

MEDICAL GAS SYSTEMS

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Üzümcü Reliable Solutions in Critical Areas.

Since 1969, Üzümcü has been a leading manufacturer of medical gas equipment, delivering innovative and reliable solutions worldwide.

Üzümcü offers a comprehensive range of modern medical gas network equipment, from medical gas plants to medical gas outlets, designed to meet the highest industry standards.

With a commitment to quality and customer satisfaction, Üzümcü provides solution-oriented products that have reached over 100 countries. All products and services comply with EN ISO 7396-1 and HTM 02-01 standards, ensuring safety and reliability.

As a testament to its dedication to the healthcare sector, Üzümcü's production facility holds ISO 9001, ISO 13485, and ISO 45001 certifications, reflecting its unwavering focus on quality, safety, and excellence.



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MEDICAL GAS STATIONS & CONTROL UNITS

Üzümcü provides end-to-end solutions for hospital medical gas systems, ensuring seamless integration and reliable performance.

Our comprehensive systems include air plants, vacuum plants, AGSS plants, oxygen generators, oxygen gas stations and manifolds, pipeline system, area control units, alarm systems, monitoring screens and the final terminal units. These components are expertly designed to serve critical areas such as Operating Theatres, ICUs, and patient rooms, delivering safety, efficiency, and compliance with international standards.

CENTRAL GAS STATIONS & MANIFOLDS

Üzümcü central gas stations are designed to supply continuous medical gas flow from the cylinders to the hospital's pipeline network.

Electronically controlled manifold system provides the option to maintain the required pressure level within the cylinders.

Each station controls the switch between both the primary and the backup cylinders racks without any interruption to the continuous flow.





AREA GAS CONTROL PANELS

Üzümcü Area Gas Control Unit is manufactured to provide isolation of individual floors of medical gases in the hospital.

Area Gas Control Unit includes all features required by the EN ISO 7396-1 and HTM 02-01 standards.

Isolation may be required for installation, maintenance or in case of an emergency.

VACUUM STATIONS

Üzümcü develops and manufactures fully automatic, stable and highly reliable vacuum stations which are used for delivering vacuum pressure for aspiration in the operating theatres, ICU and regular patient rooms.

PATIENT BED HEAD UNITS

Üzümcü bed head units combine medical gas outlets, nurse call systems, and power sockets in one compact, easy-to-use panel. They're designed to meet the EN 11197 standard for safety and reliability, with a focus on simple installation and long-lasting performance.

Every unit is custom-made to fit your hospital's needs-whether it's for patient rooms or ICUs.



Material	: Extruded aluminum with electrostatic paint	Standard Accessories	
Color	: RAL colors are available	Electrical socket	: 3 pcs 220 V
Power Input	: 220V 50 Hz	Reading lamp	: 2 pcs
		Power button	· 1 nc

Optional Accessories:

Medical gas outlets (BS/DIN/NF), telephone outlet, UPS outlet, data outlet (RJ45) and Nurse Call System outlet



- Provides comfort for patients and healthcare personnel with its durable and functional design.
- It offers maximum efficiency in the hospital environment.

Description	Length	Model	Article Code
Single bed	1500 - 1800 mm	1000.10	66.1392
Double bed	3000 - 3600 mm	1000.20	66.1490





207 mm

- Ergonomic and stylish design.
- Its compact structure is optimized to take up minimal space.

Description	Length	Model	Article Code
Single bed	1500 - 1800 mm	1000.50	66.1001
Double bed	3000 - 3600 mm	1000.60	66.1002



66.1011





ICU TYPE PATIENT BED HEAD UNIT WITH DOUBLE CHANNEL AND DOUBLE RAIL

accessory rail is aluminum : Eloxal : 220V 50 Hz		
Length	Model	Article Code
1500 - 1800 mm	1040.10	66.1010
3000 - 3600 mm	1040.20	66.1011
	accessory rail is alumi : Eloxal : 220V 50 Hz Length 1500 - 1800 mm 3000 - 3600 mm	accessory rail is aluminum : Eloxal : 220V 50 Hz Length Model 1500 - 1800 mm 1040.10 3000 - 3600 mm 1040.20

: Extruded aluminum with electrostatic paint and

Ceiling Type	Length	Model	Article Code
Single bed	1500 - 1800 mm	1045.10	66.1013
Double bed	3000 - 3600 mm	1045.20	66.1014

STANDARD ACCESSORIES

Electrical socket	: 12 pcs EUR / UK / USA
Grounding	: 8 pcs
Accessory rail	: 2 pcs (25x10 mm)

OPTIONAL ACCESSORIES:

Medical gas outlets (BS/DIN/NF), telephone outlet, UPS outlet, data outlet (RJ45), Nurse Call System outlet, monitor stand, IV pole and examination lamp

Material

MODULAR PATIENT BED HEAD UNITS

Üzümcü modular bed head units are new generation products, which can offer colorful and multifunctional modular parts, to have easily customized solutions. Durable aluminium main frame supports all parts firmly and ABS cover offers several color options (white, yellow, light grey and anthracite) There are 5 different modules and they can be lined up to have customised solution.

Modules:

- 1. Side Cover (75 mm)
- 2. Medical Gas Outlet Module (150 mm)
- 3. LED Light Module (350 mm)
- 4. Multiple Electrical Outlet Module (350 mm)
- 5. Single Electrical Outlet Module (150 mm)



Description	Length	Model	Article Code
Single bed	1500 - 1800 mm	1065.10	66.1033
Double bed	3000 - 3600 mm	1065.11	66.1624



Modular Bed Head Units

1 Side Hatch, 75 mm	 4 Electrical Power Module, (3/4/5 Sockets) 350 mm
2 Med.Gas Outlet Module, (Single Port) 150 mm	5 Electrical Power Module, (Single Sockets) 150 mm
3 Led Lighting Module, 350 mm	

PENDANTS

Medical pendants stand out as indispensable equipment in modern hospital and operating room environments. These devices, mounted on the ceiling, provide healthcare personnel with easy access to the medical gases, electricity, and other medical equipment they need. Used in critical areas such as operating rooms, intensive care units, and emergency rooms, pendants eliminate cable and hose clutter, organizing the workspace and providing a hygienic environment. This allows healthcare personnel to intervene more quickly and effectively for the patient.

The flexibility and ergonomics offered by medical pendants play an important role in increasing the efficiency of healthcare personnel. The device's movable arms allow the equipment to be easily adjusted to the desired position, creating an ideal working environment for different surgical procedures or patient care scenarios. Additionally, additional features such as integrated lighting systems and monitor carriers optimize the workflow of healthcare personnel and maximize patient safety. Medical pendants are an indispensable part of healthcare institutions as a reliable and functional solution that meets the requirements of modern medicine.



BRIDGE TYPE

Üzümcü Bridge Type ICU pendants are advanced ceiling-mounted medical gas and equipment management systems designed to maximize patient care in intensive care units. Their horizontal bridge design allows for easy access to both sides of the patient bed, enhancing healthcare personnel's mobility and enabling rapid intervention. Integrated medical gas outlets, electrical outlets, data ports, and other medical equipment eliminate cable clutter, organize the workspace, and ensure a hygienic environment. With ergonomic design, adjustable arms, and heights, they increase the comfort and efficiency of healthcare personnel while maximizing patient safety. Bridge Type ICU pendants are an indispensable part of modern intensive care units, playing a critical role in enhancing the quality of patient care.

Model: 5070.40



Standard Accessories

Electrical socket Equipment shelf IV pole Shelf with Drawer : 6 pcs EUR/UK/USA : 1 pc : 1 pc : 1 pc : 1 pc

Optional Accessories:

Medical gas outlets (BS/DIN/NF), data outlet (RJ45), manometer for medical gases.



Technical Specifications Material

: Main frame: Aluminum

Movements

Loading capacity Power Input Dimensions

- : Shelves: 1 mm steel
- : Shelves move horizontally in the rail and rotate manually
- : 50 kg
 - : 220V AC 50 Hz
 - : (WxLxH) 350x2200x1300 mm



Material Movements	: Main frame: aluminum; shelf and extension arm: steel : Motorised vertical movement; manual horizontal and rotation movements
Loading capacity	: 80 kg
Total weight	: 194 kgs
Power Input	: 220V AC - 50 Hz
Standard Accessories	s
Power Outlet	: 8 pcs UK / USA / EU
Grounding	: 6 pcs
Shelf with Drawer	: 1 pc
IV Pole	: 2 pcs



ARTICLE CODE	66.1022	66.1024
MODEL	5070.50	5070.60
Joint	Rigid	Single Arm
Motorise	Х	Х
Shelf with Drawer	1	1
Payload Capacity	250 kg	220 kg
Power Outlet	8	8
Grounding Note	6	6
IV Pole	2	2





ARTICLE CODE	66.1025	66.1586
MODEL	5070.75	5070.81
Joint	Double Arm	Double Arm and Motorized
Motorise	X	\checkmark
Shelf with Drawer	1	1
Payload Capacity	110 kg	80 kg
Power Outlet	8	8
Grounding Note	6	6
IV Pole	2	2

PENDANT AND RAIL TYPE ACCESSORIES



Infusion Pump Pole, Double, Rail Type

Description	Article Code
Double	66.1175



Basket, Stainless Steel, Rail Type

Description	Article Code		
220x220x240 mm	55.1145		
220x400x240 mm	55.1146		



Drawer, Rail Type

Description	Article Code		
540x360 mm	66.1499		



IV Pole

Description	Article Code		
With Clamp	66.1174		



Monitor Tray

Description	Article Code		
Rail Type	66.1494		
Wall Type	66.1332		



Shelf for Pendants

Description	Article Code
530x530 mm	55.1147
430x430 mm	55.1148





Infusion Pump Pole with Connector

Description	Article Code		
Connector Inclusive	66.1316		



Monitor Tray, Wall Type

Description	Article Code		
Rail Type (LED)	22.1015		



Shelf with Drawer for Pendants

Description	Article Code			
530x530 mm Shelf	66.1315			
430x430 mm Shelf 66.1314				
Drawer Dimensions 370x450x110 mm				

Rail					
Description	Article Code				
50 cm	44.1188				
100 cm	44.1175				
150 cm	44.1189				
200 cm	44.1190				

MEDICAL GAS OUTLETS

Üzümcü medical gas outlets are manufactured according to BS standards and feature special connections for O₂, N₂O, AIR 4, and AIR 7 gases. Each outlet is clearly labeled for easy identification, with secure hose connections to ensure safety. Made of chrome-plated brass, these outlets are designed for durability and long-lasting performance, making them ideal for healthcare facilities.

