



MEGASAN



Medical Vacuum Plants



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MEGASAN Medikal entered the sector in 1981 with assembly and maintenance works and started production in 1998.

It continues its activities in its production facility established on a total area of 70 thousand m² with a closed area of 14 thousand m². There is also a showroom in Ankara where the R&D and sales departments are located. Today, **MEGASAN Medikal A. Ş.** is one of the largest medical gas manufacturers in Europe. In addition to medical vacuum plants in its product range, it produces medical gas plants, area valve service units, medical gas outlets, patient service units, intensive care and emergency service units, pendants, gas adapters.

Today, **MEGASAN** has the rightful pride of offering dozens of best quality products and serves in gas installation projecting, installation and maintenance with its modern manufacturing building equipped with sensitive technological devices and equipments, engineers, extremely well-trained technicians, assembly and maintenance personnels. **MEGASAN Medikal**, is proud of its values and determined mind about getting better day by day.

Our aim; By closely following scientific and technological developments and following a policy parallel to the globalization process in the world, we aim to maintain our leading position in our sector and become a more respected company around the world, while also strengthening this leadership.

Megasan, has the CE (Conformity of Europe) certificate which is very rare in the medical sector in Turkey, proudly states once again that while providing the best service to all its customers;

"The quality of our products is our best reference."



Medical Vacuum Plant

Intended Use:

Medical Vacuum Plant provides medical vacuum gas which meets hospital needs.



Technical Characteristics:

Product Code	: MG-VSEx-y x:40,70,100,150,250,... y:2,3...
Product Name	: Medical Vacuum Plant Elit Model
Number of Pumps	: Min. 2
Pump Capacity	: 25,40,60,106, 205,305... m ³ /h
Control Panel	: Operating (Pump) hour equalization by PLC
Tank Capacity	: 500,1000,1500,2000...Lt. (According to project and the capacity of plant)
Operating Temp.	: (+10) - (+45) C°
Power Supply	: 3Ø, 380VAC, 50 Hz
Collecting Jar	: 1 Pcs with By-Pass System
Filter Group	: 2x Vacuum Bacteria Filters with By-Pass System
Package Sizes	: 88x118x140cm (For MG-VS70-2) & Tank
Product Weight	: Main Unit 280 Kg. (For MG-VS70-2) & Tank

	Model	Capacity (Lt)	Maximum Working Pressure (mmHg)	Body Diameter Ø(mm)	A (mm)	B (mm)	C (mm)
	G500	500	760	600	1500	183	2141
	G750	750	760	850	1200	242	1758
	G1000	1000	836	850	1500	242	2258
	G1500	1500	836	1100	1200	340	2050
	G1800	1800	836	1100	1500	340	2350
	G2000	2000	836	1150	1500	340	2350
	G3000	2500	836	1200	2250	340	3100

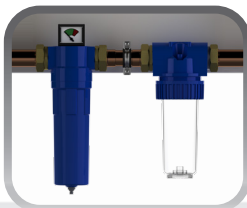
Medical Vacuum Plant Horizontal Type

Intended Use:

It is installed in areas where the medical vacuum requirement is low or where the plant's settlement area is narrow.

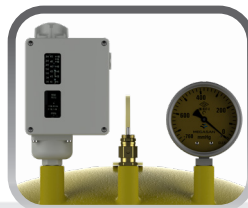
Technical Characteristics:

Product Code	: MG-VSx-y x:40,70,100,150,250,... y:2,3...
Product Name	: Medical Vacuum Plant Horizontal Type
Number of Pumps	: Min. 2
Compressor Cpty.	: 25,40,60,106, 205,305... m ³ /h
Control Panel	: Operating hour equalization by PLC
Tank Capacity	: 500,1000,1500,2000...Lt (According to project and the capacity of plant)
Operating Temp.	: (+10) - (+45) C°
Power Supply	: 3 Phase, 380V AC, 50 Hz
Collecting Jar	: 1 Pcs
Filter	: 1 Pcs
Package Sizes	: 85x190x135 cm (For MG-VS70-2)
Product Weight	: 334 kg. (For MG-VS70-2)



Filter Group

It ensures that the waste materials coming from the medical vacuum installation are filtered in the filter, preventing damage to the vacuum plant and its tank, thus increasing its service life.



Automatic

By help of the vacuumstat on the vacuum tank, it automatically activates the vacuum plant when the vacuum pressure in the line drops below the desired value.



Control Panel

It has ability to show the pressure value in the line; It is the panel that gives visual and audible alarms when the vacuum pressure falls below the set pressure value, can repeat the given alarms and keep them recorded, and cannot be accessed by unauthorized personnel, because of its password.

