CLEMENTS

proven through performance

ACeevac
High Vacuum High Flow
Portable Suction Pump
SUC 81025
220-240 V~ 50 Hz

User Manual

Manual No. SUC 81025 008
Issue 3

Safety

Thank you for purchasing this Clements ACeevac High Suction Pump.

For your safety it is imperative that this unit only be operated by authorised personnel in accordance with the instructions as described in this manual. Operated in this way, the ACeevac High Suction Pump will provide the standard of service specified.

Due to continual improvements in product design, the ACeevac High Suction Pump may vary in detail from the descriptions in this manual. In the event of further questions please contact your local distributor or ICU Medical Australia direct.

Familiarise yourself with these *Directions for Use* before operating this device.

User Manual
ACeevac High Suction Pump
Manual Number SUC 81025 008 Issue 3 2021-02

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Description

The Clements ACeevac High Suction Pump is a compact, portable unit designed to suit the needs of hospitals, doctors' surgeries and paramedics in providing a strong source of suction for use in indoor environments where mains power is available.

Identification

SUC 81025 ACeevac High Vacuum / High Flow Portable Suction Pump

Intended Use

To provide a continuous vacuum source, within the stated operating vacuum range, for the aspiration of fluids and particulate matter in medical procedures carried out by clinically trained and authorized personnel.

Contraindications

Before using the ACeevac, consult the instructions for use.
Failure to follow instructions in this manual could cause harm.
Do not use for thoracic or low vacuum drainage.
Do not use the ACeevac for suctioning of explosive, corrosive or easily flammable fluids.
ACeevac is not suitable for MRI. Do not place in the ACeevac pump MRI environments.

Pump Classifications

GMDN	63642
GMDN Term	Surgical suction pump
GMDN Synonym	Aspirator
Device Class	Class IIa (Rule 11)
Electrical Protection	Class II
Protection	Type BF Applied Part
Sterilisation	Not supplied in sterile state
Anaesthetic Rating	NOT Category AP NOT Category APG
Operation Mode	Continuous operation

Jar Classifications

GMDN	44943
GMDN Term	Suction System Canister, Reusable
Device Class	Class I (Rule 1)
Sterilisation	Not supplied in sterile state

Specifications

Maximum Vacuum	-80 kPa [-600 mmHg]
Maximum Flow	21 L/min (through jar) 32 L/min (free air)
Mains Power Requirement	220 - 240 V~ 50 Hz 110 VA
Fuse	F1.6A L 250V
Status Indicator	Green neon lamp in On/Off switch indicates power available status
Pump	Piston type
Motor	PSC AC motor
Filter	Disposable hydrophobic and bacterial filter BFE 99.9999%, VFE 0.027 micron
Collection Container	1 litre autoclavable, shatterproof plastic jar Optional 2 litre autoclavable, shatterproof plastic jar Optional 1 litre disposable liner jar Optional 2 litre disposable liner jar
Overfill Protection	Float valve mechanism
Vacuum Control	Needle valve
Gauge	Bourdon tube type. Dual scale.
Gauge Range	0 to -100 kPa graduated at 5 kPa 0 to -760 mmHg graduated at 50 mmHg
Weight	3.6 kg
Dimensions	360L x 215W x 195H mm
Standard Conditions	25°C, Sea level, 100kPa

Package Contents

The Clements ACeevac package contains:

- ACeevac portable suction pump
- Silicone 8 x 14 mm medical suction tubing; 18cm x2, 150cm x1
- 1 litre reusable collection jar with lid assembly
- 2-Pin AU plug to IEC 320 power lead
- Disposable antibacterial/hydrophobic filter
- Stepped conical tubing connector

Environmental Conditions

Environmental conditions for operation, transportation and storage are shown in the following table. In addition, for vehicular transportation, the unit should be kept upright.

