

Medical electric suction unit

MEVACS M90



High-power fly suction unit for using into all kinds of surgery, gynaecology and liposuction. Oilless vacuum-pump guarantees long time for no service-need operation. Microbiological filter, silicone hoses and unbreakable vessels guard high hygiene at work. Collecting secret vessels are autoclave

Main advantages of the suction unit are the following:

1. Oil-free vacuum pump, maintenance-free.
2. High level of under pressure-92,4kPa /693 mmHg(82%vacuum).
3. High suction output vacuum pump- 108 lit/min.
4. Long term operation - several days.
5. Simple control of vacuum level by by regulator valve.
6. Very low noise level.
7. Two suction circuits.
8. Possibility switching of suction circuit.
9. Suction volume of up to 8 liters without bottle change.
10. Quadruple overflow protection:
 - ♦ safety jar
 - ♦ overflow valve in lid of safety jar
 - ♦ overflow valve in lid suction jar
 - ♦ hydrophobic bacteriological filter
11. Protection of the unit, personnel and patient against infection by means of fitted bacteriologic filter.
12. The possibility of all functions operation by means of foot control.



Technical Specifications

Typology		Medical Device CLASS IIa
Model		MEVACS M90
Specification by EN ISO 10079-1		High Vacuum - High Flow
Electrical safety		Class I
Direct/indirect contact safety		Type B
Substances penetration protection		IP 20
Power consumption		220-240V ± 10% / 50-60 Hz
		420W + 15%
Electric protection		2 fuses Ø 5 x 20 T - 3,15 A
Electric motor		Induction mono-phase with thermic protection
Vacuum pump		Maintenance-free WOB-L piston (Reciprocating)
Suction	Air flow rate of pump	108 L/min
	Air flow rate on socket of suction unit	89 L/min
	Air flow rate on the end of suction tube in the base version	76 L/min
	Maximum vacuum	up to - 92,4 kPa (693mmHg)
	Jars	1or 2 x 2,0 / 4,0 LT polycarbonate jars with overflow valve
Operation	Suction tube	Silicone - Ø 8 x 3 mm - 2,0 m
		Continuous
Filtration		Hydrophobic suction microbiological filter with very high bacterial efficiencies up to 99,99999% particles bigger than 0,027 micron
Noise level		45 +15% dB (A) @1m (by ISO 7779)
Working condition	Surrounding environment temperature	5 + 35 °C
	Relative humidity	30 + 75%
Storage condition	Surrounding environment temperature	- 40 + 70 °C
	Relative humidity	10 + 100%
International Standards: MDD 93/42/EEC; EN 60601-1; EN 60601-1-2; EN ISO 10079-1; EN ISO 14971		
Technical life:		10 years

Use only microbiological filters supplied by manufacturer, because these filters are hydrophobic (prevent penetration of fluid into vacuum pump and protected it from damage) with very high bacterial efficiencies up to 99,99999% particles bigger than 0,027 micron (which is smaller than Hepatitis A, B and C).

