

## Medical electric suction unit

### MEVACS M38, M46

High-efficiency suction units for using into all kinds of surgery, gynaecology, liposuction and at suction for surgical patients at AR-UIC departments. 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, maintenance-free piston type vacuum mechanism.
2. High level of under pressure - 93 kPa /700mmHg ( 93 % vacuum).
3. High suction output vacuum pump- MEVACS M38 -40 l/min., (MEVACS M46 - 50 l/min)
4. Long-term operation - several days.
5. Simple operation of under pressure level by regulator valve.
6. Reliable protection system against reservoirs overfilling:
  - ◆ safety vessel for frothed secretions
  - ◆ safety valve against over suction in the cover of secretion vessel
  - ◆ hydrophobic bacteriologic filter (prevention of fluid penetration to vacuum pump)
7. Vacuum continuously adjustable.
8. Foot switch (optional).
9. Change over valve.
- 10 Suction tubing of silicone for each jar.



## Technical Specifications

Typology (MDD 93/43/EEC)		Medical Device CLASS IIa	
Model		MEVACS M38	MEVACS M46
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	
Input power		110 VA + 15%	110 VA + 15%
Electric protection		2 fuses Ø 5 x 20 T - 1,0A	
Vacuum pump		Maintenance-free, oil free vacuum pump	
Suction	Air flow rate of pump	40 L / min	50 L / min
	Maximum vacuum	93 kPa (700mmHg)	
	Jars (portable version) Autoclaveable	1 x 2,0 LT polycarbonate / polysulfone jar with overflow valve	
	Jars (with trucks version) Autoclaveable	1or 2 x 1,0 / 2,0 / 4,0 L polycarbonate / polysulfone jars with overflow valve	
	Suction tube	Silicone - Ø 8 x 3 mm - 1,5 m	
Operation		Continuous	
Noise level		45 dB (A) @ 1m (by ISO 7779)z	
Control vacuum gauge (precision ± 2.5%)			
Polycarbonate jar ml. graduated - autoclavable			
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).

