



Medical electric suction unit

MEVACS M38, M46

Ordering number: MEVACS M38 –No: 72001.00
MEVACS M46 –No: 72001.01

Operating Instructions



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T-QN-04/05-01-1

Dear Customers,

Thank you for the decision to buy the MEDIST medical electric suction unit.

Read the operating instruction carefully, please, in order to be able to utilise all its features.

General instructions

- This user's operating instruction is inseparable component of the instrument. It should be stored so that it can be at disposal at any moment.

• Especially important instructions are bounded in this manner

- Suction units **MEVACS** is labelled with a mark **CE** 2265 according to MDD 93/42/EEC and MDR/2017/745.
- Devices meet requests of security specifications according to EN 60601-1, EN ISO 10079-1 and interference requests EN 60601-1-2.
- Failure-free operation is guaranteed when
 - parts and accessories used are listed into this operating instruction and they are approved by firm MEDIST
 - the device installation, its setup, variations, service extension are made by MEDIST company or authorized service organizations
 - the device is used in accordance with this operating instruction
- **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).**
- Company MEDIST does not warrant for secure operation and failure-free operation if uncertified accessories were used.
- Duration and guarantee conditions follow standard clauses listed into warranty. Duration of warranty is extended in the repair time in the case of warranted repair.
- Quality management system used by the company MEDIST meets international standards EN ISO 9001 and EN ISO 13485.
- The doctor treating the patient is responsible for proper surgical procedures and technology. In any case, the doctor must decide whether the treatment is appropriate and how to do it.
- The device is supplied as non-sterile.

• In the event of a major accident caused by this device, the user should report the event to the manufacturer and the competent authority in the country where the user is established.

Security warning

SECURITY

- This suction device can only be operated by persons who have received appropriate instructions and are demonstrably familiar with these instructions for use and application methodology for this device. Needed level of qualification – staff instructed how to operate with electric equipment.

- **WARNING:** To reduce the risk of electric shock the device must be connected to the supply mains with protective earth only!

- Disposal of cover material perform in accordance with valid standards.
- Suction unit is not intended for explosive conditions. These conditions can arise by using flammable anaesthetic gases and disinfecting skin agents. The instrument and foot-operated manipulator must be placed outside this area.

- Suction hose must be always connected with suction catheter, suction nozzle or suction set and there must be no direct contact with the suction place.

- Do not open the unit cover in order to avoid the electric shock.
- Any repairs should be performed by the specialist.

- Device is protected by a safety valve into a jar cover and hydrophobic filter against secret sucking into the vacuum pump. It in spite of this secret is sucked; further using is possible as late as a control was made. The control can only be provided by a authorized service organization.

- Before connecting the device, check that the values for voltage and frequency indicated on the equipment correspond to those of the mains supply.
- Protect the mains cord against mechanical damage, especially against cutting and short-circuiting.
- Do not bend the mains cord too much.
- Pull the plug of the mains cord when unplugging.
- Never leave the mains cord plugged in electric mains, when unplugged from the unit socket.
- Operating staf must make certain before every use of suction unit about its good condition and device ready.

- **Don't expose the collection jars for direct UV ray of the germicidal lamps.**

- The suction device is not suitable for use in MRI environments.
- During use in surgical procedures, where smoke gas (flue) is produced, the hydrophobic bacteriological filter is rapidly clogged. In order to extend its lifetime, it is recommended that a smoke filter be placed in front of the hydrophobic filter. Warning! The smoke filter itself is not a replacement for the hydrophobic filter!

Installation

- The unit should have sufficient air circulation in order to avoid the overheating.
- Do not put the unit on subjects, which could block the vents on the unit bottom part (e.g. carpet, rug, ...). Put the unit on flat firm surface or truck.
- Always secure the suction unit with a special screw with black head during installation on trolley.
- Do not use or locate the unit in the vicinity of heat sources.

Note

- Do not forget regular replacement of filters.
- When you are interconnecting the jars, **keep the rule that the input leads through a direct connector and the output leads through the connector** under which the safety valve is located.

- When you are autoclaving, the jars must stand freely upside down, they must not touch each other and must not be loaded in order to avoid distortions. Max. temperature is 121°C for polycarbonate, 134°C for polysulfone and 143°C for APEC.