By-pass System

It is the system used to continue the gas flow to the relevant terminal unit where the distribution is made, in service maintenance and similar situations.

Mechanical Reading

In case of power failure, it enables to monitor the vacuum pressure value in the vacuum line by a manometer gauge on the receiver vessel.

Equal Working Time Control System (Optional)

The vacuum power plant ensures that 2 or more different vacuum pumps work in sequence at certain time intervals during operation, thus providing fuel savings and prolonging the pump life.

Standard Product Selection Details														
Product Code	Product Description	Pump								Vessel		Total System Requirement		
		Capacity			Kw (380V-3 Phase)		Noise Level dB(A)		P i e c e	Capac- ity (Lt)	P i e c e	Power (Kw)	Min. Layout Area (Meter)	Appr. Weight (Kg)
		m³/h		LPM										
		50Hz	60Hz		50Hz	60Hz	50Hz	60Hz						
MG-VSE25-2	Medical Vacuum Plant Elite Model-25 m³/h-2 Pumps	25	29	416,67	0,75	0,90	57	59	2	500	1	2	2,5X2,5	247
MG-VSE25-3	Medical Vacuum Plant Elite Model-25 m³/h-3 Pumps	25	29	416,67	0,75	0,90	57	59	3	500	1	2,75	2,5X3	278
MG-VSE25-4	Medikal Vakum Santrali Elit Model-25 m³/h-4 Pumps	25	29	416,67	0,75	0,90	57	59	4	500	1	3,5	2,5X4	309
MG-VSE40-2	Medical Vacuum Plant Elite Model-40 m³/h-2 Pumps	40	48	666,67	1,10	1,35	64	66	2	500	1	2,7	2,5X2,5	288
MG-VSE40-3	Medical Vacuum Plant Elite Model-40 m³/h-3 Pumps	40	48	666,67	1,10	1,35	64	66	3	500	1	3,8	2,5X3	340
MG-VSE40-4	Medical Vacuum Plant Elite Model-40 m³/h-4 Pumps	40	48	666,67	1,10	1,35	64	66	4	500	1	4,9	2,5X4	391
MG-VSE60-2	Medical Vacuum Plant Elite Model-60 m³/h-2 Pumps	60	72	1000,00	1,50	1,80	66	68	2	500	1	3,5	2,5X2,5	287
MG-VSE60-3	Medical Vacuum Plant Elite Model-60 m³/h-3 Pumps	60	72	1000,00	1,50	1,80	66	68	3	500	1	5	2,5X3	338
MG-VSE60-4	Medical Vacuum Plant Elite Model-60 m³/h-4 Pumps	60	72	1000,00	1,50	1,80	66	68	4	500	2	6,5	2,5X4	524
MG-VSE100-2	Medical Vacuum Plant Elite Model-100 m³/h-2 Pumps	106	127	1766,67	2,20	2,70	66	68	2	1000	1	4,7	2,5X2,5	461
MG-VSE100-3	Medical Vacuum Plant Elite Model-100 m³/h-3 Pumps	106	127	1766,67	2,20	2,70	66	68	3	1000	1	6,9	2,5X3	537
MG-VSE100-4	Medical Vacuum Plant Elite Model-100 m³/h-4 Pumps	106	127	1766,67	2,20	2,70	68	68	4	1000	2	9,1	2,5X4	862
MG-VSE150-2	Medical Vacuum Plant Elite Model-150 m³/h-2 Pumps	151	181	2516,67	3,30	3,70	68	70	2	1000	1	7,1	2,5X2,5	490
MG-VSE150-3	Medical Vacuum Plant Elite Model-150 m³/h-3 Pumps	151	181	2516,67	3,30	3,70	68	70	3	1000	1	10,4	2,5X3	575
MG-VSE150-4	Medical Vacuum Plant Elite Model-150 m³/h-4 Pumps	151	181	2516,67	3,30	3,70	68	70	4	1000	2	14,7	2,5X4	910
MG-VSE200-2	Medical Vacuum Plant Elite Model-200 m³/h-2 Pumps	205	245	3416,67	5,50	6,60	70	73	2	2000	1	11,5	3X3	890
MG-VSE200-3	Medical Vacuum Plant Elite Model-200 m³/h-3 Pumps	205	245	3416,67	5,50	6,60	70	73	3	2000	1	17	3X4	1065
MG-VSE200-4	Medical Vacuum Plant Elite Model-200 m³/h-4 Pumps	205	245	3416,67	5,50	6,60	70	73	4	2000	2	22,5	3X5	1690
