)	T.P.C (KW)	NO. OF	
						TOTAL	BEDS
MED-VAC-1240	DUPLIX	2	40	40	500	2,2	40-60
MED-VAC-1260		2	60	60	1000	3	60-90
MED-VAC-12105		2	105	105	2000	4,4	100-160
MED-VAC-12151		2	151	151	2000	6,6	140-230
MED-VAC-12205		2	205	205	3000	8	190-300
MED-VAC-12305		2	305	305	5000	11	280-450
MODEL	NO. OF PUMP	DUTY (m3/h)	BACK-UP (m3/h)	TANK (Liter)	T.P.C (KW)	NO. OF	
						TOTAL	BEDS
MED-VAC-1340	TRIPLEX	3	80	40	1000	3,3	80-120
MED-VAC-1360		3	120	60	2000	4,5	110-180
MED-VAC-13105		3	210	105	3000	6,6	200-310
MED-VAC-13151		3	302	151	5000	9,9	280-450
MED-VAC-13205		3	410	205	2 x 3000	12	380-600
MED-VAC-13305		3	610	305	2 x 5000	16,5	560-890
MODEL	NO. OF PUMP	DUTY (m3/h)	BACK-UP (m3/h)	TANK (Liter)	T.P.C (KW)	NO. OF	
						TOTAL	BEDS
MED-VAC-1440	QUADRUPLEX	4	120	40	2000	4,4	110-180
MED-VAC-1460		4	180	60	3000	6	170-270
MED-VAC-14105		4	315	105	5000	8,8	290-460
MED-VAC-14151		4	453	151	2 x 3000	13,2	420-670
MED-VAC-14205		4	615	205	2 x 5000	16	570-900
MED-VAC-14305		4	915	305	3 x 5000	22	840-1340

HTM 02-01										
MODEL	NO. OF PUMP	DUTY (m3/h)	BACK-UP		TANK (Liter)	T.P.C (KW)	NO. OF			
			(m3/h)	(m3/h)			TOTAL	BEDS		
MED-VAC-2340	TRIPLEX	3	40	80	500	3,3	40-60			
MED-VAC-2360		3	60	120	2000	4,5	60-90			
MED-VAC-23105		3	105	210	2000	6,6	100-160			
MED-VAC-23151		3	151	302	2000	9,9	140-230			
MED-VAC-23205		3	205	410	3000	12	190-300			
MED-VAC-23305		3	305	610	5000	16,5	280-450			
MODEL	NO. OF PUMP	DUTY (m3/h)	BACK-UP		TANK (Liter)	T.P.C (KW)	NO. OF			
			(m3/h)	(m3/h)	(Liter)	(KW)	TOTAL	BEDS		
MED-VAC-2440	QUADRUPLEX	4	80	80	1000	4,4	80-120			
MED-VAC-2460		4	120	120	2000	6	110-180			
MED-VAC-24105		4	210	210	3000	8,8	200-310			
MED-VAC-24151		4	302	302	5000	13,2	280-450			
MED-VAC-24205		4	410	410	2 x 3000	16	380-600			
MED-VAC-24305		4	610	610	2 x 5000	22	560-890			
MODEL	NO. OF PUMP	DUTY (m3/h)	BACK-UP		TANK (Liter)	T.P.C (KW)	NO. OF			
			(m3/h)	+AUX (m3/h)	(Liter)	(KW)	TOTAL	BEDS		
MED-VAC-2540	PENTAPLEX	5	80	80	40	1000	5,5	80-120		
MED-VAC-2560		5	120	120	60	2000	7,5	110-180		
MED-VAC-25105		5	210	210	105	3000	11	200-310		
MED-VAC-25151		5	302	302	151	5000	16,5	280-450		
MED-VAC-25205		5	410	410	205	2 x 3000	20	380-600		
MED-VAC-25305		5	610	610	305	2 x 5000	27,5	560-890		

MEDICAL AIR SYSTEMS



MEDICAL AIR PLANT

Air Feeding Compressors,
Control Box for Compressors,
Vertical Tank(s) with Automatic Water Drain,
Filter Chain Set (WS-P1-X1),
Air Dryer(s),
Filter Chain Set (Y1-AC-ST),
Regulation Panel for Air 4/5 bar,
Regulation Panel for Air 7/8 bar



AIR FEEDING COMPRESSORS

- *Oil Screw Type or Oil-Free Scroll Type
- *Belt Driven — Direct Driven — Variable Speed options
- *Output Pressure: 7-8-10-13 Bar
- *Flow capacities in accordance with system requirements (0,32 m³/min ~ 52,3 m³/min)
- *Individual control module
- * Power Range 2,2KW/3Hp ~ 315KW/422Hp — IE3 MOTOR—380VAC 50Hz / 3 phase



REFRIGERANT AIR DRYERS

- *Clean and Dry Air * Dew Point: +3 °C +/-1
- *Max Working Pressure: 16Bar * Capacity Range: 21 ~ 5040 m³/h * Power Range: 130W ~ 12,3KW * Ecological Refrigerant Gases: R134A—R410A—R452A * Control Module (Status of gas dryer, fan status, Dew point indicator) * Alarms for High/Low Dew Point



DESICCANT (ABSORPTION) AIR DRYER

- *Clean and Dry Air
- * Dew Point:-40°C
- *Power consumption: 50 Watt 230VAC/1Ph/50-60Hz
- *Purge air consumption 15% @ pdp
- *Tower pressure gauge
- *10 minute cycle
- *Options: (Dew point transmitter, dew point indicator, humidity alarm, automatic cycle control) / 3 valve by-pass systems / Failure to switch alarm



FILTER CHAIN

- Water Separator (WS: 10 mic)
- Pre-Filtering (P: 5 mic / 5 mg/m³)
- General Purpose (G: 1 mic / 0.5 mg/m³)
- High Efficiency Oil Retaining (H: 0.01 mic / 0.01 mg/m³)
- Solid Particle - Dust (D: 0.01 mic / ---- mg/m³)
- Activated Carbon (C: --- mic / 0.003 mg/m³)
- Sterile (DOP Penetration of < 0.0001%)
- Optional: Hopcolite (HOP: 0.01 mic / 0.0001 mg/m³)



CONTROL MODULE

- Anti-Aging Compressor Sequencing System
- LCD Screen with Control Buttons for all necessary adjustments
- Vertical LED Bar for Tank Pressure Level
- Alfa-Numeric Display for Pressure Value
- LED Points for Compressor Status