State	Parameter	Minimum	Maximum
Operating	Temperature	5ºC	35ºC
	Humidity	10% RH	93% RH
	Barometric Pressure	700 hPa	1060 hPa
	Altitude	0 m	2000 m
Transport and Storage	Temperature	-25ºC	70ºC
	Humidity	0% RH	93% RH
	Barometric Pressure	500 hPa	1060 hPa

Symbols

	General warning
	Consult user manual
	Type BF Applied Part (suction cannula)
	Insulation Class II (double insulation)
~	Alternating current
Hz	Mains power frequency
	Off
|	On
CE 0123	CE Mark in conformity with CE MEDDEV directive 93/42/EEC and subsequent changes
	Manufacturer
REF	Model / Reference Number
LOT	Lot / Batch Number

Symbols

	Serial Number
	Fragile
	Relative Humidity
	Keep Cool / Keep out of direct sunlight
	Temperature Range
	Atmospheric Pressure Range
	C-Tick Mark
	Dispose of electrical product according to requirements of WEEE directive
IP21	Degree of protection against intrusion by body parts or objects an against ingress by water. 1st Digit - Penetration of Solids 2 = Protected against solids > Ø 12.5 mm 2nd Digit - Penetration of Liquids 1 = Protected vertical dripping water

Cautions

Usage

1. Use only for the specified *Intended Use*.
2. Do not use near flammable substances such as oxygen or anaesthetic gases.
3. Home care use is restricted to home carers and physically and mentally competent adults.
4. In home care use, keep accessories out of reach of infants as small parts can present a choking hazard.

Fluids

1. Keep device clear of water and other fluids. Do not handle pump with wet hands.

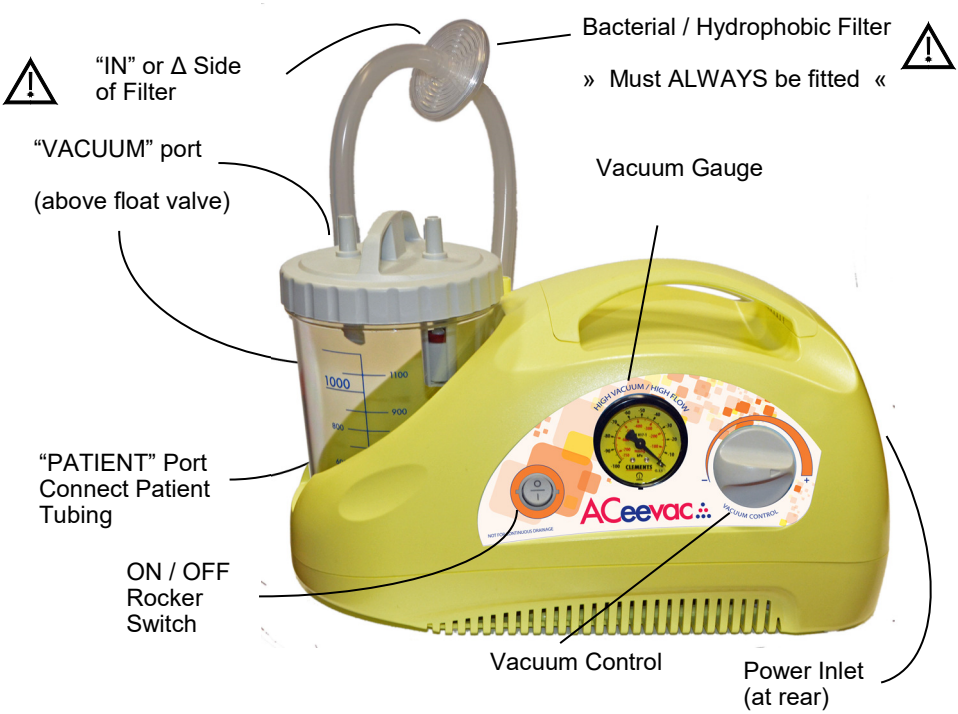
Electrical

1. Use only the supplied power cord.
2. Confirm that electrical rating of rating label matches that of the mains power. Avoid the use of power boards and extensions.
3. Maintain clear access to the mains power outlet to facilitate disconnection.
4. Place pump clear of patient and other electronic equipment.
5. When not in use, disconnect from power supply.
6. Do not pull cable to remove plug from mains power outlet.

General

1. Check the pump and fittings for damage before each use.
2. Do not use without the bacteria/hydrophobic filter correctly fitted.
3. Switch off pump *immediately* if overflow float valve is actuated.
4. After use, clean and store away from heat, dust and sunlight.

Pump Controls



Operation

1. Place the pump on a flat stable horizontal surface.
2. Connect a short length of silicone tubing from the jar "VACUUM" port to the "IN" (or directional arrow symbol) side of the bacterial/hydrophobic filter. Connect a short length of silicone tubing from the other side of the filter to the pump inlet.
3. Connect the long silicone tubing to the jar "PATIENT" port.
4. Connect supplied power cord to power socket at rear of pump. Connect power cord to compatible mains outlet.
5. Press switch to turn on pump. (Press again to turn off.)