- Manufactured according to BS standard
- Special connections for O₂, VAC, N₂O, AIR 4 and AIR 7
- Labeling for each gas type
- Safe hose connection
- Made of chrome plated brass material



BS Medical Gas Outlets

Outlet Dia	: 45 mm
Copper Pipe Dia	: 10 mm
Production Standard	: BS 5682/EN ISO 9170-1

Our medical gas outlets are manufactured according to BS standards and feature special connections for O₂, N₂O, AIR 4, and AIR 7 gases. Each outlet is clearly labeled for easy identification, with secure hose connections to ensure safety. Made of chrome-plated brass, these outlets are designed for durability and long-lasting performance, making them ideal for healthcare facilities.

	Alternet A	Arease of the second se				
	02	VAC	N ₂ O	Air 4	Air 7	O ₂ / N ₂ - Mix
BS 90°	66.1359	66.1365	66.1364	66.1362	66.1363	66.1563
BS 45°	67.1413	67.1414	67.1415	67.1417	67.1418	66.1966
Model	1001.50	1002.50	1003.50	1004.50	1005.50	1001.05

DIN Medical Gas Outlets

Outlet Dia: 45 mmCopper Pipe Dia: 10 mmProduction Standard: DIN 13260-2/EN 9170-1

	the reference of the re	August har Argenting Argen	Topped and the second s			
	02	VAC	N ₂ 0	Air 4	Air 7	CO2
DIN 90°	66.1543	66.1546	66.1551	66.1556	66.1560	66.1554
DIN 45°	67.1425	67.1426	67.1427	67.1529	67.1430	67.1428
Model	1001.51	1002.51	1003.51	1004.51	1005.51	1008.51

AFNOR Medical Gas Outlets

Outlet Dia	: 40 mm
Copper Pipe Dia	: 10 mm
Production Standard	: NF S 90-116

	Or Warm Character					
	02	VAC	N ₂ 0	Air 4	Air 7	CO ₂
AFNOR 90°	66.1544	66.1548	66.1552	66.1557	66.1561	66.1940
AFNOR 45°	67.1431	67.1432	67.1433	67.1435	67.1436	66.1941
Model	1001.52	1002.52	1003.52	1004.52	1005.52	1008.52



MEDICAL OUTLET BOXES

Safe, uninterrupted and efficient medical gas flow is vital in healthcare facilities. Used in critical areas such as operating rooms, intensive care units, emergency services and patient rooms, our outlet box solutions provide maximum safety and durability in the gas distribution systems of hospitals. These systems, which ensure uninterrupted delivery of medical gases at the right pressure, facilitate the workflow of healthcare professionals and provide a safe environment for patients.

- Made of 304 quality S/S material
- Suitable to install on plaster / under plaster
- Several length and outlet standard alternatives



ON PL	ON PLASTER		UNDER PLASTER		
Model	Article Code	Model	Article Code	Length	Outlet Qty
1009.01U	66.1598	1009.01	66.1036	160 mm	1
1009.02U	66.1599	1009.02	66.1037	310 mm	2
1009.03U	66.1600	1009.03	66.1038	460 mm	3
1009.04U	66.1601	1009.04	66.1039	610 mm	4
1009.05U	66.1602	1009.05	66.1040	760 mm	5
1009.06U	66.1603	1009.06	66.1041	910 mm	6
1009.07U	66.1604	1009.07	66.1042	1110 mm	7
1009.08U	66.1605	1009.08	66.1045	145 mm	Single AGSS

• Without outlets.

MEDICAL OUTLET BOXES

BS/DIN

- Designed to be used as a single medical gas outlet for on plaster applications
- Completely made of durable plastic material
- Compatible with BS or DIN standards
- Base part, main body, frame and cover can be ordered seperately

No	Description	Dimensions (WxLxH) mm	Article Code
1	Base part	82x82x22	67.1194
2	Main body	86x86x50	67.1198
3	Cover BS	86x86x12	67.1196
4	Cover DIN	86x86x12	67.1197
5	Frame	106x106x12	67.1195



Configuration for on plaster: 1+2+(3 or 4) Configuration for under plaster: 1+2+5+(3 or 4)



AFNOR

- Specially designed for single on plaster applications of AFNOR standard outlets
- Main body is made of durable plastic and cover is made of metal
- Base part and cover can be ordered seperately

No	Description	Dimensions (WxLxH)	Article Code
A	Main frame	65x65x25 mm	67.1199
B	Cover	65x65x25 mm	67.1200



MEDICAL OUTLET BOXES

- Made of durable plastic material
- Suitable for under plaster installation
- Several length and outlet standard alternatives

Article Code	Length	Outlet Qty	Plaster
55.1443	100 mm	1	Under
55.1444	250 mm	2	Under
55.1441	400 mm	3	Under
55.1442	100 mm	1	On



AGSS OUTLET, VENTURI TYPE

Üzümcü AGSS terminal units are designed according to safety and performance requirements of EN ISO 9170-2 standard

- Manufactured according to DIN standard
- Can be used as under plaster, on plaster or pendant outlet
- Special port to enable safe connection
- Made of Chrome plated brass material.
- Special probe is made of chrome plated brass material



AGSS OUTLET

- Manufactured according to BS standard
- Special port to enable safe connection
- Outlet is made of brass
- Special probe is made of chrome plated brass
 material



AIR MOTOR

This terminal unit integrates a medical tool drive outlet with a gas scavenging terminal unit.





Air Motor Outlet 55.1445



Air Motor Probe 55.1446

NIST PROBE

- Stainless steel NIST Probe with "O-Ring"
- Gas specific engraving on NIST
- Probe and Nut
- Gas specific Indexing
- MRI compatible

Hose Type	Article Code	
02	66.1472	
N ₂ O	66.1473	
AIR 4	66.1475	
AIR 7	66.1476	
VAC	66.1478	
CO2	66.1479	
AGSS	66.1480	
Pressure Gas	66.1481	
AGSS	66.1482	

• Universal NIST for blanking pressure gases





HOSE ASSEMBLY

Üzümcü offers a complete range of Medical Gas Hoses that are fully compatible according to current ISO 5359 for the manufacture of medical gas hose assemblies.

Hose Assembly - 3m

Hose Type	BS	DIN	AFNOR
02	66.1401	66.1413	66.1423
N ₂ O	66.1402	66.1414	66.1424
AIR 4	66.1404	66.1415	66.1425
AIR 7	66.1405	66.1416	66.1426
VAC	66.1406	66.1417	66.1427

Hose Assembly - 5m

Hose Type	BS	DIN	AFNOR
02	66.1407	66.1418	66.1428
N ₂ O	66.1408	66.1499	66.1429
AIR 4	66.1410	66.1420	66.1430
AIR 7	66.1411	66.1421	66.1431
VAC	66.1412	66.1422	66.1432



MEDICAL GAS HOSES

- Special hoses for medical gases
- Made of thermoplastic and rubber material
- Color coding according to EN 739 standard
- Suitable up to 20 bar pressure
- Inner dia: 6,7 mm Outer dia: 12 mm

Hose Type	Article Code
0 ₂ , 100 cm	66.1471
N ₂ 0, 100 cm	66.1474
AIR, 100 cm	66.1477
VAC, 100 cm	66.1483



PROBES

Üzümcü probes are produced according to international standards by using a special labelling for gases. They are used to supply necessary gases from terminal units to the patient or medical equipments via hose connections or by direct connection to the equipment.

Üzümcü Probes are manufactured in compliance with BS 5682:1992, DIN 13260, AFNOR S 90-116.

Probes for Medical Gas Outlets

- Manufactured according to BS, DIN, AFNOR standard
- Special connections for O₂, VAC, N2O, AIR 4 and AIR 7
- Labeling for each gas type
- Safe hose connection
- Made of chrome plated brass material



ltem	Model	Article Code
02	1601.05	66.1153
Vac	1602.05	66.1156
N ₂ O	1603.05	66.1159
AIR 4	1604.05	66.1162
AIR 7	1605.05	66.1165



ltem	Model	Article Code
02	1601.10	66.1154
Vac	1602.10	66.1157
N ₂ O	1603.10	66.1160
AIR 4	1604.10	66.1163
AIR 7	1605.10	66.1166

Probes, AFNOR Standard

ltem	Model	Article Code
02	1601.15	66.1155
Vac	1602.15	66.1158
N ₂ O	1603.15	66.1161
AIR 4	1604.15	66.1164
AIR 7	1605.15	66.1167





RESPIRATION EQUIPMENTS



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FLOWMETERS

Üzümcü offers different models of flowmeters according to their gas flow scale, connection types and humidity jars that can be used with oxygen. Flowmeters can be either connected to medical gas outlets directly or attached on rail system and connected to the outlets by flexible hoses.