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1. Introduction

*High-efficiency suction units **MEVACS M38** and **MEVACS M46** are available 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 vacuum pump**, maintenance-free.
2. **High level of underpressure** - 93 kPa / 700 mmHg (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 underpressure level by regulator valve
6. **Very low noise level.**
7. **Reliable protection system against reservoirs overflowing:**
 - ◆ safety vessel for frothed secretions
 - ◆ safety valve against oversuction in the cover of secretion vessel
 - ◆ hydrophobic bacteriologic filter (prevention of fluid penetration to vacuum pump)
8. **Protection of the unit, personnel and patient against infection** by means of fitted bacteriologic filter.
9. **The possibility of all functions operation by means of foot control.**
10. **Wide range of additional equipment:**
 - unbreakable autoclavable vessels for secretion with volume 0.5 L, 1 L, 2 L, 4 L, 5 L
 - universal truck with a basket, dish, holders...
 - suction adapters, single-use suction bags, cylinders ...
 - various diameters of silicone suction hoses
 - ◆ vacuum-extractors, curettage adapters

1.1. Purpose of designation of the Medical device

Suction units MEVACS are designed for suction liquids, blood and secretions, for creating vacuums in body cavities and the like. An extensive range of applications is also available in laboratories, or its industrial use within the range of technical parameters.

1.2. Areas of use

- a) Surgery - Neurosurgery - Cardiosurgery - Plastic surgery - Accident surgery - Orthopaedics
- b) Anaesthetic/Resuscitation Dpt., Ward of internal diseases - Intensive Care Unit - Endoscopy
- c) Gynaecology (suction curettage, vacuum extraction)
- d) Ambulances, other - in the range of technical parameters

2. Equipment

2.1. Basic equipment

You can find the following in the transport packing of the unit of basic performance delivery:

- **suction unit MEVACS**, on which the following is fitted:
 - ⇒ plastic polycarbonate vessel for secretion 2.0 l
 - ⇒ push cover for the 2.0 l vessel
 - ⇒ safety vessel
 - ⇒ suction microbiologic filter
 - ⇒ safety vessel and 2,0 l vessel holder
 - ⇒ suction silicone hose \varnothing 8 x 3
- **electric cord**

2.2. Optional accessories

	Name / type	Ordering number
A-2	Suction hydrophobic microbiologic filter ϕ 65mm/8mm (2200-02 / M03.1.003)	42101.01
A-3	Suction hydrophobic microbiologic filter ϕ 65mm/11-16mm (2200-16 / M03.1.004)	42101.03
A-4	Suction microbiologic filter 2000/09	42101.02
A-5	Silicone hose 10 x 3	40100.04
A-6	Silicone hose 8 x 3	40100.00
A-7	Silicone hose 7 x 3	40100.05
A-8	Silicone hose 6 x 3	40100.01
B-12	2.0 L jar CM	42011.02
B-12.1	2.0 L jar CM with lid - APEC, autoclavable at max 143°C	42011.30
B-13	2.0 L jar TM, polycarbonate, pressure lid	42011.11
B-14	2.0 L jar TM, polysulfone, pressure lid	42011.09
B-15	2.0 L jar TM, polycarbonate, silicone ring lid	42011.15
B-16	2.0 L jar TM, polysulfone, silicone ring lid	42011.13
B-17	2.0 L jar TM, polycarbonate, screw metal lid	42011.14
B-18	2.0 L jar TM, polysulfone, screw metal lid	42011.21
B-19	2.0 L jar TM, polysulfone, silicone ring lid and angled metal tubing nipple	42011.20
B-21	4.0 L jar CM, polycarbonate, pressure lid	42011.23
B-22	4.0 L jar TM, polycarbonate, pressure lid	42011.12
B-23	4.0 L jar TM, polysulfone, pressure lid	42011.10
B-24	4.0 L jar TM, polysulfone, pressure lid, angled nipple	42011.22
B-24.1	5.0 L jar CM with lid - APEC, autoclavable at max 143°C	42011.31
B-24.2	5.0 L jar CM polycarbonate with lid	42011.32
B-37	Safety jar 300 ml with hose socket	73001.35
G-2.1	Trolley MEVOZ MV4 (for MEVACS, MEVACS M38,M46, S30/30) - eurorail	73000.40
G-3	Trolley basket for MEVOZ	28001.01
G-6	Suction catheter container 50/400 mm - TM	42003.01
G-8	Footswitch for MEVACS M	73000.04

3. Installation

The MEVACS suction unit is a portable unit.