System Code	Regular System Output in DUTY (m3/h @ 10bar)	Total Power Consumption (KW) in DUTY	Compressor Type	Design	Total Power Consumption (KW) DUTY + BACKUP	Total Max. Flow Capacity (m3/h) DUTY + BACKUP
MEDBH - 19	19,2	2,2	DMD30 - Belt Driven	HTM2022 - (1 Duty + 1 BuckUp)	4,4	38,4
	19,2	2,2	DMD30 - Belt Driven	HTM02-01 - (1 Duty + 2 BuckUp)	6,6	57,6
MEDBH - 23	22,8	3	DMD40 - Belt Driven	HTM2022 - (1 Duty + 1 BuckUp)	6	45,6
	22,8	3	DMD40 - Belt Driven	HTM02-01 - (1 Duty + 2 BuckUp)	9	68,4
MEDBH - 30	30	4	DMD55 - Belt Driven	HTM2022 - (1 Duty + 1 BuckUp)	8	60
	30	4	DMD55 - Belt Driven	HTM02-01 - (1 Duty + 2 BuckUp)	12	90
MEDBH - 38	38,4	4,4	DMD30 - Belt Driven	HTM2022 - (2 Duty + 1 BuckUp)	6,6	57,6
	38,4	4,4	DMD30 - Belt Driven	HTM02-01 - (2 Duty + 2 BuckUp)	8,8	76,8
MEDBH - 41	41,4	5,5	DMD75 - Belt Driven	HTM2022 - (1 Duty + 1 BuckUp)	11	82,8
	41,4	5,5	DMD75 - Belt Driven	HTM02-01 - (1 Duty + 2 BuckUp)	16,5	124,2
MEDBH - 46	45,6	6	DMD40 - Belt Driven	HTM2022 - (2 Duty + 1 BuckUp)	9	68,4
	45,6	6	DMD40 - Belt Driven	HTM02-01 - (2 Duty + 2 BuckUp)	12	91,2
MEDBH - 58	57,6	6,6	DMD30 - Belt Driven	HTM2022 - (3 Duty + 1 BuckUp)	8,8	76,8
	57,6	7,5	DMD100 - Belt Driven	HTM2022 - (1 Duty + 1 BuckUp)	15	115,2
	57,6	7,5	DMD100 - Belt Driven	HTM02-01 - (1 Duty + 2 BuckUp)	22,5	172,8
MEDBH - 60	60	8	DMD55 - Belt Driven	HTM2022 - (2 Duty + 1 BuckUp)	12	90
	60	8	DMD55 - Belt Driven	HTM02-01 - (2 Duty + 2 BuckUp)	16	120
MEDBH - 68	68,4	9	DMD40 - Belt Driven	HTM2022 - (3 Duty + 1 BuckUp)	12	91,2
	80,4	11	DMD150 - Belt Driven	HTM2022 - (1 Duty + 1 BuckUp)	22	160,8
MEDBH - 80	80,4	11	DMD150 - Belt Driven	HTM02-01 - (1 Duty + 2 BuckUp)	33	241,2
	82,8	11	DMD75 - Belt Driven	HTM2022 - (2 Duty + 1 BuckUp)	16,5	124,2
MEDBH - 83	82,8	11	DMD75 - Belt Driven	HTM02-01 - (2 Duty + 2 BuckUp)	22	165,6
	90	12	DMD55 - Belt Driven	HTM2022 - (3 Duty + 1 BuckUp)	16	120
MEDBH - 90	115,2	15	DMD100 - Belt Driven	HTM2022 - (2 Duty + 1 BuckUp)	22,5	172,8
	115,2	15	DMD100 - Belt Driven	HTM02-01 - (2 Duty + 2 BuckUp)	30	230,4
MEDBH - 124	124,2	16,5	DMD75 - Belt Driven	HTM2022 - (3 Duty + 1 BuckUp)	22	165,6
	134,4	15	DMD200 - Belt Driven	HTM2022 - (1 Duty + 1 BuckUp)	30	268,8
MEDBH - 134	134,4	15	DMD200 - Belt Driven	HTM02-01 - (1 Duty + 2 BuckUp)	45	403,2
	138	15	EKO15 - Direct Driver	HTM2022 - (1 Duty + 1 BuckUp)	30	276
MEDBH - 138	138	15	EKO15 - Direct Driver	HTM02-01 - (1 Duty + 2 BuckUp)	45	414
	156	18,5	DMD250 - Belt Driven	HTM2022 - (1 Duty + 1 BuckUp)	37	312
MEDBH - 156	156	18,5	DMD250 - Belt Driven	HTM02-01 - (1 Duty + 2 BuckUp)	55,5	468
	160,8	22	DMD150 - Belt Driven	HTM2022 - (2 Duty + 1 BuckUp)	33	241,2
MEDBH - 161	160,8	22	DMD150 - Belt Driven	HTM02-01 - (2 Duty + 2 BuckUp)	44	321,6
	172,8	22,5	DMD100 - Belt Driven	HTM2022 - (3 Duty + 1 BuckUp)	30	230,4
MEDBH - 174	174	18,5	EKO18 - Direct Driver	HTM2022 - (1 Duty + 1 BuckUp)	37	348
	174	18,5	EKO18 - Direct Driver	HTM02-01 - (1 Duty + 2 BuckUp)	55,5	522
MEDBH - 187	187,2	22	DMD300 - Belt Driven	HTM2022 - (1 Duty + 1 BuckUp)	44	374,4
	187,2	22	DMD300 - Belt Driven	HTM02-01 - (1 Duty + 2 BuckUp)	66	561,6
MEDBH - 198	198	22	EKO22 - Direct Driver	HTM2022 - (1 Duty + 1 BuckUp)	44	396
	198	22	EKO22 - Direct Driver	HTM02-01 - (1 Duty + 2 BuckUp)	66	594
MEDBH - 217	217,2	30	DMD400 - Belt Driven	HTM2022 - (1 Duty + 1 BuckUp)	60	434,4
	217,2	30	DMD400 - Belt Driven	HTM02-01 - (1 Duty + 2 BuckUp)	90	651,6
MEDBH - 241	241,2	33	DMD150 - Belt Driven	HTM2022 - (3 Duty + 1 BuckUp)	44	321,6
	268,8	30	DMD200 - Belt Driven	HTM2022 - (2 Duty + 1 BuckUp)	45	403,2
MEDBH - 269	268,8	30	DMD200 - Belt Driven	HTM02-01 - (2 Duty + 2 BuckUp)	60	537,6
	276	30	EKO15 - Direct Driver	HTM2022 - (2 Duty + 1 BuckUp)	45	414
MEDBH - 276	276	30	EKO15 - Direct Driver	HTM02-01 - (2 Duty + 2 BuckUp)	60	552
	288	30	EKO30 - Direct Driver	HTM2022 - (1 Duty + 1 BuckUp)	60	576
MEDBH - 288	288	30	EKO30 - Direct Driver	HTM02-01 - (1 Duty + 2 BuckUp)	90	864
	297	37	DMD400S - Belt Driven	HTM2022 - (1 Duty + 1 BuckUp)	74	594
MEDBH - 297	297	37	DMD400S - Belt Driven	HTM02-01 - (1 Duty + 2 BuckUp)	111	891
	312	37	DMD250 - Belt Driven	HTM2022 - (2 Duty + 1 BuckUp)	55,5	468
MEDBH - 312	312	37	DMD250 - Belt Driven	HTM02-01 - (2 Duty + 2 BuckUp)	74	624
	321	37	DMD500 - Belt Driven	HTM2022 - (1 Duty + 1 BuckUp)	74	642
MEDBH - 321	321	37	DMD500 - Belt Driven	HTM02-01 - (1 Duty + 2 BuckUp)	111	963
	348	37	EKO18 - Direct Driver	HTM2022 - (2 Duty + 1 BuckUp)	55,5	522
MEDBH - 348	348	37	EKO18 - Direct Driver	HTM02-01 - (2 Duty + 2 BuckUp)	74	696
	348	37	EKO37 - Direct Driver	HTM2022 - (1 Duty + 1 BuckUp)	74	696
	348	37	EKO37 - Direct Driver	HTM02-01 - (1 Duty + 2 BuckUp)	111	1044
MEDBH - 366	366	45	DMD600 - Belt Driven	HTM2022 - (1 Duty + 1 BuckUp)	90	752
	366	45	DMD600 - Belt Driven	HTM02-01 - (1 Duty + 2 BuckUp)	135	1098
MEDBH - 374	374,4	44	DMD300 - Belt Driven	HTM2022 - (2 Duty + 1 BuckUp)	66	561,6
	374,4	44	DMD300 - Belt Driven	HTM02-01 - (2 Duty + 2 BuckUp)	88	748,8
MEDBH - 396	396	44	EKO22 - Direct Driver	HTM2022 - (2 Duty + 1 BuckUp)	66	594