Size (LxWxH)	: 80 x 48 x 145 mm
Inlet	: Whitworth GAS 1/8"
Pressure	: 4.2 Kgs/cm² – 60 psi – 414 kPa
Flow Rate	: 0 - 15 L/min

- Designed to adjust and control the oxygen flow
- High resisting polycarbonate inner and outer tubes
- Sensitive measurement by needle valve
- 0 15 lpm standard scaling markings



Туре		Without Adaptor	BS	DIN	AFNOR
Overeen	Model	1200.00E	1200.05	1200.10	1200.15
Oxygen	Article Code	66.1524	66.1145	66.1146	66.1147
Ain	Model	1200.30	1200.05U	1200.10U	1200.15U
AII	Article Code	66.1521	66.1575	66.1576	66.1577

FLOWMETER HUMIDIFIER BOTTLE

- Designed to humidify oxygen before patient's respiration
- Made of polycarbonate and chrome-plated brass and scaled
- Sterilizable up to 121 °C For 15 min
- 150, 250 ml capacity options
- Connection to Flowmeter : Moving pipe union
- Lid material : Plastic
- Integrated relief valve

	150 ML	250 ML
Model	1270.00	1270.00
Article Code	66.1148	66.1150



- 150 ML
- Designed to humidify oxygen before patient's respiration
- Made of polycarbonate and scaled
- Sterilizable up to 121 °C For 15 min
- 150, 300 ml capacity options
- Connection to Flowmeter : Moving pipe union
- Lid material : Plastic
- Integrated relief valve

	150 ML	300 ML
Model	1274.00	1274.00
Article Code	66.1628	66.1629

VENTURY VACUUM REGULATORS

Venturi vacuum regulators are devices that create vacuum using compressed air or oxygen sources. In systems where there is no vacuum line, they provide the required vacuum by converting positive pressure gas to negative pressure with the venturi principle. These devices offer a reliable vacuum source in the absence of a vacuum line, especially in medical environments such as hospitals and laboratories.

- Chrome plated brass trunk
- Easy to read vacuum gauge
- Flow adjustment knob
- Designed to provide vacuum by using compressed air or oxygen source
- Max Suction Flow: 25L/min at-775 mbar
- Gas Consumption at max Scution : 60L/min



		BS		AFNOR
Article Code	Medical Air	66.1170	66.1171	66.1172
	Oxygen	66.1173	66.1176	66.1177
Model	Medical Air	1422 05	1422 10	1422 15
	Oxygen	1.22.00	1.22.10	

VACUUM REGULATOR

- The regulator is made of a strong techno-polymer body, with a quick I/O switch-button, a suction adjustment knob and a control vacuum gauge with three possible end-of-scale choices: -250 mbar and -1000 mbar.
- De-pressure Safety valve inclueded
- Autoclavable safety jar to avoid fluid leakage into central vacuum line

Vacuum gauge I/O switch : 0 + -1000 mbar : Quick push switch button

		BS		
Vacuum 1000 mbar	Model	1420.20B	1420.20D	1420.20N
	Article Code	67.1334	67.1335	67.1336
Vacuum 250 mbar	Model	1402.05R	1402.10R	1402.15R
	Article Code	66.1589	66.1590	66.1591



Technicial specifications	Pediatric (-250 mbar)	Adult (-1000 mbar)	
Weight	460 gr		
Max. Suction flow	50 L/min.± 5 L/min. - 250 mbar'da	115 L/min.± 5 L/min. - 950 mbar'da	
Max. Negative pressure effective value	- 250 ± 20 mbar	- 1000 ± 20 mbar	
Vacuum Manometer	0 / - 400 mbar 0 / - 315 mmHg	0 / - 1000 mbar 0 / - 760 mmHg	
Max. Supply Depression	- 950 mbar		
Standard Vacuum Supply Connection	ISO G 1/4"		
Outlet Connection	ISO G 1/2"		
I/O Switch	Quick Push Button Type		

OXYGEN THERAPY DEVICE

Üzümcü Oxygen Therapy Device is appropriate to use in hospitals, emergency services and homecare units. This device is designed to adjust and control the oxygen flow.

Oxygen therapy devices are medical devices designed to provide controlled and safe oxygen support to patients with respiratory failure. They are used in hospitals, home care services and emergency interventions to help meet patients' oxygen needs in the most efficient way.

- Chrome plated brass trunk
- High resistant polycarbonate humidifier bottle suitable for sterilization

Maximum gas supply pressure	: 196 bar
Regulator Outlet Pressure	: 3.5 - 4 bar
Adjustable Flow	: 0 - 15 L/min
Pressure Gauge Range	: 0 - 315 bar
Sterilization Method	: 121 °C (Autoclavable)

	DIN	BS	AFNOR
Model	OTC 50	OTC 51	OTC 52
Article Code	66.1289	66.1288	66.1532



THORACIC SUCTION CONTROL UNIT

The thoracic aspiration control unit is a critical device used in medical applications requiring chest drainage and lung aspiration. Thanks to negative pressure controlled systems, it helps to evacuate unwanted fluid and air accumulation in the lungs while ensuring patient safety.

- Designed to use for closed drainage purpose after
- Thoracic Surgery or Cardiac Surgery.
- Negative pressure: O 20 cmH2O (water line) for persistent low pressure suction
- Polycarbonate, scaled and sterilizable bottle
- Transparent tube for easy observation on liquid
- Integrated safety trap to prevent back flow of waste fluid

	BS	DIN	AFNOR
Model	1520.00B	1520.00D	1520.00N
Article Code	66.1538	66.1539	66.1540



OXYGEN THERAPY DEVICE

Üzümcü Oxygen Therapy Device is appropriate to use in hospitals, emergency services and homecare units. This device is designed to adjust and control the oxygen flow.

- Chrome plated brass trunk
- High resistant polycarbonate humidifier bottle suitable for sterilization
- Maximum gas supply pressure
- Regulator Outlet Pressure
- Adjustable Flow
- Inlet Pressure Gauge Range

	BULL NOSE	DIN	PIN INDEX
Model	FM21.96	FM21.97	FM21.98

: 200 bar

: 3.5 - 4 bar

: 0 - 15 L/min

: 0 - 315 bar





PRESSURE REGULATORS

- Double Stage
- Chrome-plated, steel diaphragm

Inlet pressure Outlet Connection Adjustable Pressure : O - 230 bar : R 3/8" : O-10 bar & Argon 1,5 bar

Single Article Code	Double Article Code	Gas type	Gas flow	Inlet Connetion
66.1980	66.1990	Oxygen	30 m³/h	R 3/8"
66.1981	66.1991	Nitrogen	30 m³/h	R 5/8" Inner
66.1982	66.1992	Argon	30 m³/h	R 5/8" Inner
66.1983	66.1993	CO2	11 m³/h	W21, 80X1/14
66.1984	66.1994	Helium	70 m³/h	R 5/8" Inner
66.1985	66.1995	Hydrogen	90 m³/h	W21, 80X1/14 Left
66.1986	66.1996	Dyr Air	30 m³/h	R 3/8"
66.1987	66.1997	N20	30 m³/h	R 3/8"



OXYGEN THERAPY DEVICE CALIBRATED

- Max. gas supply pressure : 2
- Regulator Outlet Pressure
- Adjustable Flow
- Pressure Gauge Range
- Pressure reducer assy
- Flow setting data
- Side gas outlet connection

:	200 bar
:	3.5 - 4 bar

- : 0 15 L/min
- : 0 315 bar
- : Double stage with shutter system
- : 1013 mbar 23 °C





COPPER TUBES

Medical copper pipes are fundamental components of medical gas systems in hospitals and clinics. Manufactured from high-purity copper, these pipes ensure the safe and efficient transport of vital medical gases such as oxygen, nitrogen, medical air, and vacuum. Copper's antimicrobial properties help maintain a hygienic environment by inhibiting bacterial growth. Additionally, their excellent corrosion resistance provides long-lasting and reliable performance.

Medical copper tubes are degreased and marked according to EN 13348 System in accordance with the requirement of the medical gas system. Straight copper tube is available in 4m lengths and are individually red capped.





Model	Article Code	Diameter Thicknesss		Working Pressure
1066.10	66.1180	10 mm	0,6 mm	84 bar
1006.10	66.1181	10 mm	1,0 mm	84 bar
1066.12	66.1182	12 mm	0,6 mm	77 bar
1006.12	66.1184	12 mm	1,0 mm	77 bar
1076.15	66.1185	15 mm	0,7 mm	63 bar
1006.15	66.1188	15 mm	1,0 mm	63 bar
1006.22	66.1189	22 mm	1,0 mm	58 bar
1006.28	66.1193	28 mm	1,0 mm	51 bar
1156.28	66.1194	28 mm	1,5 mm	51 bar
1006.35	66.1196	35 mm	1,0 mm	40 bar
1156.35	66.1197	35 mm	1,5 mm	40 bar
1006.42	66.1198	42 mm	1,0 mm	42 bar
1156.42	66.1199	42 mm	1,5 mm	42 bar
1156.54	66.1200	54 mm	1,5 mm	27 bar
1206.54	66.1201	54 mm	2,0 mm	27 bar
1156.76	66.1202	76 mm	1,5 mm	29 bar
1206.76	66.1203	76 mm	2,0 mm	29 bar

FITTINGS & ACCESSORIES

- Üzümcü end feed fittings, manufactured according to BS EN 1254-1; 1998 are seamless, monoblock fittings, which makes them stronger and easier to use.
- Biostatic composition of the copper material inhibits bacterial growth on its surface
- End connections: Copper x Copper
- Lightweight, strong and corrosion resistant
- Unaffected by sunlight, has no special storage
- requirements and does not produce toxic fumes in a fire.
 All fittings supplied contain less than 100mg/m2
- (0.01mg cm2) of hydrocarbons on the degreased surface.