Possibility of location:

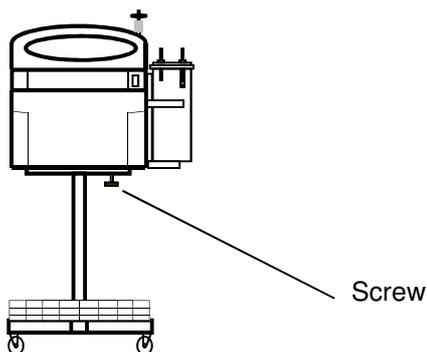
1. on a firm support plate
2. on MEVOZ trolley

3.1. Installation on a firm support plate

- The unit is self-supporting, it can be just put on firm support plate.
- The unit should have sufficient air circulation in order to avoid the overheating.
- Do not put the unit on subjects, which could block the vents on the unit bottom part (e.g. carpet, rug,...).

3.2. Installation on trolley

- put the unit with rubber legs on bed and secure with special screw with black head.

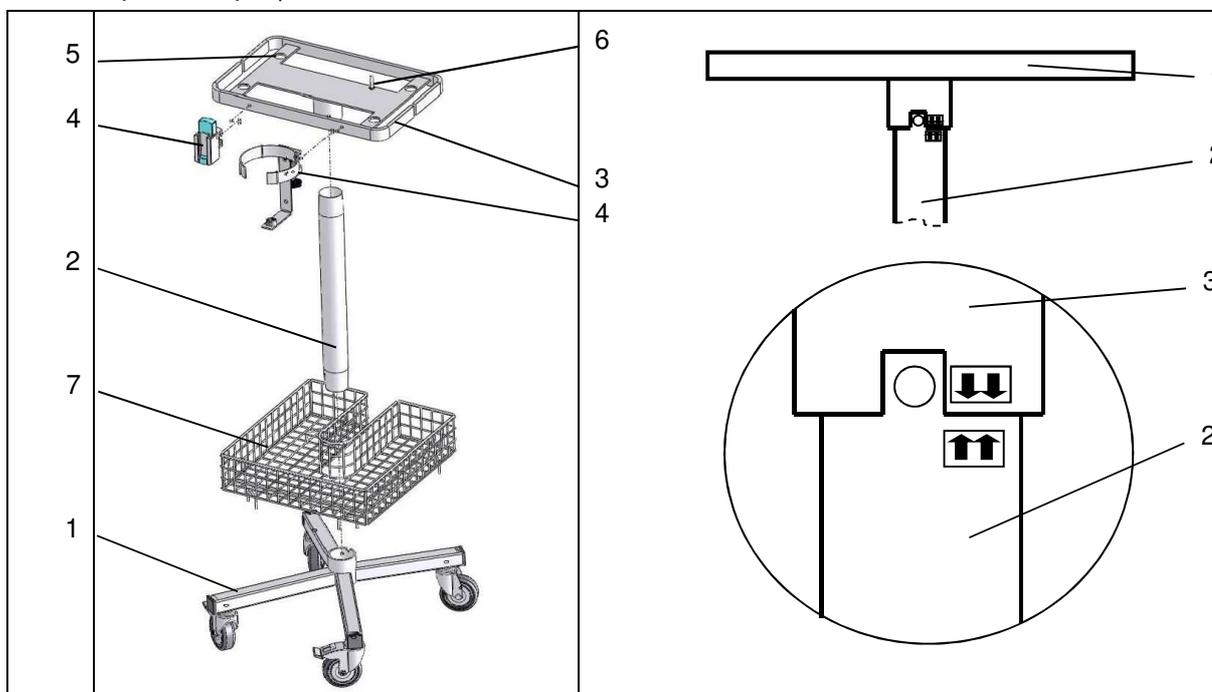


3.3. Trolley assembling

Technical data of trolley

Weight: 8 kg

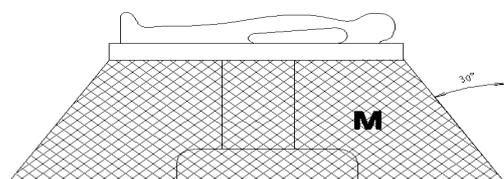
Dimension (L x W x H): apr. - 400 x 430 x 600mm