PRESSURE REDUCING PANELS

- Parallel connected double regulator adjusted to 4 /5 bar or 7/8 bar output pressure
- Input / Output Pressure Gauge
- Shut-off Balve Valves
- Back Plate for wall mount

lesim.com



AGSS SYSTEMS

ANAESTHETIC GAS SCAVENGING PLANT

- 2 / 3 / 4 Blower Pumps
- Pre-Filter & Safety Valve
- Control Panel for 2/3/4 Blowers
- Metal Chassis with Powder Coated



- Factory pre-piped, wired and tested
- Easy-to-read digital display indicates pipeline pressure
- Digital pressure Transducer
- Non-return valve
- Copper inlet connection



SYSTEM CODE	TYPE	POWER (KW)	OUTPUT NUMBER for BS6834:1996	
			@130Lt/min	@80Lt/min
			MEDAG-30	DUBLEX
MEDAG-50	DUBLEX	2 x 55	6	10
MEDAG-70	DUBLEX	2 x 70	9	14
MEDAG-100	DUBLEX	2 x 100	13	20
MEDAG-150	DUBLEX	2 x 148	19	30
MEDAG-210	DUBLEX	2 x 210	27	44

REMOTE CONTROL MODULE

- Start / Stop Buttons
- Alarm Mute Button
- LED Indicators for Pumps (Normal/Fault/Alarm)



SINGLE STAGE BLOWER

- Blades operate without contacting the pump body
- No need to be lubricated.
- The environment remains clean.
- Advantage in medical areas that require a clean gas flow



SINGLE STAGE BLOWERS

Flow (m3/h)	Input size	Voltage (v)	Phase	Power (KW)	Noise (Db)	Weight (Kg)
30	3/4"	380	50Hz	0,,2	45	4
55	1"	380	50Hz	0,2	46	5
70	1"	380	50Hz	0,25	46	7
80	1-1/4"	380	50Hz	0,34	53	10
100	1-1/4"	380	50Hz	0,55	63	13
148	1-1/2"	380	50Hz	0,75	63	16
180	1-1/2"	380	50Hz	1,1	63	17
210	2"	380	50Hz	1,5	64	23
265	2"	380	50Hz	2,2	69	29
318	2"	380	50Hz	2,2	69	30
420	2"	380	50Hz	3	70	37
530	2-1/2"	380	50Hz	5,5	70	54
700	2-1/2"	380	50Hz	7,5	70	69
1050	4"	380	50Hz	11	74	120
1370	4"	380	50Hz	15	75	130



AREA VALVE & SERVICE UNITS

ZONE SERVICE UNITS

- On/Off valve group that physically disconnects the distribution line
- Digital Alarm up to 6 gas lines
- Pressure & Vacuum Transducers
- Monoblock structure for each gas line

- Gauges for pressurized gas (0-10 Bar) and Vacuum (0/-1 Bar),
- Breakable Colored Lock Cover in Emergency
- Vertical Entry Pipes Ø15mm/Ø22mm
- without Pressure Regulators
- Metal Enclosure painted in Electrostatic Powder Coating
- S/s Enclosure optional



MEDICAL GAS ALARM

- Audio/Visual Warning
- LCD Screen for showing alarm status and pressure/vacuum values
- 3 buttons to adjust and set the alarm
- LED indicators of 6 gas lines for High/Normal/Low pressures
- Compact back box with Input/outputs



**ZSU
WITHOUT ALARM**

- On/Off valve group that physically disconnects the distribution line
- Monoblock structure for each gas line
- Emergency Feeding Outlets in NIST- AFNOR - DIN - BS
- Shut Off Ball Valves with GCU (3/8" - 1/2")
- Gauges for pressurized gas (0-10 Bar) and Vacuum (0/-1 Bar),
- Breakable Colored Lock Cover in Emergency
- Vertical Entry Pipes Ø15mm/Ø22mm
- without Pressure Regulators
- Metal Enclosure painted in Electrostatic Powder Coating
- S/s Enclosure optional