6. Occlude tubing and adjust vacuum control to the required vacuum level. (Clockwise = increase)

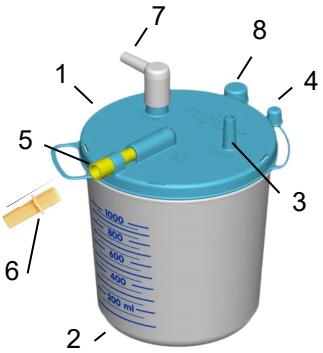
⚠ *Always reduce the vacuum level for paediatric and neonatal patients.*

7. Apply suction to patient with compatible suction cannula.
8. When finished, switch off pump by pressing switch.

⚠ *Ensure that the mains power plug is accessible at all times when pump is in use, in case a positive disconnection from the mains power supply is required.*

Using FLOVAC Disposable Liners

1. Remove liner from package and extend liner from lid.
2. Insert liner bag [1] into the matching size support jar [2].
   Press edge of lid firmly all around edge to ensure seal.
3. Close the TANDEM inlet [3] with the attached cap [4].
4. Fit jar assembly into pump.
5. Press short end of yellow reusable nipple [6] firmly into matching yellow port [5] on the lid.
6. Push tubing from filter onto yellow nipple [6].
7. Connect patient tubing to white inlet elbow [7]. Connect patient tubing to suitable suction cannula.



Note: For disposable jars **only**, that have a hydrophobic and antibacterial filter built-in to the lid, connection may be made directly to the pump inlet nipple.
For reusable jars, connection **must** be made through an inline hydrophobic and antibacterial filter.

Disposable Liner Disconnection

1. Switch off pump.
2. Disconnect white elbow together with patient tubing from “PATIENT” port and close port firmly with attached cap [8].
3. Disconnect yellow nipple [6] from “VACUUM” port [5].
4. Ensure that “TANDEM” port [3] is firmly closed with attached cap [4].
5. Carefully remove liner from support jar using lid handle and dispose of according to local protocols for potentially biohazardous waste.

Suction Accessories

The device and its accessories are biocompatible in accordance with EN 60601-1.

Suction Cannulae

Suction cannulae or suction probes for contact with the human body should comply with ISO 10993-1 requirements for biocompatibility.

Collection Jar (Canister)

The mechanical strength of the reusable collection jar (canister) is guaranteed for 30 cycles of cleaning and sterilization. Beyond this, the there may be signs of decay and replacement is recommended.

Silicone Tubing

The number of cleaning and sterilization cycles of the silicone tubing is dependent on the actual usage. Tubing should be checked for cracking and other visible signs of wear before re-use.

Cleaning

After Each Operation

Empty Reusable Collection Jar

1. Switch off pump.
2. Disconnect tubing from jar “PATIENT “ port.
3. Disconnect tubing from jar “VACUUM” port.
4. Carefully remove jar from pump and dispose of aspirated fluid according to local protocols for potentially biohazardous waste.

Clean

Housing
Wipe clean with a damp soapy cloth. Do not immerse or allow liquid to enter the housing. Do not use abrasive cleaning agents.

Suction Tubing
Suction Tubing should be sterilised with sterilants determined by local protocols and compatible with silicone tubing. Suction tubing may be autoclaved to a maximum of 121°C for 15 minutes. At higher temperatures the suction tubing will discolour and lose shape.

Collection Jars
Place jars upright or up-side-down in autoclave - **not on their sides**. Autoclave to a maximum of 121°C for 15 minutes. Do not use phenolic solutions as disinfecting agents in polycarbonate jars.

Lid
Unlock bayonet on float cage by rotating cage *clockwise*.
Disconnect float cage and float from lid and separate seal from lid.
Place all items upright or up-side-down in autoclave - **not on their sides**. Autoclave all items to a maximum of 121°C for 15 minutes.

Check Bacteria Filter

The bacterial/hydrophobic filter is an important device to help protect the pump and environment from moisture and bacteria taken from patient airways. Clements recommend that the filter be changed every month or when damp or discoloured.

Change after every use when the unit is used on infectious patients.