					-			
	Elbov	w 90	Equal T		Coupling		Reducer	
Diameter	Model	Article Code	Model	Article Code	Model	Article Code	Model / Diameter	Article Code
10 mm	1506.10	66.1214	1506.20	66.1223	1506.30	66.1205	1506.40 / 12x10 mm	66.1232
12 mm	1506.11	66.1215	1506.21	66.1224	1506.31	66.1206	1506.41 / 15x12 mm	66.1234
15 mm	1506.12	66.1216	1506.22	66.1225	1506.32	66.1207	1506.42 / 22X12 mm	66.1233
22 mm	1506.13	66.1217	1506.23	66.1226	1506.33	66.1208	1406.43 / 15x22 mm	66.1235
28 mm	1506.14	66.1218	1506.24	66.1227	1506.34	66.1209	1406.44 / 15x28 mm	66.1236
35 mm	1506.15	66.1219	1506.25	66.1228	1506.35	66.1210	1406.45 / 22x28 mm	66.1237
42 mm	1506.16	66.1220	1506.26	66.1229	1506.36	66.1211	1406.46 / 22x35 mm	66.1238
54 mm	1506.17	66.1221	1506.27	66.1230	1506.37	66.1212	1506.51 / 54x22 mm	66.1243
76 mm	1506.18	66.1222	1506.28	66.1231	1506.38	66.1213	1506.52 / 54x28 mm	66.1244
						•	1506 50 / 54v25 mm	66 1040

1506.51 / 54x22 mm	66.1243
1506.52 / 54x28 mm	66.1244
1506.50 / 54x35 mm	66.1242
1506.53 / 76x54 mm	66.1245
1506.47 / 35x28 mm	66.1239
1506.48 / 35x42 mm	66.1240
1506.49 / 54x42 mm	66.1241

COPPER PIPE LABEL

- The labels are designed to withstand long-term use.
- The text on the labels is large, clear, and legible, allowing healthcare workers and maintenance teams to quickly read the information.
- Color codes are used according to the types of medical gases.

130

Jacuum

DEV

Vacuum

Nacuum

• The labels are designed to easily adhere to the pipes without the need for additional materials.

Oxygen

Oxygen unnoeA

JiA Yacunu

Air

unnoe?

Lacuum

0

Vac

Model	Article Code	Description
2004.01	66.1246	Oxygen 250 pcs
2004.02	66.1247	Vacuum 250 pcs
2004.03	66.1248	Air 250 pcs
2004.04	66.1249	Nitrogen 250 pcs
2004.05	66.1250	Agss 250 pcs
COPPER PIPE CLIPS

Secure Holding: Firmly stabilizes pipes to prevent movement and ensure system integrity.

Durable: Resistant to corrosion, heat, and wear for long-term reliability.

Easy Installation: Quick and efficient installation with simple fastening methods.

Variety of Sizes: Available in different sizes to fit various pipe diameters.

Enhanced Safety: Reduces the risk of leaks and disconnections.

Compatible: Works seamlessly with copper pipes in medical gas systems.

• Üzümcü designed clips used as copper tube supports on ceilings and walls.

• Can be mounted directly on the wall or mounted by rail.

- Single and jointed usage
- Color coded clips copmatible with gas standard
- Halogen free, non-flammable material





Model	Article Code	Description
1606.40	66.1793	Hook Rail
1606.41	66.1794	Stoper
1606.42	66.1795	Distance

	Blue		White		Gray		Yellow	
Description	Model	Article Code	Model	Article Code	Model	Article Code	Model	Article Code
Hook 10 - 12 mm	1606.00	66.1765	1606.10	66.1772	1606.20	66.1779	1606.30	66.1786
Hook 15 mm	1606.01	66.1766	1606.11	66.1773	1606.21	66.1780	1606.31	66.1787
Hook 22 mm	1606.02	66.1767	1606.12	66.1774	1606.22	66.1781	1606.32	66.1788
Hook 28 mm	1606.03	66.1768	1606.13	66.1775	1606.23	66.1782	1606.33	66.1789
Hook 35 mm	1606.04	66.1769	1606.14	66.1776	1606.24	66.1783	1606.34	66.1790
Hook 42 mm	1606.05	66.1770	1606.15	66.1777	1606.25	66.1784	1606.35	66.1791
Hook 54 mm	1606.06	66.1771	1606.16	66.1778	1606.26	66.1785	1606.36	66.1792

SUCTION ACCESSORIES



CANISTERS

Article Code	Description
33.1092	Canister, 1 L
33.1089	Canister, 2 L
33.1088	Canister, 3 L





SUCTION LINER

Suction liners are single-use, hygienic, and safe products used in liquid aspiration procedures in hospitals and clinics. These bags provide secure collection of fluids (blood, mucus, urine, etc.) from patients in critical areas such as surgical operations, intensive care units, and emergency services. Their leak-proof and durable construction minimizes the risk of fluid leakage, reducing infection risks and streamlining healthcare personnel's workflow. Available in various capacities and features, suction liners offer solutions tailored to diverse medical needs.

- No contact with patient.
- Liner and lid are made of durable plastic.
- Liners are flexible
- In bags, optionally, disinfectant, foam inhibitor and Solidifying agents are available.
- Suitable for high vacuum applications
- New generation easy to use & hygienic system
- Antibacterial & hydrophobic self-sealing filter for extra safety
- Easy connection to central vacuum system

Article Code	Description
33.1091	Suction Liner, 1 L
33.1087	Suction Liner, 2 L
33.1086	Suction Liner, 3 L
33.1098	Suction Liner With Antifoam, 1 L
33.1099	Suction Liner With Antifoam, 2 L
33.1100	Suction Liner With Antifoam, 3 L
33.1097	Suction Liner With Solidifying Agents, 1 L
33.1074	Suction Liner With Solidifying Agents, 2 L
33.1069	Suction Liner With Solidifying Agents, 3 L

The canisters are made in three sizes, to be used according to the effective requirements about the volumes expected to be suctioned, and they are manufactured in three different versions: suction liner, antifoam, solidifying agents.

Suction liner with solidifying allow us to avoid from liquid decontamination. Suction liner with antifoam finish all foam on liqud and that take advantage to use liner more efficency.

CENTRAL VACUUM SYSTEM

- Integrated vacuum regulator
- Liner and lid are made of durable plastic
- Trolley with 4 pcs vacuum jar capacity
- Polycarbonate, transparent vacuum jars with silicone hoses
- Sterilizable jars at 121°

Model	Description
AT20.75	4 port
AT20.75P	1 port



AT20.75P

SURGICAL SUCTION JAR

- Made of transparent polycarbonate material
- Sterilizable jars at 121°C
- Adapter for wall connection
- Integrated hydrophobic filter

Model	Article Code	Capacity
90420	90.1336	2 L
90430	90.1137	3 L
90450	34.1269	5 L







SUCTION ACCESSORIES



Rail Attachment

Description	Article Code
For 25 x 5 mm Rail	44.1163



Wall Attachment

Description	Article Code
Wall Attachment	44.1168



Article Code

44.1170

Suction Cannula, Plastic

Description

Non-Sterile

Vacuum Control Connector

Article Code

Description

Control Connector	44.1169

Kapkon Connector

Description	Article Code
Kapkon Connector	44.1171



Silicone / PVC Tube

Description	Article Code
8 x 14 mm (silicone)	44.1186
6 x 11 mm (silicone)	44.1187
8 x 12 mm (PVC)	44.1164
10 x 14 mm (PVC)	44.1165

Tube Connector

Description	Article Code
Non-Sterile	44.1174



Suction Liner Manometer Probe

Description	Article Code
Manometer	44.1172
Without Manometer	44.1173



Yankauer Tipped Hose

Description	Article Code
1,8 Meter Hose	44.1166
Suction Cannula tip	44.1167



MEDICAL GAS PLANTS



Medical gas plants are critical systems designed to ensure the safe and uninterrupted supply of vital medical gases (oxygen, nitrogen, medical air, vacuum, etc.) to hospitals and healthcare facilities. These plants produce, store, and distribute high-purity gases throughout the hospital's distribution systems, guaranteeing the continuity and safety of patient care. Centrally located, these facilities maintain an uninterrupted gas flow, even during emergencies, ensuring the highest level of patient safety.

CENTRAL GAS STATIONS

Üzümcü Automatic Changeover Manifold is designed to provide a continuous supply of Oxygen, Nitrous Oxide, Entonox, Medical Air, Carbon Dioxide and Nitrogen in healthcare facilities. The manifold consists of two banks of cylinders located on each side of the pressure control assembly. These pressured gases are used in Operation Theatres, Intensive Care Units, Neonatal Care Units, Emergency Rooms and Patient Rooms.