Trolley - assembling

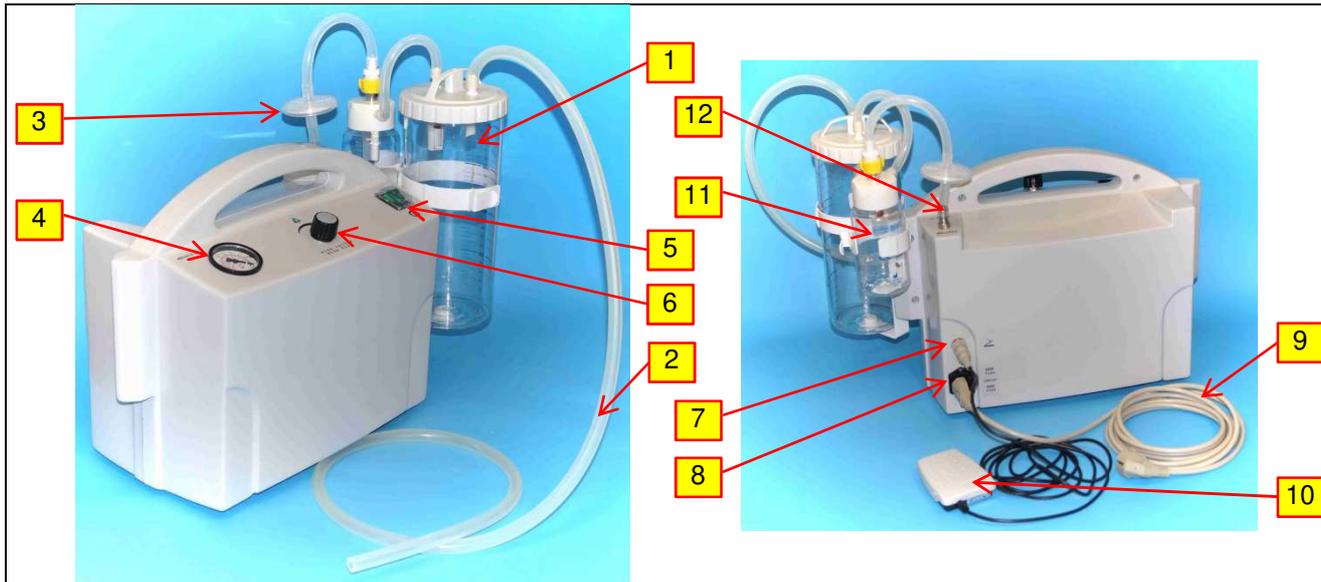
1. Put on the tube (2) on the chassis (1). Wheels with the brake face forward.
2. Put on the baseboard (3) on the tube.
3. Connect the EURO universal rail adapter (plastic or metal) (4) to the EURORAIL of baseboard (3).
4. Fix the jars to adaptors or holders.
5. Put the suction unit with the rubber legs into the holes (5) on the baseboard and secure by special screw with black head (6).
6. Place the basket (7) on the chassis (1).

3.4. Unit location



WARNING! Suction unit is not intended for explosive conditions. The instrument and foot-operated manipulator must be placed **outside this area „M“**.

4. Product description



The suction unit consists of the following:

1. 2.0 L jar for secretion	7. connector for foot switch
2. suction silicone hose Ø 8x3	8. electric socket
3. microbiologic hydrophobic filter	9. electric cord
4. vacuum meter	10. foot control
5. mains switch	11. safety jar
6. regulator valve	12. hose connector for connection of vacuum branch

4.1. Symbols description

Symbol	Description	Location
	Producer	Type plate
	Type B Equipment	Type plate
	Year of Manufacturing	Type plate
	Switch On-Switch Off	Control Panel
	Turn the right - the vacuum is rising	Control Panel
	Attention, see the Operating Instruction	Control Panel
	Foot Switch	Electric Label
	Fuse	Electric Label

5. Unit interconnection

5.1. Interconnection of the unit with basic equipment



Procedure:

1. Insert the filter (3) to hose from vacuum connector (see chapter 6.6.).
2. Shift the hose into the other **microbiological filter** connector (14).
3. Shift the free end of the hose (14) on the output connector (15) of safety jar.
4. On the input connector of **safety jar** (16) shift the suction hose (17).
5. Shift the free end of the hose (17) on the output connector (18) of jar for secretion (the **safety valve is** under the connector and it is labelled as „**VACUUM**“).
6. On the input connector (19) – (it is labelled as „**PATIENT**“ and it is without safety valve) of jar for secretion shift the suction hose (2).