CODE	GAS LINES	MEDIUM	WEIGHT	POWER	ALARM
MEDKP1-1	1 Gas	O2	12 Kg	220VAC	included
MEDKP1-11	1 Gas + Vacuum	O2+Vac	13 Kg	220VAC	included
MEDKP1-20	2 Gases	O2+MAir	13 Kg	220VAC	included
MEDKP1-21	2 Gases + Vacuum	O2+MAir+Vac	14 Kg	220VAC	included
MEDKP1-30	3 Gases	O2+MAir+Sair	14 Kg	220VAC	included
MEDKP1-31	3 Gases + Vacuum	O2+N2O+MAir+Vac	18 Kg	220VAC	included
MEDKP1-41	4 Gases + Vacuum	O2+N2O+MAir+SAir+Vac	20 Kg	220VAC	included
MEDKP1-51	5 Gases + Vacuum	O2+N2O+MAir+SAir+CO2+Vac	24 Kg	220VAC	included
MEDKP0-1	1 Gas	O2	11 Kg	----	excluded
MEDKP0-11	1 Gas + Vacuum	O2+Vac	12 Kg	----	excluded
MEDKP0-20	2 Gases	O2+MAir	12 Kg	----	excluded
MEDKP0-21	2 Gases + Vacuum	O2+MAir+Vac	13 Kg	----	excluded
MEDKP0-30	3 Gases	O2+MAir+Sair	13 Kg	----	excluded
MEDKP0-31	3 Gases + Vacuum	O2+N2O+MAir+Vac	17 Kg	----	excluded
MEDKP0-41	4 Gases + Vacuum	O2+N2O+MAir+SAir+Vac	19 Kg	----	excluded
MEDKP0-51	5 Gases + Vacuum	O2+N2O+MAir+SAir+CO2+Vac	23 Kg	----	excluded

2ND STAGE PRESSURE REDUCER PANELS



- with Single or Double Low Pressure Reducer(s)
- Flow Capacity of Regulator: 20. m³/h in 10 Bar Input / 4-5 Bar Output
- Side Entry Pipes Ø15mm/Ø22mm
- With Gauges and Feeding Outlets at both sides
- Shut Off Ball Valves with GCU's
- Metal Enclosure painted in Electrostatic Powder Coating
- Digital Alarm with Sensors

CODE FOR DOUBLE REGULATORS	GAS LINES	MEDIUM	CODE FOR SINGLE REGULATORS
MEDKP2-1D	1 Gas	O ₂	MESKP2-1S
MEDKP2-1D1	1 Gas + Vacuum	O ₂ +Vac	MESKP2-1S1
MEDKP2-2D	2 Gases	O ₂ +MAir	MESKP2-2S
MEDKP2-2D1	2 Gases + Vacuum	O ₂ +MAir+Vac	MESKP2-2S1
MEDKP2-3D	3 Gases	O ₂ +MAir+SAir	MESKP2-3S
MEDKP2-3D1	3 Gases + Vacuum	O ₂ +N ₂ O+MAir+Vac	MESKP2-3S1
MEDKP2-4D1	4 Gases + Vacuum	O ₂ +N ₂ O+MAir+SAir+Vac	MESKP2-4S1
MEDKP2-5D1	5 Gases + Vacuum	O ₂ +N ₂ O+MAir+SAir+CO ₂ +Vac	MESKP2-5S1

MEDICAL GAS OUTLETS

MEDICAL GAS OUTLET (BRITISH TYPE) BS 5682

MEDGPBS-O2	OXYGEN	MEDGPBS-VA	VACUUM
MEDGPBS-NO	NITROUSOXIDE	MEDGPBS-CO	CARBOBDIOXIDE
MEDGPBS-A4	AIR 4BAR	MEDGPBS-N2	NITROGEN
MEDGPBS-A7	AIR 7 BAR	MEDGPBS-MX	MIX GAS



MEDICAL GAS OUTLET (GERMAN TYPE) DIN 13260-2

MEDGPDN-O2	OXYGEN	MEDGPDN-VA	VACUUM
MEDGPDN-NO	NITROUSOXIDE	MEDGPDN-CO	CARBOBDIOXIDE
MEDGPDN-A4	AIR 4BAR	MEDGPDN-N2	NITROGEN
MEDGPDN-A7	AIR 7 BAR	MEDGPDN-MX	MIX GAS



MEDICAL GAS OUTLET (FRENCH TYPE) AFNOR NF S 90-116

MEDGPNF-O2	OXYGEN	MEDGPNF-VA	VACUUM
MEDGPNF-NO	NITROUSOXIDE	MEDGPNF-CO	CARBOBDIOXIDE
MEDGPNF-A4	AIR 4BAR	MEDGPNF-N2	NITROGEN
MEDGPNF-A7	AIR 7 BAR	MEDGPNF-MX	MIX GAS



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**ANESTHETIC GAS
SCAVENGING OUTLET
(EN9170-2) - VENTURY TYPE**



MEDGPAGT-VNT

OUTLET

MEDGFAGT-VNT

MALE PROBE



**ANESTHETIC GAS
SCAVENGING OUTLET
(BS 6834) - PUMP TYPE**



MEDGPAGT-PMP

OUTLET

MEDGFAGT-PMP

MALE PROBE



**WALL BOX
(TO BE INSTALLED UNDER
THE WALL PLASTER)**



MEDWMSA-1/B

WITH PAINTED COVER

MEDWMSA-1/S

WITH S/s COVER

VALVES WITH GCU'S



DEGREASED SHUT OFF BALL VALVES WITH GCU'S

MEDV-12	3/8" - 12mm	MEDV-42	1-1/2" - 42mm
MEDV-15	1/2" - 15mm	MEDV-54	2" - 54mm
MEDV-22	3/4" - 22mm	MEDV-64	2-1/2" - 64mm
MEDV-28	1" - 28mm	MEDV-76	3" - 76mm
MEDV-35	1-1/4" - 35mm	MEDV-108	4" - 108mm



LOCKABLE DEGREASED SHUT OFF BALL VALVES AND GCU'S

MEDVL-15	1/2" - 15mm
MEDVL-22	3/4" - 22mm
MEDVL-28	1" - 28mm



DEGREASED SHUT OFF BALL VALVES AND GCU'S WITH SIDE PIPES

MEDVP-12	3/8" - 12mm	MEDVP-15	1/2" - 15mm	MEDVP-22	3/4" - 22mm
MEDVP-28	1" - 28mm	MEDVP-35	1-1/4" - 35mm	MEDVP-42	1-1/2" - 42mm
MEDVP-54	2" - 54mm	MEDVP-76	3" - 76mm	MEDVP-108	4" - 108mm
MEDVLP-15	1/2" - 15mm	MEDVLP-22	3/4" - 22mm	MEDVLP-28	1" - 28mm

VALVE BOXES

- Metal Enclosure with Lockable Cover
- Emergency Feeding Outlets at Input/Output sides
- Gauges at Input/Output sides (Optional)
- Side Entry Pipes
- Available Gases: O2-N2O-MAir-SAir-CO2-VAC-AGSS
- Breakable Front Plexy in Emergency
- Easy Visual Checking