Each station controls one primary and one back up cylinder racks. The two stage regulation system, utilizing separate regulating units for each stage of pressure regulation, offers higher flow rates and smoother flow rate curve.

Station switches to the back up system automatically whenever the primary rack endures a pressure drop. Station is equipped with non-return valves in order to prevent discharge of the gas in the cylinders during the replacement or in case of leakage from the pipeline.

All pressure data and failure alarms are controlled by the digital control panel.

- Designed to provide continuous gas supply to the hospital
- System enables to change cylinders without any interruption on gas supply
- Alternative capacities for different gas types and hospital consumption volume





Oxygen Station	Model	MOS-4M	MOS-6	MOS-10	MOS-11	MOS-16	MOS-20	MOS-30	MOS-40	MTO-2
	Article Code	66.1078	66.1064	66.1065	66.1338	66.1066	66.1067	66.1068	66.1069	66.1062
Nitrousoxide Station	Model	MAS-4M	MAS-6	MAS-10	MAS-11	MAS-16	MAS-20	MAS-30	MAS-40	MTA-2
	Article Code	66.1081	66.1071	66.1072	66.1073	66.1341	66.1074	66.1342	66.1075	66.1578
Pressure Reducer '	150 m³/h	-	-	-	1 рс	-				
Pressure Reducer 4	40 m³/h	1 рс	1 рс	1 рс	-	-	-	-	-	1 рс
Cylinder Qty		2x2 pcs	2x3 pcs	2x5 pcs	2x5 pcs	2x8 pcs	4x5 pcs	6x5 pcs	8x5 pcs	2 pcs
Bed Qty (for O ₂ stat	ion)	30	30	50	30-50	40-70	70-100	100-150	150-200	5-10

EMERGENCY RESERVE MANIFOLDS

Oxygen Station	Article Code	66.1091	66.1092
Nitrousoxide Station	Article Code	66.1089	66.1560
High Pressure Reducer 40	⊃m3/h	1 pc	1 рс
Cylinder Fixing Chain,	2 pc	4 рс	
Flexible Connection Pipe	2 pc	4 рс	
Discharge Valve	1 pcs	1 pcs	
Cylinder Quantity on Statio	2 pc	4 pcs	
Bed Quantity	5-10	8-12	
Total Station Weight(~)	15 kg	18 kg	



MANIFOLD SYSTEM WITH DOUBLE REGULATOR

Üzümcü Automatic Changeover Manifold is designed to provide a continuous supply of Oxygen, Nitrous Oxide, Carbon Dioxide in healthcare facilities. The manifold consists of two banks of cylinders located on each side of the pressure control assembly. These pressured gases are used in Operation Theatres, Intensive Care Units, Neonatal Care Units, Emergency Rooms and Patient Rooms.

Features

- Special black ABS cover serves as a protection against
- Designed to ensure continuous and accurate gas supply
- It is designed according to the principle of continuous transfer functionality. So during exchange of the cylinders, gas supply won't be interrupted.
- Alternative station capacities depending on the type of gas used and the distance
- Fully removable cover for easy access to internal components
- Easy to reach alarm panel connections

Optional Accessories

- Emergency reserve manifold
- Heater Kits
- Isolation valve and test gas outlet
- Spare cylinder racks

Manifold Type	: 2 stage, 2 regulators
Capacity	: 40 m³ / h, 4000.15-15A
	: 150 m³ / h, 4000.10-10A
Inlet dia	: 1/2"
Outlet dia	: 22 mm
Outlet pressure	: 4 - 7 bar
Automation	: Fully Automatic
	: 190x620x590 mm, 4000.15-154
	: 230x657x850 mm, 4000.10-104



Description	Model	Article Code		
W/o alarm 150 m³/h	4000.10	66.1085		
With alarm 150 m³/h	4000.10A	66.1087		
W/o alarm 40 m³/h	4000.15	66.1086		
With alarm 40 m³/h	4000.15A	66.1088		

CYLINDER RAMP

• Alternative models for connection of 1, 2, 3, 4 or 5 cylinders

• Made of galvanized steel, brass headers and copper pipe

Description	Length	Model	Article Code	
Single	180 mm	2200.10	90.1555	
Double	330 mm	2200.20	90.1556	
Triple	630 mm	2200.30	90.1557	
Quadruple	930 mm	2200.40	90.1558	
Quintuple	1230 mm	2200.50	90.1559	
Triple - Block	280 mm	1760.07	66.2011	





90.1559

CYLINDER FIXING CHAIN

- Designed to fix the cylinders safely
- Alternative models for connection of 1, 2, 3, 4 or 5 cylinders

Description	Length	Model	Article Code
Single	180 mm	2200.81	66.1093
Double	330 mm	2200.82	66.1094
Triple	630 mm	2200.83	90.1561
Quadruple	930 mm	2200.84	90.1562
Quintuple	1230 mm	2200.85	66.1097
Triple - Block	580 mm	1770.06	66.2012

66.2012



FLEXIBLE & TAIL PIPE

- Used for connecting the cylinders to cylinder ramp
- Gas specific thread for O₂, N₂O, CO₂ and medical gas cylinders
- Nut diameter: 1/2"



Description	Gas Type	Cylinder nut dia	Model	Article Code
Tail Pipe 140 cm	Oxygen (bull-nose)	5/8 (Male)	2001.01	67.1167
Tail Pipe 140 cm	Carbondioxide	Ø 21.8 mm,1/14	2006.00	67.1340
Tail Pipe 140 cm	Oxygen	3/4"	2001.00	90.1553
Tail Pipe 140 cm	Nitrousoxide	3/8"	2003.00	90.1554
Flexible Hose 60 cm	Oxygen (bull-nose)	5/8 (Male)	2001.02	67.1168
Flexible Hose 60 cm	Carbondioxide	Ø 21.8 mm,1/14	2001.03	67.1169
Flexible Hose 60 cm	Oxygen	3/4"	2001.04	67.1170
Flexible Hose 60 cm	Nitrousoxide	3/8"	2001.05	67.1171
Flexible Hose 60 cm	Oxygen (PIN INDEX)	-	2001.06	67.1172
Flexible Hose 60 cm	N20 (PIN INDEX)	-	2001.07	67.1173



 Model
 1790.01

 Article Code
 66.1079

Flexible Connection Pipe

- Used for connecting the cylinders to cylinder ramp
- Length 140 cm, made of copper pipe
- Gas specific thread for O_2 , N_2O , CO_2 and medical gas cylinders
- Nut diameters



Model Article Code

1790.02 66.1076

Discharge Valve

- Designed to be used for the gas discharge of medical gas stations
- Compatible with O₂ and N₂O gases
- Made of brass



Medical Gas Ball Valve & Zone Service Unit

- Designed and specially cleaned to use in medical gas system
- Optional lock and nist connection
- %100 corrosion proof design, no painted steel
- Break out plastic window provides safe access in an emergency

Model	Pipe Dia.	Ball Valve Model	Working Pressure (bar)	Ball Valve Article Code	Ball Valve with Box Article Code
2800.10	10 mm	78	78	66.1317	66.1327
2800.12	12 mm	64	64	66.1399	66.1400
2800.15	15 mm	55	55	66.1357	66.1457
2800.22	22 mm	50	50	66.1318	66.1456
2800.28	28 mm	40	40	66.1358	66.1458
2800.35	35 mm	40	40	66.1319	66.1419
2800.42	42 mm	35	35	66.1320	66.1455
2800.54	54 mm	27	27	66.1409	66.1705
2800.76	76 mm	16	16	66.1606	66.1706

MEDICAL VACUUM STATIONS





Vacuum Pump

Medical vacuum stations are indispensable components of modern hospitals and healthcare facilities. These systems ensure the safe and hygienic removal of patient bodily fluids (blood, mucus, urine, etc.) from critical areas such as operating rooms, intensive care units, delivery rooms, and emergency services. Equipped with powerful vacuum pumps, vacuum tanks, filters, and automated control systems, these plants provide a centralized vacuum source throughout the hospital, maximizing patient care quality and safety. By minimizing infection risks, streamlining healthcare personnel's workflow, and enhancing patient comfort, central medical vacuum plants play a vital role in modern medical infrastructure.