After Every 100 Hours or 2 Months of Operation

- Check all suction tubing and replace if it is perished, soft or discoloured. Also check the tubing connectors.
- Check the seal ring on the lid and replace if hard, cracked or perished. Check the fit of the lid in the collection jar (canister).
- Check the overflow cut off valve seal and replace if perished or damaged.

Waste Materials

The contents of the collection jars, suction tubing, bacteria filter, internal exhaust filter may contain biohazardous wastes. Handle using safe handling procedures, which may include the use of rubber gloves and eye protection, and dispose of according to local protocols for biohazardous materials.

Recycling

At the end of their service life, the pump and accessories should be dismantled if necessary, and disposed of according to the WEEE directive.

Spare Parts

SUC 81025 008	User Manual for SUC81030 Ceevac Suction Pump
SUC 81025 029	Pump, Motor Unit, 240V 50Hz, ACeevac, Piston
SUC 81025 034	Switch, ON/OFF for ACeevac
SUC 81030 001	Kit, 1L Reusable Collection Jar (Pack 1)
SUC 81030 005	Support Jar for FLOVAC Disposable 1L Liner
SUC 81030 007	Support Jar for FLOVAC Disposable 2L Liner
SUC 81030 009	Kit, Seal, Lid, 1L / 2L Reusable Jar (Pack 2)
SUC 81030 010	Kit, Lid Assembly for 1L / 2L Reusable Jar
SUC 81030 012	Kit, Filter Bacteria/Hydrophobic (Pack 10)
SUC 81030 013	Kit, Silicone Tubing Set, Joiner (Pack 1)
SUC 81030 018	Kit, Vacuum Control for Ceevac/ACeevac
SUC 81030 020	Gauge, Vacuum 0 to -100 kPa for Ceevac/ACeevac
SUC 81030 042	Kit, 2L Reusable Collection Jar (Pack 1)
SUC 81030 121	Kit, 1L FLOVAC Disposable Liner (Pack 50)
SUC 81030 122	Kit, 2L FLOVAC Disposable Liner (Pack 50)
SUC 81030 132	Support Jar for FLOVAC Disposable 2L Liner
SUC 84500 033	Nipple, Yellow for FLOVAC Disposable Liner

Troubleshooting

1. The Pump Fails To Operate

- Check that the mains power supply lead is firmly connected and that the power is on at the mains power supply outlet.
- Check fuse as detailed below.
- Ensure that the Vacuum Gauge on the Control Panel indicates zero. If not, release vacuum and switch pump off and on.

2. Pump Running But No Vacuum

- Check that all fittings are connected tightly.
- Turn the vacuum controller knob on the control panel and watch the indicator on the vacuum gauge.
- Ensure that the silicone medical suction tubing is in good condition and not old or cracked.
- Check the type of handpiece in use as some handpieces require finger occlusion or trigger release to allow suction.
- Check bacteria/hydrophobic filter.

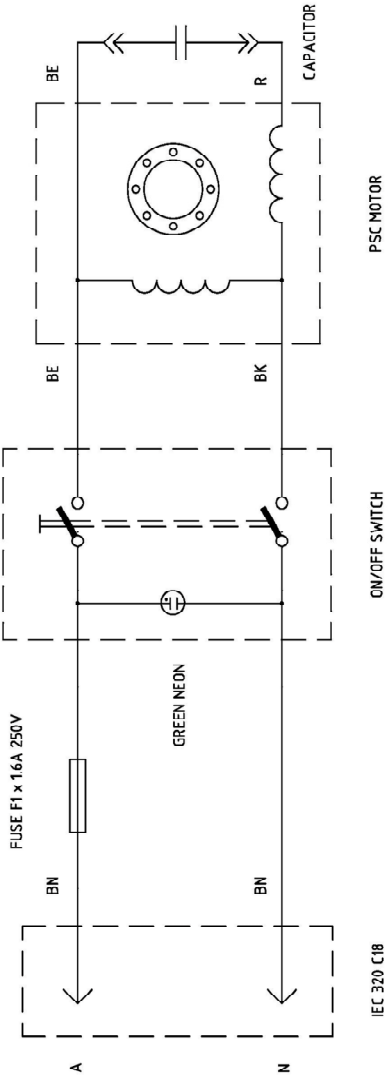
If the pump fails to work and you are unsure why, contact your service department or return unit to your distributor.