MEDICAL COPPER PIPES

Degreased & Closed with End-Caps
 Manufactured in accordance with
 MDD 93/42/EEC
 in observance of EN 13348 (Harmonized
 under the PED Directive 97/23/EC—EU
 Pressure Equipment Directive



AVAILABLE PIPE SIZES AND THICKNESS in mm

8 x 1	10 x 0,60	10 x 1	12 x 0,60	12 x 1	14 x 1	15 x 0,70	15 x 1	16 x 1	18 x 1	22 x 1
22 x 1,50	28 x 1	28 x 1,50	35 x 1	35 x 1,20	35 x 1,50	42 x 1	42 x 1,20	42 x 1,50	54 x 1,00	54 x 1,20
54 x 1,50	54 x 2	64 x 2	76 x 1,50	76 x 2	89 x 2	108 x 1,50	108 x 2	108 x 2,50		

COPPER FITTINGS



ELBOW



EQUAL TEE



STRAIGHT COUPLER



REDUCER



INEQUAL TEE



ELBOW 45

COPPER MUNSEN RING

Sizes: Ø12mm, Ø15/16mm, Ø18mm, Ø22mm, Ø28mm, Ø35mm, Ø42mm, Ø54mm



PIPE CLAMP WITH TRIPHONE

Sizes: 1/8" - 1/4" - 3/8" - 1/2" - 3/4" - 1" - 1-1/4" - 1-1/2" - 2" - 2-1/2" - 3" - 4"



PIPE CLAMPS

PLASTIC PIPE CLAMP

Sizes for Single or Double types: 10mm—12mm—15mm—16mm -18mm—22mm—28mm



CLOSED PLASTIC PIPE CLAMP

Sizes: (6 - 8mm), (9 -11mm), 12mm, 15mm, (16,5 - 18mm), (20,5 - 22mm), (22,5 - 25mm), (25,5 - 28mm), (31,5 - 35mm), (40,5 - 43mm), 54mm



CLOSED PLASTIC PIPE CLAMP

Sizes: 5-25mm—8-36mm—14-48mm 24-72mm



METAL RAIL FOR POLYAMIDE SERIES CLIP

Light-duty profile rail, perforated, slot width 11 mm for 5-25mm—8-36mm Slot width 17mm for 14-48mm—24-72mm



BED HEAD UNITS



Specially designed Wall Mounted Bed Head Units that are equipped with electrical sockets, medical gas outlets, etc. allow for connection of all equipment necessary for the patient's care to be connected to these services
Standard lengths of 1,20m, 1.50m, 1.60m, 1.80M and 2.00m per bed are available



BASIC SERIES

(200x80mm) for 1, 2 or 3 beds
Medical Gas Outlets, Power Sockets, Data Sockets, Lightings and switches
Code: MEDB H-B



1B2L SERIES

(313x100mm) for 1, 2 or 3 beds
Medical Gas Outlets, Power Sockets, Data Sockets, Lightings and switches
Code: MEDBH-1B



2LXR SERIES

(448x125mm) for 1, 2 or 3 beds
Medical Gas Outlets, Power Sockets, Data Sockets, Lightings, switches and Rails
Code: MEDBH-2B



3B2LXR SERIES

(578x125mm) for 1, 2 or 3 beds
Medical Gas Outlets, Power Sockets, Data Sockets, Lightings, switches
Code: MEDBH-3B



ICU BASIC SERIES

(350x100mm) for 1, 2 or 3 beds
Medical Gas Outlets, Main and UPS Power Sockets, Data Sockets, Equipotential Earth Sockets and Rails for Accessories
Code: MEDICU-B



2BXR1 SERIES

(345x97mm) for 1, 2 or 3 beds
Medical Gas Outlets, Main and UPS Power Sockets, Data Sockets, Equipotential Earth Sockets and Rails for Accessories
Code: MEDICU-2B1



2BXR2 SERIES

(263x110mm) for 1, 2 or 3 beds
Medical Gas Outlets, Main and UPS Power Sockets, Data Sockets, Equipotential Earth Sockets and Rails for Accessories
Code: MEDICU-2B2



CEILING MOUNT TYPE (BRIDGE MODEL)

ICU Bed Head Unit
*Medical Gas Outlets,
*Main and UPS Power Sockets,
*Data Sockets,
*Equipotential Earth Sockets,
*Rails for Accessories
*Trolleys with Lateral/Rotational Movements
*Ceiling Vertical Legs with Steel plates and Collars

Wet Side Trolley:
Vertical Rod with Hooks and Support Legs

Dry Side:
Shelves and Drawers with Side Rails to support





VERTICAL BED HED UNIT

Wall Mounted or Self-Standing (from the Floor to the Ceiling)

Single Side or Double Side use Vertical Channels to support the accessories

Ceiling Collar and Tiege rod sets for Self-standing type

Equipment: Medical Gas Outlets, Main and UPS Power Sockets, Data Sockets, Equipotential Earth Sockets

Accessories: Shelf for general purpose, Shelf with Drawer(s) and side rails, Vertical Rods with IV Hooks and support legs, Monitor Holders with Arm, S/s front rails, equipment baskets

Vertical Lengths: upto 3.5m

Code: MEDBH-VS



VERTICAL BED HED UNIT (WALL MOUNTED)

Single Side or Double Side use Vertical S/s Rod(s) to support the accessories

Equipment: Medical Gas Outlets, Main and UPS Power Sockets, Data Sockets, Equipotential Earth Sockets

Accessories: Shelf for general purpose, Shelf with Drawer(s) and side rails, Vertical Rods with IV Hooks and support legs

Standard Lengths: 1,5m—1,8m—2,0m

Code: MEDBH-V



CEILING PENDANTS

CEILING PENDANT FOR ICU

Drop Tube with Ceiling Collar and Montage Plate and Tiege Rod set
Friction Brake for Rotational Movement
Equipment for Vertical Service Head: Medical Gas Outlets, Main and UPS Power Sockets, Data Sockets, Equipotential Earth Sockets

Accessories: Shelf for general purpose, Shelf with Drawer(s) and side rails, Vertical Rods with IV Hooks and support legs

Code: MEDCP-ICU



PENDANT ARM FOR O.T.

-Non-Movtorized (Fixed Height)
Single or Double Horizontal Arm
Pneumatic or Friction Brake for Rotational Movement
Drop Tube with Ceiling Collar and Montage Plate and Tiege Rod set
Equipment for Vertical Service Head and Accessories

Code:
MEDPAS-NM: Single Arm
MEDPAD-NM: Double Arm



PENDANT ARM FOR O.T.