VERTICAL TYPE CENTRAL VACUUM STATION

• Designed to be used for central vacuum systems in operating theatres, ICUs, emergencies and laboratories of hospitals

- PLC controlled full automatic system
- Compact and modular design
- Medical type high efficiency bacteria filters
- Lubricated rotary vane vacuum pumps
- •Sliding shelves enable easy access for maintenance





Model	VRD-42	VRT-43	VRD-102	VRT-103	VRD-202	VRT-203
System Capacity (m³/h) (50 hz)	47x2	47x3	100x2	100x3	200x2	200x3
Power (kW) (50 Hz)	1,10x2	1,10x3	2,20x2	2,20x3	4,00x2	4,00x2
Pump Qty	2	3	2	3	2	3
Tank Capacity (L)	500	500	1000	1000	1500	1500
Bactery Filter Qty	1 рс	1 рс	1 рс	2 рс	2 рс	2 рс
Liquid Trap	1 рс	2 рс				
Inlet hose dia.	1"	1 "	1"1/4	1"1/4	2"	2"
Outlet hose dia.	1"	1 "	1"1/2	1"1/2	2"	2"
Bed Qty	70	50-90	90-180	150-200	160-300	160-350
Article Code	66.1344	66.1498	66.1343	66.1396	66.1118	66.1500

TANK MOUNTED CENTRAL VACUUM STATION

- Designed to stand alone assemblies with all components and filters mounted on a single horizontal vessel
- PLC controlled full automatic system
- Compact tank top design
- Suitable for low height medical gas plant rooms
- Specifically designed for ease of installation





Model	VYD-42	VYT-43	VYD-102	VYT-103	VYD-202	VYT-203
System Capacity (m³/h (50hz)	47x2	47x3	100x2	100x3	200x2	200x3
Power (kW) (50 Hz)	1,10x2	1,10x3	2,20x2	2,20x3	4,8x2	4,8x3
Pump Qty	2	3	2	3	2	3
Tank Capacity (L)	500	500	1000	1000	1000	1000
Bactery Filter Qty	1 рс	1 pc	1 рс	2 pcs	2 pcs	2 pcs
Liquid Trap	1 рс	1 pc	1 рс	1 рс	1 рс	1 pc
PLC Qty	1	1	1	1	1	1
Inlet hose dia.	1 "	1 "	1"1/4	1"1/4	2"	2"
Outlet hose dia.	1 "	1 "	1"1/2	1"1/2	2"	2"
Bed Qty	70	50-90	90-180	150-200	160-300	160-350
Article Code	66.1120	66.1501	66.1119	66.1502	66.1566	66.1567

VACUUM PUMPS

The lubricated rotary vane pumps are designed to be used in a wide range of industrial and healthcare applications. They can run continuouslyfrom atmospheric pressure to ultimate vacuum.

- Specially designed for medical applications
- Stable and long-life pumps
- Lubricated rotary vane vacuum pumps
- Single stage
- High pumping speed even at low pressure
- Integrated oil mist filter on the exhaust
- Pumps can run continuously from atmospheric pressure to ultimate vacuum
- Silent and very robust pumps
- Options; Oil level switch, PT100 temperature sensor



MAINTENANCE KITS

Usual maintenance (EC): 3000 h or 24 months

- Inspection / cleaning
- Oil change
- Oil filter replacement
- Oil separating cartridge(s) change
- Inlet valve overhaul
- Gas ballast filter change



MAINTENANCE KITS

Preventive maintenance (MP): 12 000 hours

- Radial shaft seals change
- Sliding rings change
- Vanes replacement*
- End cover gaskets replacement
- Automatic drain + gaskets replacement
- Rubber feet replacement
- Coupling ring overhaul





	Article	Non Flo	ninal ow	Μο Ροι	tor ver	Weight	3 000 hours or 24 months, Maintanapas Kita		3 000 hours or 24 months, Maintenance Kits		0 hours ance Kits
Model	Code	m ³	.h⁻¹	K	W		wanten				
		50 Hz	60 Hz	50 Hz	60 Hz	kg	Model	Article Code	Model	Article Code	
VPS-25	66.1121	30	35.3	0,75	0,9	39		M-00 66.1797 VSM-10		66 1803	
VPS-40	66.1122	47.7	56	1,1	1,32	52	V3IVI-00			00.1000	
VPS-70	66.1127	64.3	72.2	1,5	1,8	75	VSM-01	66.1798	VSM-11	66.1804	
VPS-100	66.1123	96	115	2,2	2,70	85	VSM-02	66.1799	VSM-12	66.1805	
VPS-150	66.1124	132	156	З	3,6	154	VSM-03	66.1800	VSM-13	66.1806	
VPS-200	66.1125	198	240	4	4,8	140	VSM-04	66.1801	VSM-14	66.1807	
VPS-300	66.1126	293	354	5,5	6,6	162	VSM-05	66.1802	VSM-15	66.1808	

ANAESTHETIC GAS SCAVENGING SYSTEM, SINGLE AND DOUBLE

Anaesthetic Gas Scavenging Systems (AGSS) are designed to remove anesthetic gas mixtures in operating rooms. Üzümcü AGSS systems are CE marked according to MDD 93/42/EEC and comply with HTM 02-01. Anaesthetic Gas Scavenging Plant is classified as Class IIa Medical Devices. Single and duplex blower versions are available Blowers are oil-free, air cooled side channel regenerative type and suitable for continuous operation.





Model Article Code	AGSS-00 66.1825	AGSS-01 66.1826	AGSS-02 66.1827	AGSS-03 66.1828	AGSS-04 66.1829	AGSS-05 66.1830
Capacity	24m3/h	80m3/h	130m3/h	2x24m3/h	2x80m3/h	2x130m3/I
Power kw	1,3	1,75	3,4	2x0,75	2x1,75	2x3,4
Vacuum	200 mbar					
Inlet Dia mm	38	50,8	50,8	31.75	38	50,8
Outlet Dia mm	44	44	60	44	44	60
Weight	40	50	60	100	120	150

MINI VACUUM STATION

- Compact and independent ready-to-run vacuum plant
- Lubricated rotary vane vacuum pump
- Standard suction network inlet
- Bacteria filter with aspiration (optional)
- Liquid trap (optional)

Model Article Code	VPY-70 66.1323	VPY-71 66.1322
Nominal Capacity (m ³) 50 Hz	25	2x6
Power (kW) 50 Hz	0,75	2x0,45
Tank Capacity (L)	70	70
Noise Level dB (A)	60	56
Oil Capacity (L)	1,5	0
Weight (kg)	85	75



PLC CONTROL PANEL

- Üzümcü PLC panels are fully automatic digital control units
- They are designed to control multiple vacuum pumps of central vacuum stations.
- It enables equal aging of pumps and longer lifetime for the vacuum stations

Pump Type	Capacity m3/h	Dimensions	Model	Article Code
Triple	25 - 40	350x160x530 mm	3301.10	66.1131
Triple	65 - 100	350x160x530 mm	3301.20	66.1132
Triple	150 - 200	350x160x530 mm	3301.30	66.1133



BACTERIA FILTER SET, LIQUID TRAP

- 100 m3/h flow capacity
- Integrated by-pass valves and discharge system
- Bacteria filtration of 30 micron

Pump Type	Model	Article Code
Single	3200.10	66.1129
Double	3200.20	66.1130
Liquid Trap	Model	Article Code
1.5 L capacity	3300.10	66.1831



VACUUM TANK

- Designed to use in central vacuum stations
- Various capacity options
- Vertical or horizontal types available
- Made of highly durable steel material

Capacity (L)	Wall Thickness	Diameter	Length	Model	Article Code
500 L	5 mm	630 mm	1800 mm	3350.05	66.1134
750 L	5 mm	750 mm	1800 mm	3350.75	66.1137
1000 L	6 mm	850 mm	1920 mm	3350.10	66.1135
1500 L	6 mm	1100 mm	2200 mm	3350.15	66.1136



66.1134

MEDICAL & SURGICAL AIR PLANT SYSTEMS





MEDICAL AIR

Medical air systems are centralized systems designed to provide clean and dry compressed air, which is critical for patient respiratory support, surgical procedures, and other medical applications in hospitals and healthcare facilities. These systems incorporate components such as compressors, dryers, filters, and pressure regulators to produce high-purity air. Medical air systems are engineered and installed in compliance with international standards to ensure patient safety and minimize infection risks. These systems enhance the quality of patient care by providing a continuous and reliable air source throughout the hospital.

MEDICAL COMPRESSED AIR

Medical Compressed air is a widely used gas in hospitals. Therefore, the requirements and quality standards are high. Medical compressed air is important for the ventilation of ICU patient. It is the most important medical gas other than oxygen. International standards such as EN ISO 7396-1 and the European Pharmacopoeia guarantee the continuity of medical compressed air and ensure that quality control is carried out regularly. In addition, it defines the limit values that the medical air must have. With Üzümcü Medical Compressed Air Stations, we ensure that you obtain quality air according to EN ISO 7396-1 and European Pharmacopoeia.

Content	European Pharmacopoeia
02	20.4% <x<21.4%< td=""></x<21.4%<>
CO2	<500 ppm
CO	<5 ppm
SO ₂	<1 ppm
NO	<2 ppm
NO ₂	<2 ppm
H ₂ O	<67 ppm
Oil vapor	<0.1 mg/m ³



Filtration and Dryer System

MEDICAL AIR SYSTEM

Model	Article Code	Compressor Capacity	Compressor Type	Tank Capacity	Filtration and Dryer System	Operating Temperature	* Bed Quantitiy
BY-3-39	66.1832	3x52 m³∕h	Screw Type	2x300 L	2	(+10) - (+50) C°	50-100
BY-3-84	66.1834	3x81 m³∕h	Screw Type	2x1000 L	2	(+10) - (+50) C°	150-200
BY-3-11	66.1835	3x123 m³/h	Screw Type	2x1000 L	2	(+10) - (+50) C°	200-250
BY-3-13	66.1836	3x147 m³/h	Screw Type	2x1500 L	2	(+10) - (+50) C°	250-300
BY-3-21	66.1837	3x284 m³/h	Screw Type	2x2000 L	2	(+10) - (+50) C°	300-500
BY-3-26	66.1838	3x322 m³/h	Screw Type	2x2000 L	2	(+10) - (+50) C°	300-500

* Please note that medical gas requirement capacity totaly depends on type of the hospital's room&quantity.