6. Switching on and operation

Attention:

Ensure so as before each suction by new patient was realized sterilization of suction hose with suction adapter, jar for secretion and interconnection hose to microbiological filter

6.1. Suction unit operational set-out

Connect a suction unit with a vessel exit connector to secret – it is labelled as “VACUUM”. Hoses must not be damaged, cracked or messed up.

Check a bacteriological filter and if it is needed replace it.

6.2. Vessel preparation for secret

Vessels must be controlled for possible breaks, granularity or damage before use. Any defect can produce leakage or split of the vessel (implosion of the vessel on secret is possible at vacuum).

Before sucking we recommend to infuse into the secret vessel a little water or disinfecting agent for easier cleaning.

6.3. Switching on

1. The unit is switched on by means of ON-OFF switch.
 - position „0“ - the unit **is off**
 - position „I“ - the unit **is on** (the switch illuminates)
2. Select the respective required value by regulator valve.

Vacuum is increasing by turning round of a regulating vent with the sun. Value of vacuum is displayed only if filtering perimeter is closed, e.g. by cranking the end of the filtering hose.



VACUOMETER SCALE

Vacuum-meter scale is in bars.

-1bar = -100 kPa = -100% vacuum

6.3.1. Connecting the foot controller and how to use it

Foot controller plug into connector (7) and lock nut. Foot controller operates as a foot vacuum regulator - **MOMENTERY**: when the suction unit is switched on, by pressing and holding the foot controller, the suction unit works (increasing the vacuum to the set value) and releasing the foot controller will stop working.

6.4. Functional examination of suction unit

Before each use of the suction device, the operator must perform the test according to paragraph 6.4.1.

6.4.1. Outer suction perimeter

- turn the suction unit on
- crank or cover free end of the suction hose by your finger (**2**)
- turn the vacuum regulating vent with the sun till it stop
- vacuum-meter must display maximum value of vacuum (see point "Technical data") after some time (it depends of the secret vessel volume)

Status of components and leakage inside of suction unit outside its own body is controlled by the test.

6.4.2. Inner suction perimeter

- turn the suction unit on
- cover the connector on the suction unit by your finger (**12**)
- turn the vacuum regulating vent with the sun till it stop
- maximum vacuum value must be displayed on the vacuum-meter (see point "Technical data")

Status of components and leakage inside of suction unit is controlled by the test.

Note:

If the suction unit meets the first test but not the second, leakage must be into outer suction perimeter (incorrectly mounted a vessel lid, defective filter, hoses put on deficiently, released connectors,...)

6.5. Changing of the collecting jar for secretion

The useful volume of the collecting jar in operation at the maximum inclination 10° is 100% of its capacity.

We recommend replacing or emptying the jar if it is filled to 4/5 of its volume and always have a spare jar available to make the exchange quick. The lids of the plastic containers are equipped with a float safety valve against overfilling.

6.6. Changing of bacteriologic filter



Suction microbiologic filter eliminated risk of contamination with bacteria, viruses and infected particle from patient to vacuum pump or central vacuum distribution. Suction microbiological filter is **hydrophobic** with very high bacterial efficiencies up to 99,99999% particles bigger than 0,027 micron (which is smaller than **Hepatitis A, B and C**).

Applications:

Suction filter located behind output of the jar in front of the vacuum source. The filter put on so as the side of filter marked „**IN**“ or “**Arrows** ▶ ◀” was directed to the jar (the patient) and the side without marked to the vacuum source.

Exchange:

The filter is necessary replaced, as it is glazed with dirtiness or by liquid sucked. Maximum using time is 30 days. After ending of suction of infection patient we recommended immediately exchanged the filter.

It prevents spread of infection.

6.7. Testing for replacement and disassembly of consumables

After replacing and disassembling consumables (filter, jars, hoses, connectors ...), the user must check the functionality described in section 6.4.1.