Motorized Vertical Movement (Height Adjustable) for Service Head
Single or Double Horizontal Arm
Pneumatic or Friction Brake for Rotational Movement
Drop Tube with Ceiling Collar and Montage Plate and Tiege Rod set
Equipment for Vertical Service Head and Accessories

Code: MEDPAS-M: Single Arm
MEDPAD-M: Double Arm



PENDANT ARMS (MODEL N SERIES)

Code: MEDNCP-ICU

CEILING PENDANT FOR ICU



PENDANT ARM FOR O.T.

Non-Motorized
(Fixed Height)

Code: MEDNPAS-NM:
Single Arm



PENDANT ARM FOR O.T.

Non-Motorized
(Fixed Height)

Code: MEDNPAD-NM:
Double Arm



PENDANT ARM FOR O.T.

Motorized Vertical Movement
(Height Adjustable) for Service
Head

Code:
MEDNPAS-M: Single Arm
MEDNPAD-M: Double Arm



ACCESSORIES (FLOWMETERS)



CODE	TYPE
MEDFLW-O2-BS	with BS5682 Male Probe
MEDFLW-O2-DN	with DIN13260-2 Male Probe
MEDFLW-O2-BS-L	with BS5682 Male Long Probe
MEDFLW-O2-DN-L	with DIN13260-2 Male Long Probe



OXYGEN FLOWMETER

Flow: 0-15LPM
with Humidifier Jar (200cc)

CODE	TYPE
MEDFLW-O2-NF	with AFNOR NF S 90-116 Male Probe
MEDFLW-O2-NFL1	with AFNOR NF S 90-116 Lockable Male Probe (type1)
MEDFLW-O2-NFL2	with AFNOR NF S 90-116 Lockable Male Probe (type2)
MEDFLW-O2-NF-L	with AFNOR NF S 90-116 Male Long Probe
MEDFLW-O2-NFL1-L	with AFNOR NF S 90-116 Lockable Male Long Probe (type1)
MEDFLW-O2-NFL2-L	with AFNOR NF S 90-116 Lockable Male Long Probe (type2)



O2 FLOWMETER (RAIL MOUNT TYPE)	
CODE	TYPE
MEDFLW-O2-NF-R	with Hose + AFNOR NF S 90-116 Male Probe
MEDFLW-O2-DN-R	with Hose + DIN13260-2 Male Probe
MEDFLW-O2-BS-R	with Hose + BS5682 Male Probe



TWIN O2 FLOWMETER	
CODE	TYPE
MEDFLW-O2-NF-T	with AFNOR NF S 90-116 Male Probe
MEDFLW-O2-DN-T	with DIN13260-2 Male Probe
MEDFLW-O2-BS-T	with BS5682 Male Probe

STEP FLOWMETER	
CODE	TYPE
MEDFLW-O2-NF-S	with AFNOR NF S 90-116 Male Probe
MEDFLW-O2-DN-S	with DIN13260-2 Male Probe
MEDFLW-O2-BS-S	with BS5682 Male Probe
MEDFLW-O2-NF-SP	Paediatric type with AFNOR NF S 90-116 Male Probe
MEDFLW-O2-DN-SP	Paediatric type with DIN13260-2 Male Probe
MEDFLW-O2-BS-SP	Paediatric type with BS5682 Male Probe



CODE	TYPE
MEDFLW-A-BS	with BS5682 Male Probe
MEDFLW-A-DN	with DIN13260-2 Male Probe
MEDFLW-A-NF	with AFNOR NF S 90-116 Male Probe



OXYGEN REGULATOR

CODE	TYPE
MEDOREG-1	with Cylinder Connection G5/8 Male (Bull Nose)
MEDOREG-2	with Cylinder Connection G5/8 Male (Bull Nose) - Hand Held
MEDOREG-3	with Cylinder Connection G5/8 Female (Nut)
MEDOREG-4	with Cylinder Connection G3/4 Female (Nut)
MEDOREG-5	with Cylinder Connection 21.8mm (Nut)



OXYGEN REGULATOR (COMPACT MODEL)

MEDOREG-C	COMPACT MODEL
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O2 FLOWMETER + EXTRA OUTPUT WITH GAUGE

CODE	TYPE
MEDFLW-O2-NF-EG	with Hose + AFNOR NF S 90-116 Male Probe
MEDFLW-O2-DN-EG	with Hose + DIN13260-2 Male Probe
MEDFLW-O2-BS-EG	with Hose + BS5682 Male Probe



OXYGEN REGULATOR WITH EXTRA GAS OUTLET

CODE	TYPE
MEDOREG-1-O	with Cylinder Connection G5/8 Male (Bull Nose)
MEDOREG-2-O	with Cylinder Connection G5/8 Male (Bull Nose) -
MEDOREG-3-O	with Cylinder Connection G5/8 Female (Nut)
MEDOREG-4-O	with Cylinder Connection G3/4 Female (Nut)
MEDOREG-5-O	with Cylinder Connection 21.8mm (Nut)

OXYGEN REGULATOR—DOUBLE GAUGES

CODE	CYLINDER CONNECTION TYPE
MEDIREG-1G	with G5/8 Male (Bull Nose)
MEDIREG-2G	with G5/8 Male (Bull Nose) - Hand Held
MEDIREG-3G	with G5/8 Female (Nut)
MEDIREG-4G	with G3/4 Female (Nut)
MEDIREG-5G	with 21.8mm (Nut)



O2—AIR MIXER

CODE	TYPE
MEDMIX-BS	with BS5682 Probes
MEDMIX-DN	with DIN13260-2 Probes
MEDMIX-NF	with AFNOR NF S 90-116 Probes



HUMIDIFIER JARS

CODE	TYPE
MEDFJ-1	with ABS Cap & Metal Diffuser Pipe
MEDFJ-2	with ABS Cap & Transparent Diffuser Pipe
MEDFJ-3	with ABS Cap & Silicone Diffuser Pipe
MEDFJ-4	with Metal Cap & Metal Diffuser Pipe



VACUUM REGULATOR

ACCESSORIES (VACUUM REGULATORS)

Model 1 : with Handle On/Off Lever

CODE	TYPE
MEDVR1-BS	with BS5682 Male Probe
MEDVR1-DN	with DIN13260-2 Male Probe
MEDVR1-NF	with AFNOR NF S 90-116 Male Probe