TECHNICAL AIR SYSTEM

Technical Air Plant is designed to provide a continuous supply of medical quality air. Technical Air is mainly supplied through a medical gas pipeline system where the air is generated by compressors, dryers and filtration system. Üzümcü Technical Air plant with rotary screw compressors can be used in wide capacity range. Compressor capacities varies from 2.2 kW to 37 kW. High quality screw blocks with perfect lubrication systems enable continuous operation, stability and reliability. At technical air solutions offers compressed air dryers with +3-5 C° dew point temperature. Üzümcü can offer different capacities according to hospital consumption and bed capacity.



Model	Article Code	Compressor Capacity	Compressor Type	Dryer Capacity	Tank Capacity	Operating Temperature	*Bed Quantitiy
KV-1-39	66.1839	1x52 m³/h	Screw Type	1x63 m³/h	300 L	(+10) - (+50) C°	20-50
KV-2-39	66.1840	2x52 m³/h	Screw Type	1x63 m³/h	300 L	(+10) - (+50) C°	20-50
KV-1-84	66.1841	1x81 m³/h	Screw Type	1x87 m³/h	500 L	(+10) - (+50) C°	50-100
KV-2-84	66.1842	2x81 m³/h	Screw Type	1x87 m³/h	500 L	(+10) - (+50) C°	50-100
KV-1-17	66.1843	1x123 m³/h	Screw Type	1x130 m³/h	1000 L	(+10) - (+50) C°	100-150
KV-2-17	66.1844	2x123 m³/h	Screw Type	2x130 m³/h	1000 L	(+10) - (+50) C°	100-150
KV-1-16	66.1845	1x147 m³/h	Screw Type	1x170 m³/h	1500 L	(+10) - (+50) C°	150-200
KV-2-16	66.1846	2x147 m³/h	Screw Type	2x170 m³/h	1500 L	(+10) - (+50) C°	150-200
KV-1-21	66.1847	1x182 m³/h	Screw Type	1x283 m³/h	2x1000 L	(+10) - (+50) C°	200-250
KV-2-21	66.1848	2x182 m³/h	Screw Type	2x283 m³/h	2x1000 L	(+10) - (+50) C°	200-250
KV-1-28	66.1891	1x284 m³/h	Screw Type	1x354 m³/h	2x1000 L	(+10) - (+50) C°	300-500
KV-2-28	66.1892	2x284 m³/h	Screw Type	2x354 m³/h	2x1000 L	(+10) - (+50) C°	300-500
KV-1-32	66.1901	1x322 m³/h	Screw Type	1x468 m³/h	2x1000 L	(+10) - (+50) C°	300-500
KV-2-32	66.1902	2x322 m³/h	Screw Type	2x468 m³/h	2x1000 L	(+10) - (+50) C°	300-500

* Please note that medical gas requirement capacity totaly depends on type of the hospital's room&quantity.

AIR COMPRESSORS

Air compressors used in air plants are critical equipment that compress atmospheric air to produce pressurized air, which is then supplied to medical gas systems. These compressors are specifically designed to generate high-purity, dry compressed air necessary for patient respiratory support, surgical procedures, and other medical applications in hospitals and healthcare facilities. Typically available in oil-free or oil-injected types, these compressors work in conjunction with filters, dryers, and pressure regulators to maintain air quality and are manufactured in compliance with international medical standards.

- Quiet and efficient axial fan directly connected to main motor
- Additional axial fan with temperature control
- Compact, small footprint, easy to service.
- \bullet Compressor capacity 21 324 m³ / h
- Integrated PLC control until 2 compressor







COMPRESSED AIR REGULATOR GROUP

- Air Regulator Group is the final regulation process of the air coming from the compressed air station.
- It is used to regulate the air pressure to required level (4 bar or 7 bar)

Model	KV-R-100	KV-R-200
Article Code	66.1854	66.1855
Capacity (m3/h)	100	200



COMPRESSED LINE FILTERS

- Four different types;
 - 1- Pre Filter (General Purpose)
- 2- Fine Filter (Oil Removal)
- 3- Particle Filter (Particle Removal)
- 4- Activated Carbon Filter (Fine Oil Removal)
- Operation up to 20 bar
- Diffirential pressure gauge



OXYGEN GENERATOR SYSTEM

Üzümcü Oxygen Generators are new generation stations that allows on-site production of oxygen. This helps hospitals to supply oxygen from their own automated system independently. These systems are generally combined with cylinder systems for instant back up.

Üzümcü Oxygen Generators deliver oxygen in a purity up to 95% at flow rate from 3 to 60 m3/h. Station delivers constant purity rate independent from the consumption. Ideal system consists of air compressors, dryers, O_2 generator, active carbon tower, tanks and filters.

Classification

Üzümcü Oxygen Production Systems are designed and manufactured in compliance with HTM 02-01, HTM 2022, EN 13485 standards.

Standart Equipment

- Air Screw type Compressor
- Air Dryer
- O2 generator
- Air and oxygen Tanks
- Filters







Features:

- Continuous oxygen production
- Highly reliable efficient PSA system
- Üzümcü Oxygen Generators deliver oxygen in a purity up to between $93\% \pm 3\%$ at flow rate from 3 to 100 m³/h.
- Saving space
- Return on Investment period 12-24 months
- Easy to assemble and use
- Automatic operation
- If maintenance of system companents are done in line with instructions generator can operate up to 10 years
- Less energy demand from hospital staffs.
- Easy to monitor purity on simple designed screen.
- No safety risks of handling of high pressure oxygen cylinders

NOTE: Rightful capacity depends on the quantitties and types of the rooms of the hospital.

Article Code	O ₂ Ger Capacity (S	nerator 93% purity)	Feed Air Air Dryer		O ₂ Generator Capacity			
	m³/h	l/min	Capacity	Capacity	90%	92%	94%	96%
66.1610	3.7	62	800	2170	67	63	59	55
66.1611	5.3	88	1150	2830	95	89	84	78
66.1612	7.8	130	1700	3300	140	132	124	115
66.1613	10	167	2250	4700	180	170	159	148
66.1614	12	200	2700	5900	216	203	190	177
66.1616	15	250	3300	7800	270	254	238	222
66.1617	17	283	3800	7800	306	288	269	251
66.1618	21	350	4600	9800	378	356	333	310
66.1619	24	400	5200	13800	432	406	381	355
66.1620	29	483	6400	13800	523	491	460	428
66.1621	33	550	7200	18300	596	559	523	488
66.1622	44	733	9600	21800	792	745	698	650
66.1623	57	950	12400	27100	1027	965	904	842
66.1625	73	1217	15800	36700	1315	1237	1158	1080
	• Dryer and	compressor o	apacities are	given at atmos	pheric pre	essure at	20 °C (ISC) 1217)

Note:

in accor dance with norms ISO 7183-8573-1 and Pneurop 6611- Class 2 @ 7 bar, 35 $^{\circ}$ C inlet

• Rightful capacity depends on the quantitties and types of the rooms of the hospital.





AREA GAS CONTROL PANELS

The Üzümcü Area Gas Control Unit is a reliable solution designed to manage and isolate medical gas supplies in hospital environments. It ensures compliance with international standards such as EN ISO 7396-1 and HTM O2-O1, providing safe and efficient operation. This unit allows isolation of individual floors or zones for installation, maintenance, or emergencies, ensuring uninterrupted supply to critical areas.

An essential feature of the unit is its Non-Interchangeable Screw Thread (NIST) connection, enabling rapid integration of emergency gas supplies. This feature is vital for maintaining a continuous gas flow during disruptions or planned maintenance, ensuring patient safety and operational efficiency.

The Üzümcü Area Gas Control Unit is designed with safety and user convenience in mind. It features durable construction, intuitive controls, and visual indicators for easy operation and monitoring. By integrating advanced isolation capabilities with emergency supply readiness, the unit ensures resilience and reliability in managing medical gas systems, making it an indispensable component for modern healthcare facilities.



Classification

Area Gas Control Unit is manufactured according to HTM 02-01, HTM 2022, EN ISO 7396-1 and BS EN 15908.

Services

- Oxygen
 Nitrou
- Nitrous Oxide
- Medical Air 400 kPa
- Surgical Air 700 kPa

Medical Vacuum



	Electrostatic Painted		Stainles			
	Under Plaster Version	On Plaster Version	Under Plaster Version	On Plaster Version	Size (HxBxW)	
	Article	e Code	Article	Article Code		
1 gas w/o alarm	66.1098	66.1108	66.1098S	66.1108S		
1 gas with alarm	66.1103	66.1113	66.11035	66.11135	E00-020-0E	
2 gas w/o alarm	66.1508	66.1109	66.1508S	66.1109S	5201330185	
2 gas with alarm	66.1104	66.1114	66.1104S	66.1114S		
3 gas w∕o alarm	66.1509	66.1110	66.15095	66.1110S	FOOVOREVOE	
3 gas with alarm	66.1105	66.1115	66.11055	66.11155	5201385195	
4 gas w/o alarm	66.1510	66.1111	66.1510S	66.1111S		
4 gas with alarm	66.1106	66.1116	66.1106S	66.1116S	E00-040-0E	
5 gas w/o alarm	66.1511	66.1112	66.1511S	66.11125	520X610X95	
5 gas with alarm	66.1107	66.1117	66.1107S	66.1117S		

- Controls 1 to 5 gases, including vacuum
- Lockable covers with emergency access lock system
 Window on the cover enables the user to monitor the analog manometers without opening the covers
- Under plaster and on plaster types are available
- Local Area Alarm
- Pressure switches can be fitted inside the box to enable local monitoring.