Fuse Replacement

The ACeevac is fitted with a fuse located in a fuse holder that is externally accessible

1. Disconnect the pump from the mains power supply.
2. Locate the fuse holder which is mounted on the rear side of the unit at the lower right-hand side.
3. Pull out the fuse holder.
4. Remove the old fuse and inspect. If blown, replace it with a new fuse of the same rating.
5. Replace the fuse holder cover.

Wiring Diagram

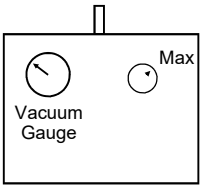


Setup for Diagnostic and Performance Testing

Note that the following arrangements are not used for actual suctioning applications. They are specified to remove unnecessary variations when diagnosing faults and as a standard setup for performance measurement.

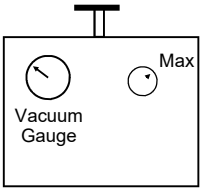
Vacuum Check

1. Unoccluded - zero check



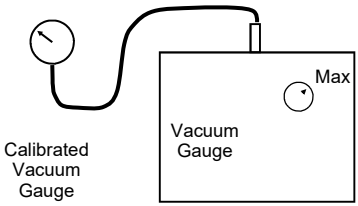
Disconnect all items from inlet and with pump switched off, confirm that gauge reads zero. A non-zero reading indicates a faulty gauge.
Set vacuum control knob to maximum, switch on pump and confirm that gauge reads zero. A non-zero reading indicates obstruction in internal tubing or connections.

2. Occluded - vacuum check 2.



Switch on pump and occlude inlet. Note maximum vacuum reading.

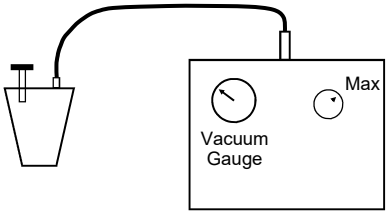
3. Occluded - gauge check



Connect a calibrated vacuum gauge directly to inlet and repeat maximum vacuum reading.
Confirm that pump gauge reads within the specified tolerance.

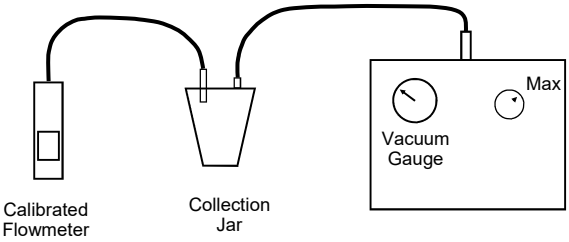
Flow Check

1. Occluded - leak check



Connect pump as shown in diagram. Set vacuum control knob to maximum, and switch on pump. Occlude jar inlet and confirm that pump achieves the same maximum vacuum as in the previous vacuum check setup . Any difference indicates leaks in jar or connections.

2. Unoccluded - flow check



Connect pump as shown in diagram. Set vacuum control knob to maximum, and switch on pump. Connect jar inlet to calibrated flow meter and note flow reading.
If flow is significantly below specification, check internal tubing and pump itself (or internal shutoff valve if fitted).

IMPORTANT
There are no user-serviceable components inside. Maintenance must be carried out by qualified personnel only.

Periodic Safety Check

The following safety checks should be performed at least every 12 months by a qualified person who has adequate training, knowledge, and practical experience to perform these tests.
** Inspect the equipment and accessories for mechanical and functional damage.*
** Inspect the relevant safety labels for legibility.*
** Verify that the device functions properly as described in the instructions for use.*
** Perform electrical safety check.*

Equipment Return for Repair

Before returning the ACeevac for repair, the external surfaces and any accessories **must** be carefully disinfected with a cloth soaked in methylated spirits or hypochlorite-based solution. The pump and any accessories should then be placed in a bag with a note outlining the disinfection undertaken. *Failure to follow this procedure will result in the pump being returned unrepaired.* Equipment returned for repair **must** be accompanied by a description of the problem. Unless specifically requested, return the pump and power cable only, excluding accessories such as jar, filter and tubing.

EMC Information Tables per EN 60601-1-2:2014.