Model 1 with Hose Barb output & without Trap Jar

CODE	TYPE
MEDVR1-BS-WT	with BS5682 Male Probe
MEDVR1-DN-WT	with DIN13260-2 Male Probe
MEDVR1-NF-WT	with AFNOR NF S 90-116 Male Probe

Model 2 : with Sliding On/Off Lever

CODE	TYPE
MEDVR2-BS	with BS5682 Male Probe
MEDVR2-DN	with DIN13260-2 Male Probe
MEDVR2-NF	with AFNOR NF S 90-116 Male Probe

Model 3 : 0-760mmHg (Adult)

CODE	TYPE
MEDVR3-BS	with BS5682 Male Probe
MEDVR3-DN	with DIN13260-2 Male Probe
MEDVR3-NF	with AFNOR NF S 90-116 Male Probe

Model 2 with Hose Barb output & without Trap Jar

CODE	TYPE
MEDVR2-BS-WT	with BS5682 Male Probe
MEDVR2-DN-WT	with DIN13260-2 Male Probe
MEDVR2-NF-WT	with AFNOR NF S 90-116 Male

Model 4 : 0-250mmHg (Paediatric)

CODE	TYPE
MEDVR4-BS	with BS5682 Male Probe
MEDVR4-DN	with DIN13260-2 Male Probe
MEDVR4-NF	with AFNOR NF S 90-116 Male Probe



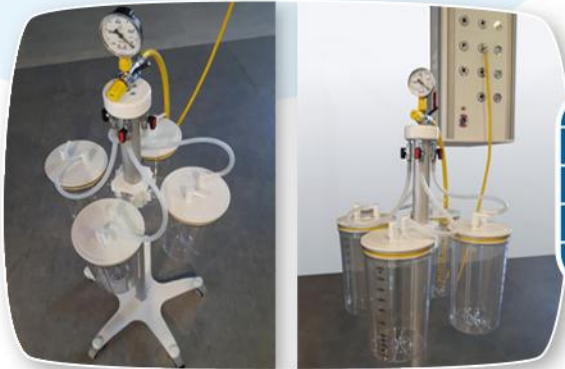


Model 1 (Rail Type) without Trap Jar	
CODE	TYPE
MEDVR1-BS-RWT	with BS5682 Male Probe
MEDVR1-DN-RWT	with DIN13260-2 Male Probe
MEDVR1-NF-RWT	with AFNOR NF S 90-116 Male Probe

Model 2 (Rail Type) without Trap Jar	
CODE	TYPE
MEDVR2-DN-RWT	with BS5682 Male Probe
MEDVR2-BS-RWT	with DIN13260-2 Male Probe
MEDVR2-NF-RWT	with AFNOR NF S 90-116 Male Probe

Model 1 (Rail Type) with Trap Jar	
CODE	TYPE
MEDVR1-BS-R	with BS5682 Male Probe
MEDVR1-DN-R	with DIN13260-2 Male Probe
MEDVR1-NF-R	with AFNOR NF S 90-116 Male

Model 2 (Rail Type) with Trap Jar	
CODE	TYPE
MEDVR2-BS-R	with BS5682 Male Probe
MEDVR2-DN-R	with DIN13260-2 Male Probe
MEDVR2-NF-R	with AFNOR NF S 90-116 Male



Vacuum Trolley for O.T.	
CODE	TYPE
MEDVT-BS-OT	with BS5682 Male Probe
MEDVT-DN-OT	with DIN13260-2 Male Probe
MEDVT-NF-OT	with AFNOR NF S 90-116 Male



Vacuum Collecting Jar	
CODE	TYPE
MED-SJ	2000cc
MED-SJ-C	Wall/Rail Clamp
MED-SJ-K	Cap



Suction Bag	
CODE	TYPE
MEDSB	2000cc



Silicone Hose	
CODE	TYPE
MEDSH	12 x 6mm



Jar without Cap	
CODE	TYPE
MED-SJ	2000cc
MED-SJ-C	Wall/Rail Clamp

ACCESSORIES (EJECTOR) VENTURY SUCTION DEVICE DRIVEN BY AIR



Ejector	
CODE	TYPE
MEDEJ-BS	with BS5682 Male Probe
MEDEJ-DN	with DIN13260-2 Male Probe
MEDEJ-NF	with AFNOR NF S 90-116 Male

Twin Ejector	
CODE	TYPE
MEDEJ-BS-T	with BS5682 Male Probe
MEDEJ-DN-T	with DIN13260-2 Male Probe
MEDEJ-NF-T	with AFNOR NF S 90-116 Male



Ejector Set with Collecting Jar	
CODE	TYPE
MEDEJ-BS-SET	with BS5682 Male Probe
MEDEJ-DN-SET	with DIN13260-2 Male Probe
MEDEJ-NF-SET	with AFNOR NF S 90-116 Male



EJECTOR REGULATOR	
CODE	TYPE
MEDEREG-1	with Cylinder Connection G5/8 Male (Bull Nose)
MEDEREG-2	with Cylinder Connection G5/8 Male (Bull Nose) -
MEDEREG-3	with Cylinder Connection G5/8 Female (Nut)
MEDEREG-4	with Cylinder Connection G3/4 Female (Nut)
MEDEREG-5	with Cylinder Connection 21.8mm (Nut)



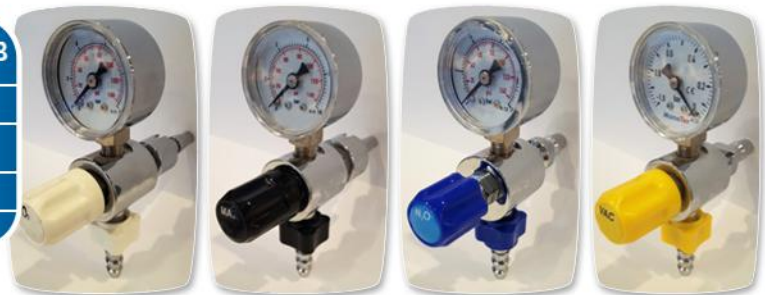
Ejector Trolley for O.T.	
CODE	TYPE
MEDEJ-BS-OT	with BS5682 Male Probe
MEDEJ-DN-OT	with DIN13260-2 Male Probe
MEDEJ-NF-OT	with AFNOR NF S 90-116 Male

ACCESSORIES (MALE PROBES)

PROBES WITH GAUGE AND KNOB

CODE	TYPE
MEDGA1-X	with AFNOR NF S 90-116 Male Probe
MEDGA2-X	with DIN13260-2 Male Probe
MEDGA3-X	with BS5682 Male Probe

X: Gas type



AFNOR O2 PROBES (LOCKABLE)