6.8 Protective systems against overfilling suction device

The suction device has a double protection system:

1. The hydrophobic bacteriological filter prevents the penetration of fluid into the pump
2. Safety float valve against overfilling into lid of jar for secretion, which, upon reaching the maximum level, closes the suction circuit and thus prevents the flow of fluid into the vacuum pump.

Warning: If a protection system is activated, the suction device stops sucking.

Remedy after activation of the protective system: replace the filter or collection jar. For emptying, cleaning and disinfecting the jars follow the instructions in Section 8.1.

Warning: If the fluid or solids are sucked into the vacuum pump, the next use is only possible after an inspection. Inspection can be done by the manufacturer or an authorized service representative only.

7. Technical specification

Typology (MDR/2017/745)		<i>Medical Device CLASS IIa</i>	
UMDNS code		10-217	
GMDN code		36777	
Model		MEVACS M38	MEVACS M46
UDI / UDI-DI code			
Specification by EN ISO 10079-1		<i>High Vacuum - High Flow</i>	
Electrical safety		Class I	
Direct/indirect contact safety		<i>Type B</i>	
Substances penetration protection		<i>IP 20</i>	
Safety level in presence of anaesthetic/explosive mixture		<i>Not protected device</i>	
Supply voltage		<i>220-230V ± 10% / 50-60 Hz</i>	
Input power		110 VA + 15%	110 VA + 15%
Electric protection		<i>2 fuses Ø 5 x 20 T - 1,0A</i>	
Vacuum pump		<i>Maintenance-free diaphragm vacuum pump</i>	
Suction	Air flow rate of pump	40 L / min	50 L / min
	Maximum vacuum	93 kPa (700mmHg)	
	Jars (portable version)	1 x 2,0 LT polycarbonate jar with overflow valve	
	Jars (with trucks version)	1 or 2 x 1,0 / 2,0 / 4,0 L polycarbonate jars with overflow valve	
	Suction tube	Silicone - Ø 8 x 3 mm - 1,5 m (Maximum length 5 m)	
Operation		<i>Continuous</i>	
Filtration		<i>Hydrophobic suction microbiological filter with very high bacterial efficiencies up to 99,99999% particles bigger than 0,027 micron</i>	
Weight	Portable version	10,5 kg	
	On truck version	17 kg	
Dimension (L x W x H)	Portable version	apr. - 540 x 235 x 430 mm	
	On truck version	apr. - 540 x 430 x 985 mm	
Supply cord		4 m	
Vacuum control valve			
Control vacuum gauge (precision ± 2.5%)			
Polycarbonate jar ml. graduated - autoclavable			
Special features (optional):			
- truck MEVOZ			
- operation with foot control (IP 68)			
Working condition	Surrounding envir. temperature	5 ÷ 35 °C	
	Relative humidity	30 ÷ 75 %	
Storage condition	Surrounding envir. temperature	- 20 ÷ 50 °C	
	Relative humidity	10 ÷ 90 %	
Packing - wrappage		5 laminated cardboard carton	
International standards:			
MDD 93/42/EEC; MDR/2017/745; EN 60601-1; EN 60601-1-2; EN ISO 10079-1; EN ISO 14971			
Technical life:		10 years	

8. Basic maintenance and cleaning

8.1. General information on cleaning and disinfection.

WARNING

After each use, the parts that have been in contact with the aspirated secretions have to be cleaned, disinfected, sterilised or disposed.

Pull the power plug prior to each cleaning!!!

Notes

- Use protective gloves for cleaning/disinfection.
- Dispose of fluids such as blood and secretions and the parts contaminated with them in accordance with internal hospital guidelines.
- These are general recommendations only that may be adjusted individually, based on the hospital's specific directives and cleaning practices.

8.2. Cleaning and sterilization of suction unit and trolley surface.

Comply with the hygiene regulations and protect your eyes and skin when working with disinfectants. Do not clean the surfaces of the housing with solvents that contain hydrocarbon (e.g. benzene, diluent). Do not immerse the suction unit in water or other liquids. This can damage the device, and cause electrical shock resulting in injury to persons.

Wear protective gloves for cleaning (disinfection).