In accordance with EN 60601-1-2:2014 Medical electrical equipment - Part 1-2: General requirements for safety - Collateral standard: Electromagnetic compatibility - Requirements and tests
1) “Medical Electrical Equipment needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in the Accompanying Documents” (the following tables).
2) “Portable and Mobile RF Communications Equipment can affect Medical Electrical Equipment.”
3) “The equipment or system should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, the equipment or system should be observed to verify normal operation in the configuration in which it is used.”
The following tables provide information regarding the EMC characteristics of this Medical Electrical Equipment.
The performance of all functions of the ACeevac suction pump are considered essential performance for the purpose of electromagnetic immunity.

Guidance and manufacturer’s declaration - Electromagnetic emissions		
The ACeevac suction pump is intended for use in the electromagnetic environment specified below. The customer or user of the ACeevac suction pump should assure that it is used in such an environment.		
Emissions Test	**Compliance**	**Electromagnetic environment - guidance**
Irradiated / Conducted Emissions CISPR11	Group 1	The ACeevac suction pump uses RF energy only for its internal functioning. Its RF emissions are very low and will not cause interference in proximity of any electronic appliance.
Irradiated / Conducted Emissions CISPR11	Class B	The ACeevac suction pump is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic Emissions IEC 61000-3-2	Class A	
Voltage fluctuations / flicker emissions IEC 61000-3-3	Complies	

Guidance and manufacturer's declaration – Electromagnetic Immunity			
The Ceevac suction pump is intended for use in the electromagnetic environment specified below. The customer or the user of the Ceevac suction pump should ensure that it is used in such an environment.			
Immunity Test	**Level indicated by EN 60601-1-2**	**Compliance Level**	**Electromagnetic environment - guidance**
Electrostatic discharge (ESD) EN 61000-4-2	± 8 kV on contact ± 15 kV in air	The device doesn't change its state	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient / burst EN 61000-4-4	± 2 kV power supply lines ± 1 kV for input / output lines	The device doesn't change its state	Mains power quality should be that of a typical commercial environment or hospital.
Surge EN 61000-4-5	± 1 kV differential mode	The device doesn't change its state	Mains power quality should be that of a typical commercial environment or hospital.
Loss of voltage, brief voltage interruptions and variations EN 61000-4-11	5%U_T (>95% dip U_T) for 0.5 cycle 40%U_T (>60% dip U_T) for 5 cycle 70%U_T (>30% dip U_T) for 25 cycle <5%U_T (>95% dip U_T) for 5 sec	-	Mains power quality should be that of a typical commercial environment or hospital. If the user of the Ceevac suction pump requests that the appliance operates continuously, the use of a backup supply is recommended.
Magnetic field EN 61000-4-8	30 A/m	The device doesn't change its state	The power frequency magnetic field should be measured in the intended installation location to assure that it's sufficiently low.
Note U_T is the nominal value of the power supply voltage			

Guidance and manufacturer's declaration – Electromagnetic Immunity

The ACeevac suction pump is intended for use in the electromagnetic environment specified below. The customer or user of the ACeevac suction pump should assure that it is used in such an environment.

Immunity Test	Level indicated by EN 60601-1-2	Compliance Level	Electromagnetic environment - guidance
Conducted Immunity EN 61000-4-6	3 Vrms 150 kHz to 80 MHz (for non life-supporting devices)	V_1 = 3 Vrms	The portable and mobile RF communication devices, including cables, must not be used closer to the ACeevac suction pump, than the separation distance calculated by the equation applicable to the transmitter frequency. $d = [3.5/V_1]\sqrt{P}$ $d = [12/E_1]\sqrt{P}$ from 80 MHz to 800MHz $d = [23/E_1]\sqrt{P}$ from 800 MHz to 2.5GHz where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and *d* is the recommended separation distance in metres (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol.
Radiated Immunity EN 61000-4-3	10 V/m 80 MHz to 2.7 GHz (for non life-supporting devices)	E_1 = 10 V/m	

Note 1: At 80 MHz and 800 MHz the interval with the highest frequency is applied.
Note 2: These guide lines may not be applicable in all situations. The electro-magnetic propagation is influenced by the absorption and by reflection from buildings, objects and people.

The field intensity for fixed transmitters such as the base stations for radiotelephones (mobile and cordless) and terrestrial mobile radio, amateur radio devices, radio AM and FM transmitters and TV transmitters cannot be theoretically and accurately foreseen. To establish an electro-magnetic environment generated by fixed RF transmitters, an electro-magnetic study of the site should be considered. If the field intensity measured in the place where the device will be used surpasses the above mentioned applicable level of conformity, the normal functioning of the device should be monitored. If abnormal performance arises, additional measures such as changing the device's direction or positioning may be necessary.