CODE	TYPE
MEDMP1-NF-O2-L1	Type 1
MEDMP1-NF-O2-L2	Type 2



REGULATOR OUTLET

CODE	TYPE
MEDRO-1-XX	with Cylinder Connection G5/8 Male (Bull Nose)
MEDRO-2-XX	with Cylinder Connection G5/8 Male (Bull Nose) -
MEDRO-3-XX	with Cylinder Connection G5/8 Female (Nut)
MEDRO-4-XX	with Cylinder Connection G3/4 Female (Nut)
MEDRO-5-XX	with Cylinder Connection 21.8mm (Nut)

XX: Gas type and Output Standard



MALE PROBES (JACK) WITH HOSE BARB OUTPUT



MALE PROBES

CODE	TYPE
MEDMP1-X	AFNOR NF S 90-116
MEDMP2-X	DIN13260-2
MEDMP3-X	BS5682

X: Gas type

DUPLEXER—MULTIPLEXER & TYPE EXCHANGER

"Y" DUPLEXER

CODE	TYPE
MEDYD1-X	with AFNOR NF S 90-116 Male Probe
MEDYD2-X	with DIN13260-2 Male Probe
MEDYD3-X	with BS5682 Male Probe

X: Gas type

MULTIPLEXER

CODE	TYPE
MEDMX-XX-Y	with AFNOR NF S 90-116 Male Probe

XX: Gas type and Output Standard
Y: Number of Output



ACCESSORIES (SPECIAL CONNECTIONS)

—— Note: The above products can be produced according to the different gas types with different input and outputs as a TYPE EXCHANGER ——

PRESSURIZED GAS AND VACUUM HOSES

Hoses with End Male Probes

CODE	TYPE
MEDH-O-X	White Hose with Male Probe—O2
MEDH-N-X	Blue Hose with Male Probe—N2O
MEDH-A-X	Black Hose with Male Probe—Air
MEDH-V-X	Yellow Hose with Male Probe—Vacuum
MEDH-C-X	Grey Hose with Male Probe—CO2

X: Standard of Male Probes



NIST INLET & OUTLET SETS

CODE	TYPE
MEDNST-O	Male Inlet and Female Outlet for O2
MEDNST-N	Male Inlet and Female Outlet for N2O
MEDNST-A	Male Inlet and Female Outlet for Air
MEDNST-V	Male Inlet and Female Outlet for Vacuum

MISCELANEOUS

WIRE BASKETS

CODE	TYPE
MEDBAS	with Rail/Wall Clamp



IV TROLLEYS

- * Height Adjustable
- * 2 or 4 Hooks for IV Bags
- * Mobile Base with 5-Casters
- * Stailess Steel / Chrome Plated Structure
- * Light Weight
- * Long Lasting Usage Life

Code: MEDTRV



CATHETER VASE

CODE	TYPE
MEDCHV	with Rail/Wall Clamp



MISCELANEOUS

EQUIPMENT/MONITOR TROLLEYS

- * Multipin Base for Monitor Fixing
- * Handle for Easy Control
- * Mobile Base with 5-Casters
- * Aluminum / Chrome Plated Structure
- * Light Weight
- * Long Lasting Usage Life
- * Equipment Basket

Code: MEDTRE



WALL MODULES

- * For 1, 2, 3, 4, 5 or 6 gases
- * Aluminum Box installed on the Wall Surface
- * S/s or Painted Cover for Embedded Montage
- * Electrical Sockets as optional
- * Vertical Pipe Entries for Gas Outlets
- * Tailor-Made Design for Special Requests

Code: MEDWM-XX



MONITOR HOLDERS

- * Universal Plate or VESA Connection for Monitor Fixing
- * Tiltable and Rotatable Mechanism for Base Plate
- * Channel for Vertical Level Adjustment
- * Aluminum Anodized Structure
- * Light Weight
- * Long Lasting Usage Life
- * Wall or Rail Mount type

Code: MEDMH





PORTABLE O2 GENERATORS

Our Portable PSA oxygen generation systems distribute a continuous oxygen flow to operate lifesaving equipment. Each portable oxygen generator can be operated to provide unlimited oxygen flow 24/7.

Models: MEDA10 and MEDA20

Capacity: 10 liter/min - 0.6 m³/h
or 20 Liter/min - 1,2 m³/h

Flow Rate: 1-10 Liter/min

Oxygen Purity: 93% +/-3

Outlet pressure: 4-6 Bar

Power Source: 12V/160Ah-24V/110Ah BATTERY

Dims: 105 x 60 x 27cm

Weight: 70Kg

Noise Level: 60dB

Inverter Power: 2KVA 24/220



ULTIMATE EMERGENCY CABINETS

Fixed cabinet accessible from the front opening the doors
Pressurized Gases (O₂/Air/N₂O) supplies composed of the cylinders equipped with the related pressure reducers with a respective capacity of 40/50 liters
Medical vacuum system composed of a pump of 25 or 40Nm³/h with bacterial filter and secretion jar
Medical Gas Alarm allows the visualization of logic status, pressure measurements

Code: MEDUEC-1



CYLINDERS



GAS CYLINDERS

Available Water Capacities:

5Lt, 10Lt, 13,5Lt, 20Lt, 26Lt, 40Lt, 50Lt, 80Lt

Min Order Qty: to fill a min of 20DC Container

Gas Medium: Oxygen - Air - N₂ - N₂O - CO₂ - H

Materials: 37Mn or 34CrMo4

Working Pressures: 150 Bar or 200 Bar

Test Pressures: 250 Bar or 300 Bar

Standards: ISO9809-3 or ISO9809-1

Inlet Threads: 25E - PZ27.8 - BS341-1

Output of Head Valves: G5/8 - G3/4 -

Head Caps: Common or Semi-Circle

Colors: White - Black - Grey - Blue

MOST COMMON OXYGEN CYLINDERS

Code	Water Capacity	Working Pressure	Oxygen Gas Capacity	
<i>MEDCT-5</i>	5Lt	150Bar	0,75	m ³
<i>MEDCT-10</i>	10Lt	150Bar	1,5	m ³
<i>MEDCT-13</i>	13,5Lt	150Bar	2	m ³
<i>MEDCT-20</i>	20Lt	150Bar	3	m ³
<i>MEDCT-26</i>	26Lt	150Bar	4	m ³
<i>MEDCT-40</i>	40Lt	150Bar	6	m ³
<i>MEDCT-40H</i>	40Lt	200Bar	8	m ³
<i>MEDCT-50L</i>	50Lt	150Bar	7,5	m ³
<i>MEDCT-50</i>	50Lt	200Bar	10	m ³





CONTACT US

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