Use a cloth or sponge that is dampened with a mild detergent (hand dishwashing liquid or similar) to clean the external surfaces of the suction unit. Use a cloth or sponge dampened with water and wipe the surfaces again.

Dry the surfaces using a clean cloth or a paper towel.

For disinfection of the surface of the device we recommend to use one of the following tested disinfecting agent: Chirozan, Chloramine B, Desam Extra, Desam OX, Savo Prim (producer: Bochemie, Czech Republic, www.bochemie.cz). Follow strictly the user instructions of the manufacturer of the disinfectant. Restart the device only after the disinfectant has completely evaporated.

WARNING

Should liquids have penetrated into the device, it must be inspected by an authorized service technician before being used again

8.3. Cleaning and sterilization of jars, hoses, catheter containers

Remove the septic fluid form jars in accordance with the operator guidelines.

Cleaning, disinfection, sterilization:

1. Disassemble the parts of the jar and the lid.
2. Lay the parts under a decontaminating or pre-disinfecting solution (respecting manufacturers' protocols concerning dilutions, soaking times, rinsing and drying processes).
3. Clean individual parts (do not use abrasive accessories), rinse thoroughly, and dip in clear water during 1 minute, then dry.
4. Sterilize or disinfect, respecting manufacturers' protocols (disassembled parts, jar in vertical position, upside down, do not place anything on top of jars).
5. Reassemble all the parts together.

Table temperatures during autoclaving:

Material	Max. temperature °C
Polycarbonate	121
Polysulfone	134
Amorph copolycarbonate APEC	143
Silicone hose	121

For disinfection we recommend to use one of the following tested disinfecting agent: Chirozan, Chloramine B, Desam Extra, Desam OX, Savo Prim (producer: Bochemie, Czech Republic, www.bochemie.cz). Follow strictly the user instructions of the manufacturer of the disinfectant. If you use disinfecting agents of other manufacturers follow the procedures of the respective manufacturer, but it is necessary to check the suitability of their use in order to prevent damage of jars.

WARNING: you need to check compatibility of disinfectants used in polycarbonate and polysulfone.

Products containing:

Amphoteric components, glutaraldehyde, formaldehyde, aldehyde, glyoxal, succinic acid, phenols, amino acids, isopropyl alcohol

not compatible with polycarbonates and polysulfones - jars may cause cracking. Be careful also not to use products designed for floors and surfaces.

After cleaning and disinfecting all parts must be carefully examined for any possible damage, deformation and cracks. Damaged parts must be exchanged.

8.4. Small faults correction, unit trouble shooting

As each unit of our company, also MEVACS suction unit was tested and found trouble-free. Despite that fact some faults can occur, which follow either from blocking protection systems or from incorrect use.

For better orientation the faults, you can correct yourselves, are shown in the following table.

Damage symptom	Possible reason	Repairing action
Vacuum pump engine does not operate	• Switch is not on	• Push the button - unit is ON (pushbutton lights)
	• Power supply	• Repair electric socket into the room
	• Suction unit is not connected	• Connect a power cord into the suction unit
	• Fuses	• Replace fuses into the suction unit socket
Inadequate sucking	• Vacuum pump engine is damaged	• Call service technician
	• Leakage into the vacuum pump or inner suction perimeter	• Determine failure source according to point 6.4.1. Call service technician.
	• Hoses are damaged or set up incorrectly	• Control and push hoses
	• Glazed filter	• Replace the filter
	• Damaged filter body	• Replace the filter
	• Damaged connectors or "O" rings on the jar lid	• Replace a jar lid, call service technician
• Damaged gasket into the jar lid	• Replace a jar lid, call service technician	
• Damaged jar, ripped or torn boundaries	• Replace the jar	
Vacuum pump engine operates, however a suction unit does not suction and vacuum-meter displays vacuum	• Leech safety float into the vessel lid	• Turn the suction unit off and disconnect a hose carefully from the suction unit socket
	• Hoses blocking into the inner suction system	• Determine failure source according to point 6.4.1. Call service technician.
	• Absorbed liquid into the hydrophobic filter	• Replace the filter

- Since it is not possible to specify all possibilities of faults, which can occur during the unit operation, in case of not specified faults contact either qualified persons of service company, or directly the manufacturer:

MEDIST s.r.o., Petrusovskeho 4, 06601 Humenne, Slovakia
tel./fax +421-57-7753276, e-mail:medist@medist.sk

8.5. Regular check

Suction unit MEVACS is no service-needed device. We recommend perform regular check minimally once a year for mistake-free operation. Only service technicians can perform check and repair. They have authority from the company MEDIST s.r.o., Humenne.