The field intensity on an interval frequency of 150 kHz to 80 MHz should be less than 10 V/m.

Separation Guidance Table

Recommended separation distances between portable and mobile RF communications equipment and the device

The ACeevac device is intended to operate in an electromagnetic environment where RF irradiated interferences are under control. The client or operator of the ACeevac device can help prevent electromagnetic interference by keeping a minimum distance between portable and mobile RF communication devices (transmitters) and the ACeevac device, as recommended below, according to the maximum output power of the communications equipment.

	Separation distance from the frequency transmitter (m)		
Maximum nominal output power of the transmitter W	150 kHz to 80 MHz d = [3.5/V1] √P	80 MHz to 800 MHz d = [12/E1] √P	800 MHz to 2.7 GHz d = [23/E1] √P
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For transmitters with a maximum nominal output power not shown above, the recommended separation distance in metres (m) can be calculated using the equation applicable to the transmitter frequency, where P is the maximum nominal output power of the transmitter in Watt (W) depending on the transmitter's manufacturer.
Note 1: At 80 MHz and 800 MHz the interval with the highest frequency is applied.
Note 2: These guide lines may not be applicable in all situations. The electromagnetic propagation is influenced by the absorption and by the reflection from buildings, objects and people.

Notes

Warranty

ICU Medical Australia Pty Limited ("ICU Medical Australia") warrants that this product is free from defects in workmanship and materials for a period of 24 months (3 months for batteries) from the date of shipment by ICU Medical Australia or its authorised agent to the purchaser. Subject to the conditions of this warranty, if the product fails to operate for any reason within the warranty period and the product is returned to the place of purchase at the purchaser's expense, ICU Medical Australia will repair or replace the product free of charge.

If a valid warranty claim is made within 30 days from the date of shipment, then ICU Medical Australia will also reimburse the purchaser for reasonable freight costs in returning the product to the place of purchase.

Conditions of Warranty

1. The product must be returned to the place of purchase with proof of purchase.
2. This warranty is only available to the original purchaser of the product.
3. The product must not have had its serial number removed, defaced or changed, its casing opened, its power supply altered or have been tampered with in any other way.
4. This warranty does not cover :
   - inadequate or incorrect site preparation;
   - improper installation;
   - connection to the wrong voltage;
   - failure of the product due to misuse;
   - the use or operation of the product outside of the physical, electrical or environmental specifications of the product;
   - use in a manner or environment in which the product is not designed to be used;
   - improper adjustment, calibration or operation by the purchaser;
   - the use of accessories including consumables, hardware or software which were not manufactured or approved in writing by ICU Medical Australia;
   - any modifications of the product which were not authorised in writing by ICU Medical Australia;
   - any contamination or leakages caused or induced by the purchaser; and
   - inadequate or improper maintenance of the product.
5. This warranty does not cover normal wear and tear.
6. ICU Medical Australia will not be responsible for damage or loss caused during shipping.

7. In Australia, apart from any warranties implied by the Trade Practices Act 1974 all other warranties expressed or implied and whether arising by virtue of statute or otherwise are hereby excluded.
8. Outside Australia, all other warranties expressed or implied and whether arising by virtue of statute or otherwise (including any warranties implied by the Vienna Convention) are hereby excluded.
9. ICU Medical Australia's obligations under this warranty are limited to the repair or replacement of the product, within the terms of this warranty and the total liability of ICU Medical Australia for loss or damage of every kind whether arising pursuant to the terms of the sale of the product or otherwise in connection with the product is limited to the amount paid by the purchaser to ICU Medical Australia for the product.
10. Apart from any liability imposed by Part VA of the Trade Practices Act, ICU Medical Australia accepts no other liability for any loss or damage occasioned (including consequential loss or damages) in any way as a result of the use of the product.
11. The warranty does not extend to cover damage to the following parts as they are inherently prone to wear :

    • motor brushes

12. This warranty does not extend to cover corrosion due to any cause nor to any damage to painted or anodised surfaces.
13. ICU Medical Australia will give the purchaser the benefit of any manufacturer's warranty in respect of any components in the product which were not manufactured by ICU Medical Australia, if such a manufacturer's warranty is available.