MG-VSE300-2	Medical Vacuum Plant Elite Model-300 m³/h-2 Pumps	305	365	5083,33	7,50	9,00	71	74	2	2000	1	11,5	3X3	910
MG-VSE300-3	Medical Vacuum Plant Elite Model-300 m³/h-3 Pumps	305	365	5083,33	7,50	9,00	71	74	3	2000	1	17	3X4	1095
MG-VSE300-4	Medical Vacuum Plant Elite Model-300 m³/h-4 Pumps	305	365	5083,33	7,50	9,00	71	74	4	2000	2	22,5	3X5	1730
MG-VS25-2	Medikal Vakum Santrali Standard Model-25 m³/h-2 Pumps	25	29	416,67	0,75	0,90	57	59	2	500	1	2	2,5X2,5	237
MG-VS25-3	Medical Vacuum Plant Standard Model-25 m³/h-3 Pumps	25	29	416,67	0,75	0,90	57	59	3	500	1	2,75	2,5X2,5	268
MG-VS25-4	Medical Vacuum Plant Standard Model-25 m³/h-4 Pumps	25	29	416,67	0,75	0,90	57	59	4	500	1	3,5	2,5X4	299
MG-VS40-2	Medical Vacuum Plant Standard Model-40 m³/h-2 Pumps	40	48	666,67	1,10	1,35	64	66	2	500	1	2,7	2,5X2,5	278
MG-VS40-3	Medical Vacuum Plant Standard Model-40 m³/h-3 Pumps	40	48	666,67	1,10	1,35	64	66	3	500	1	3,8	2,5X2,5	330
MG-VS40-4	Medical Vacuum Plant Standard Model-40 m³/h-4 Pumps	40	48	666,67	1,10	1,35	64	66	4	500	1	4,9	2,5X4	381
MG-VS60-2	Medical Vacuum Plant Standard Model-60 m³/h-2 Pumps	60	72	1000,00	1,50	1,80	66	68	2	500	1	3,5	2,5X2,5	277
MG-VS60-3	Medical Vacuum Plant Standard Model-60 m³/h-3 Pumps	60	72	1000,00	1,50	1,80	66	68	3	500	1	5	2,5X2,5	328
MG-VS60-4	Medical Vacuum Plant Standard Model-60 m³/h-4 Pumps	60	72	1000,00	1,50	1,80	66	68	4	500	2	6,5	2,5X4	514
MG-VS100-2	Medical Vacuum Plant Standard Model-100 m³/h-2 Pumps	106	127	1766,67	2,20	2,70	66	68	2	1000	1	4,7	2,5X3	451
MG-VS100-3	Medical Vacuum Plant Standard Model-100 m³/h-3 Pumps	106	127	1766,67	2,20	2,70	66	68	3	1000	1	6,9	2,5X3	527
MG-VS100-4	Medical Vacuum Plant Standard Model-100 m³/h-4 Pumps	106	127	1766,67	2,20	2,70	68	68	4	1000	2	9,1	2,5X4	852
MG-VS150-2	Medical Vacuum Plant Standard Model-150 m³/h-2 Pumps	151	181	2516,67	3,30	3,70	68	70	2	1000	1	7,1	2,5X3	480
MG-VS150-3	Medical Vacuum Plant Standard Model-150 m³/h-3 Pumps	151	181	2516,67	3,30	3,70	68	70	3	1000	1	10,4	2,5X3	565
MG-VS150-4	Medical Vacuum Plant Standard Model-150 m³/h-4 Pumps	151	181	2516,67	3,30	3,70	68	70	4	1000	2	14,7	2,5X4	900
MG-VS200-2	Medical Vacuum Plant Standard Model-200 m³/h-2 Pumps	205	245	3416,67	5,50	6,60	70	73	2	2000	1	11,5	3X3	880
MG-VS200-3	Medical Vacuum Plant Standard Model-200 m³/h-3 Pumps	205	245	3416,67	5,50	6,60	70	73	3	2000	1	17	3X4	1055
MG-VS200-4	Medical Vacuum Plant Standard Model-200 m³/h-4 Pumps	205	245	3416,67	5,50	6,60	70	73	4	2000	2	22,5	3X5	1680

* The maximum operating pressure for the pumps is approximately -760 mmHg.

** It can be configured according to project requirements. (Such as the number or type of the Pumps, capacity and number of the Tanks, capacity and type of the Filter Groups, and for the Bypass Systems for all components as well)

*** A distribution manifold to the output of the plants can also be added according to project requirements and demands.

HARNESSING THE POWER OF THE SUN FOR A SUSTAINABLE FUTURE!



MEDİKAL GAZ SİSTEMLERİ TIBBİ ALET ve CİHAZLAR A.Ş.

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Rev.2.0-09.10.2023