9. Main groups, subgroups, components and spare parts that may be exchanged by the user

	<p>Suction hydrophobic microbiologic filter ϕ65mm/8mm (2200-02 / M03.1.003) (No: 42101.01)</p>		<p>Silicone hoses transparent, autoclavable (int. diameter thickness) 8 x 3 mm (No: 40100.00) 6 x 3 mm (No: 40100.01)</p>
		<p>1,0 L jar CM with lid (No: 42011.01) 1,0 L jar CM without lid (No: 42001.22) 2,0 L jar CM with lid (No: 42011.02) 2,0 L jar CM without lid (No: 42001.23) 1,0L / 2,0 L lid CM (No: 42001.24)</p>	
		<p>1.0 L jar CM with lid – APEC, 143°C (No: 42011.29) 2.0 L jar CM with lid – APEC, 143°C (No: 42011.30) 5.0 L jar CM with lid – APEC, 143°C (No: 42011.31) 1.0 L jar CM without lid – APEC, 143°C (No: 42011.57) 2.0 L jar CM without lid – APEC, 143°C (No: 42011.58) 5.0 L jar CM without lid – APEC, 143°C (No: 42011.59) 1,0L / 2,0 L lid CM - APEC – complete (No: 42011.61) 5.0L lid CM - APEC – complete (No: 42011.60)</p>	
	<p>1,0 L jar TM long with lid (No: 42011.08) 1,0 L jar TM without lid (No: 42001.18) 1,0L lid TM (No: 42001.19)</p>		<p>4,0 L jar TM with lid polycarbonate (No: 42011.12) polysulfone (No: 42011.10) 4,0 L jar TM without lid, polycarbonate (No: 42001.27) polysulfone (No: 42001.17) 4,0 L lid TM, (No: 42001.28)</p>
		<p>1,0 L jar TM short with silicone lid polycarbonate (No: 42011.28) polysulfone (No: 42011.17) 1,0 L jar TM short with metal lid polycarbonate (No: 42011.27) polysulfone (No: 42011.16) 1,0 L jar TM short without lid polycarbonate (No: 42001.54) polysulfone (No: 42001.32)</p>	

	<p>2,0 L jar TM with silicone lid polycarbonate (No: 42011.15) polysulfone (No: 42011.13)</p> <p>2,0 L jar TM with metal lid polycarbonate (No: 42011.14) polysulfone (No: 42011.21)</p> <p>2,0 L jar TM with pressure lid polycarbonate (No: 42011.11) polysulfone (No: 42011.09)</p> <p>2,0 L jar TM without lid polycarbonate (No: 42001.29) polysulfone (No: 42001.16)</p>
	<p>1,0L / 2,0L lid TM silicone (No: 42001.34) 1,0L / 2,0L lid TM metal (No: 42001.35) 1,0L / 2,0L lid TM pressure (No: 42001.20)</p>
	<p>Disposable vacuum bag MONOVAC with mechanical safety valve 0,8 L (No: 42002.02) 1,4 L (No: 42002.01)</p> <p>Disposable vacuum bag MONOVAC with hydrophobic filter 0,8 L (No: 42002.11) 1,4 L (No: 42002.03)</p>
	<p>Safety jar complete (No: 73001.35) Safety jar (No: 42001.62) Safety jar lid (No: 73001.36)</p>
	<p>SERRES suction canister, transparent, autoclaved 1 L (No: 42001.44) 2 L (No: 42001.45) 3 L (No: 42001.46)</p>
	<p>1 L suction unit, disposable (No: 42002.06) 2 L suction unit, disposable (No: 42002.04) 3 L suction unit, disposable (No: 42002.07)</p>

10. Disposal

The suction unit MEVACS is made of metals and plastics.

Device and accessories must be decontaminated prior to disposal as secretion residuals could lead to endanger other persons.

The device may not be disposed in domestic waste.

Please observe existing national laws and rules for disposal of old devices.

If you require other accessories, MEDIST, s.r.o. is ready to realize your requirements. Please contact us.