AVSU MODULE

Description

Üzümcü Area Valve Service Unit Module is manufactured to provide isolation of individual floors of medical gases in the hospital. AVSU Module Unit includes all features required by the EN ISO 7396-1 and HTM O2-O1 standards. Isolation may be required for installation, maintenance or in the case of an emergency.

Classification

AVSU Modules Unit is manufactured accordingly with HTM 02-01, HTM 2022, EN ISO 7396-1 and BS EN 15908.

Services

- Oxygen
- Nitrous Oxide
- Medical Air 400 kPa
- Surgical Air 700 kPa
- Medical Vacuum

Feartures

• Lockable covers with emergency access lock system

- Window on the cover enables the user to monitor
- the analog manometers without opening the covers
- Under plaster and on plaster types are available

Description	Under Plaster Version		On Plaster Version	
	Model	Article Code	Model	Article Code
∃ gas w∕o alarm	AVSU-30	66.1871	AVSU-31	66.1873
3 gas with alarm	AVSU-30A	66.1872	AVSU-31A	66.1874
4 gas w/o alarm	AVSU-40	66.1875	AVSU-41	66.1877
4 gas with alarm	AVSU-40A	66.1876	AVSU-41A	66.1878
5 gas w/o alarm	AVSU-50	66.1879	AVSU-51	66.1881
5 gas with alarm	AVSU-50A	66.1880	AVSU-51A	66.1881



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AREA GAS CONTROL PANELS WITH SECOND STAGE REGULATOR

- Second stage pressure reducing from 10 bar to 7 bar/4 bar
- Lockable covers with emergency access lock system
- Stainless steel valve box
- Double or single regulators option
- Under plaster and on plaster types are available





Description	Under Plaster Version	On Plaster Version
	Article Code	Article Code
1 gas with alarm	66.1103F	66.1113F
2 gas with alarm	66.1104F	66.1114F
3 gas with alarm	66.1105F	66.1115F
4 gas with alarm	66.1106F	66.1116F
5 gas with alarm	66.1107F	66.1117F



MEDICAL GAS ALARM MANAGEMENT SYSTEM

Üzümcü developed an automation system which allows users to monitor all running medical gas system of the hospital. According to ISO 7396-1, medical gas alarms should monitor continuously medical gas supply, alarm conditions, performance and operation of system. The medical gas alarm management system is required for 7/24 monitoring of the medical gas system.

Monitoring system collects all datas from the alarm panel of central vacuum system, medical air system, manifold system and area control panels. All those instant datas can be displayed on specified touch monitor or any computer in related departments by the technicians



All stations or specified stations can be monitored instantly. System records all signals of operating and emergency alarms. Alarms are monitored both visually and audible indicators. The Alarm Management System makes sure that technical and clinical personnel are kept informed about the status of the central gas supply at all times. Emergency and operational signals are recorded by data collectors and made accessible to the entire network. Data can be displayed either locally or at a central monitoring station.

Due to the decentralised design, new components can be added or existing configurations can be changed at any time. Since a standard data transfer protocol is used, new components will always be able to communicate with the existing system. As each component has a separate function, existing systems can also easily add on and make use of those new functionalities. Thus, your Medical Gas Alarm Management System can be easily brought up to date as required.

PRESSURE SENSOR

• Pressure sensors are used in digital alarm panels to detect high and low pressure

Positive Pressure Transmitter Specs:

Signal output Mechanical connection Electrical connection Feeding voltage	: 4 - 20mA : G 1/4 " : 2m : 8 - 32V		/
Description		Model	Article Code
Positive Pressure Sensor,	Max.10 bar	4400.PB	67.1065
Vacuum Sensor, -1/0 bar	n	4400.VB	67.1108
High Pressure Reducer Ser	nsor, Max.250 bar	4400.YB	67.1250



Üzümcü Medical Gas Alarm Panel monitors the medical gas sources and the operating pressure in the pipeline distribution systems. System continuously controls the medical gas lines in critical care areas of the facility to ensure that medical gas and vacuum systems remain safe for patient use.

Capacity	Model	Article Code
Single Gas	4401.11	67.1102
Double Gas	4402.21	67.1103
Triple Gas	4403.31	67.1104
Four Gas	4403.41	67.1107
Five Gas	4405.51	67.1105



CENTRAL ALARM PANELS

- Designed to be used in central gas station manifold systems
- Audible and visual alarms in case of pressure problems
- The panel works with two high pressure switches and one positive pressure sensor to detect pressure changes
- Sensors and switches are not included





MEDICAL GAS TEST KITS

MEDICAL GAS TEST & COMMISSIONING KIT

- A complete set all in one box to carry out Test & Commissioning
- Includes Digital Pressure & Flow, AGSS Test & Commissioning, Male Anti Confusion NIST, Anti Confusion Probes and Standard Purging test kits
- In compliance with HTMO2-O1 and relevant European Standards and all preceding standards.

AGSS TEST AND COMMISSIONING KIT

Ensure reliable and compliant AGSS performance with our comprehensive test and commissioning kit:

- Enables accurate performance testing of up to 5 AGSS outlet points, in full compliance with BS 68134:1987.
- Equipped with a 1–20 Bar precision pressure gauge for accurate readings.
- Includes a flowmeter with an integrated adjustment tool and Allen key for ease of use.
- Fully compliant with HTM 02-01, relevant European directives, and all legacy standards.



PRESSURE & FLOW MEDICAL GAS TEST KIT

Deliver precision and safety in medical gas systems with our advanced testing kit:

- Specifically engineered for the testing and calibration of BS standard
- terminal units, ensuring safe and accurate pressure and flow levels.
 Equipped with two dedicated pressure guns for testing up to six different medical gas types.
- Includes an additional vacuum gun to measure negative pressure levels accurately.
- Compatible with 0,,0,/N,0, N,0, Air 4 Bar, Air-7, and VAC lines.
- Fully compliant with HTM 02-01, HTM 22, and all relevant European standards.
- Supplied in a rugged, impact-resistant carrying case for field durability.



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ANTI CONFUSION PROBES

- Set of six or nine stainless steel gas specific NIST probes
- Gases include O₂, O₂/N₂O, N₂O, Air-4 Bar, Air-7 Bar, Vacuum
- Nine includes CO₂, N, HEO₂ (Carbon Dioxide, Nitrogen, Heliox)
- Calibrated and manufactured to current industry standards





ANTI CONFUSION NIST PROBES

- Set of six or nine stainless steel gas specific NIST probes
- Gases include O₂, O₂/N₂O, N₂O, Air-4 Bar, Air-7 Bar, Vacuum
- Nine includes CO2, N, HEO2 (Carbon Dioxide, Nitrogen, Heliox)
- Calibrated and manufactured to current industry standards

66.1141

STANDARD PARTICULATE AND PURGING KIT

- 75/150Lpm flow rate jets
- Hydrophobic Membrane 47mm filter papers, 0.45(µm) pore size
- In compliance with HTMO2-O1 and relevant European Standards and all preceding standards



Filter



PRESSURE DROP TEST GUN

Pressure Drop Test Gun is a precision test device used to measure the pressure drop in gas and liquid lines and to test the tightness of the systems. Thanks to its reliable and durable structure, it is widely preferred in industrial and medical gas systems.

- It accurately and reliably measures pressure drops in the system.
- It is made of high quality materials and provides long life and safe use.
- Thanks to its ergonomic structure, it can be easily used with one hand.
- It can be integrated into different connection systems and used in various gas and liquid lines.
- Thanks to its lightweight and compact design, it can be easily carried in field work.





MEDICAL GAS

Medical gas container can consist of composite material or metal 20 ft or 40 ft size containers.

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- To provide the medical gas system regardless of the place.
- Suitable for harsh conditions and space saving
- Easy installation and time saving
- Different gas options that can be divided into different compartments Ready-to-use tested system
- Air conditioning and hot air extraction for air compressor

Advantages -

- Turnkey solution, plug and play
- Container package, free of machine room construction
- Heat reuse system, energy saving
- Environment eco-friendly

- Online management system, one button stop, start
- With cylinder filling system, make your own oxygensource
- 24/7hours running, stable and reliable

LAMINAR FLOW UNITS

Laminar Flow Units are specifically designed to deliver a controlled, particle-free airflow directly above the surgical table, ensuring optimal sterility within the critical patient zone. By creating a unidirectional laminar airflow, these units effectively prevent airborne contaminants, such as bacteria and dust particles, from entering the surgical field—thus maintaining a clean and safe environment throughout the procedure.

Article Code	Unite Size (mm)
66.1903	1200x2400x450
66.1904	1400x2400x450
66.1905	1600x2400x450
66.1906	1800x2400x450
66.1907	2400x2400x450
66.1908	3200x3200x450

Constructed entirely from high-grade AISI 304 stainless steel, the unit offers superior durability, corrosion resistance, and hygiene—making it ideal for demanding medical environments. Equipped with high-efficiency HEPA filters (H13 class), the system ensures exceptional air purification by capturing %99 of airborne particles as small as 0.3 microns.

This advanced filtration and airflow solution plays a vital role in infection control, contributing significantly to patient safety and surgical success.

HEPA FILTER BOXES

Stainless steel or pointed DKP steel. Standard supply diffuser is perforated sheet. F-HB is used to install HEPA filter and to provide hygienic conditions for duct system. It is hanged to ceilings by rods.

Article Code	Filter Size (mm)	Unite Size (mm)
66.1909	610x610x78	650x650
66.1910	610x610x150	650x650





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