DX Series Aspirator
Instruction Guide

DX – 12
DX – 18
DX – 24

CE 0123

MDD : 93/42/EEC

1. Introduction

1.1 Notes on operating instructions

These operating instructions contain important notes on how to operate the DX Series Aspirator Safely, correctly and effectively. Their reading helps to avoid risk, and also to reduce repair costs and down-time. That increases amongst other things, the reliability and service-life of the device. These operating instructions serve not only for new operating personnel to be instructed in its use, but also for use as a reference manual.

These operating instructions must always be kept available near the device.

Care and safety inspections in conjunction with professional execution provide for operational safety and readiness for use of your DX Series Aspirators and are therefore a must besides regular cleaning.

Repair work and safety inspections may be carried out only by expert personnel authorized by. By applying only original spare parts you will have the guarantee that operational safety, readiness for work and the value of your DX Series Aspirator will be preserved

●The product DX Series Aspirator bears CE marking CE according to the EU guideline of the council for medical products 93/42/EWG and meets the basic requirements of annex l of this guideline

●The quality management system applied at has been certified according to international standards EN ISO 9001 and EN ISO 13485.

●Prior to start-up please peruse chapter 2.0 “for your safety”, in order to be prepared for any possible dangerous situations

●These operating instructions correspond to the design of the DX Series Aspirator and the status of basic safety engineering standards on going to press

●Reproduction of these instructions - even in part - only with the written permission of

●Subject to alterations and changes

These operating instructions are valid for the following devices:

●DX-12 Child Aspirator 1000ml Secretion container

●DX-18 Aspirator 1000ml Secretion container

●DX-24 Aspirator 1000ml Secretion container

Please store this document near the device for later use!

1.2 Function

The DX Series Aspirator is a very handy small suction unit. It is driven by an electromotive, maintenance-free diaphragm-type pump. During operation the pump generates a vacuum within the hose system and the collection jar. Thus sucking off secretions or fluids (e.g. By means of a suction catheter). The fluid is gathered in the collection jar. A mechanical overflow safety (on the inner part of the collection jai lid) avoids penetration of secretion into the pump head. The final vacuum and. Following, the air-flow rate can be adjusted by means of the fine control and the vacuum-gauge. The unit is equipped with a rechargeable battery (accumulator). Integrated microprocessor-based technology assures safe charging of the battery; overcharging is thus impossible. An over temperature stop controlled by electronics avoids overheating of the unit. A disposable bacterial filter plate integrated in the lid of the collection jar prevents bacteria and liquid from penetrating into the pump.

For DX Series:

The reusable secretion container is connected to the pump housing via direct-docking, without any pedestrian hose system. Only the suction hose has to be plugged in by the user.

Abacterial filter, located in the lid of the secretion container, avoids entering of bacteria and liquids into the pump interior. A mechanical over suction stop integrated in the container lid additionally avoids accidentally absorption of secretion into the pump head. DX Series Adoption ratings protection Respond to prepare the control stop the compressor revolves, exceeding the sum settle the machine seals to block up

1.3 Intended use

The DX Series Aspirator is used in medical ranges for the temporary and spontaneous suction of secretions and body fluids which typically occur with airway suction.

The fields of application are:

- In-patient and out-patient care, for secretion suction (sputum) body fluids and rinsing liquids.
- In geriatric nursing for secretion suction (sputum).body fluids and rinsing liquids as well as for spontaneous suction of foreign bodies, for example, after a foreign body aspiration.
- In home care for bronchial toilet on laryngectomy and tracheotomy patients (with tracheal cannula). Especially for aspiration of mucus. Sputum. Secretion and body fluids in tracheostoma patients.

The DX Series Aspirator may not be used:

●for drainages in low vacuum range (e.g. for thorax drainage;

●for suction procedures outside medical ranges (for the suction of inflammable, corrosive or explosive fluids/gases)

1.4 Scope of supply

●Prior to dispatch, this device was subjected to an extensive functional test and has been carefully packed. Nevertheless, please compare the contents of the shipment on completeness immediately upon receipt (see delivery note)

In addition to the basic device, the scope of delivery comprises the following parts:

DX Series

silicone suction hose Ø6mm, L=1.30m

hose connector (fingertip)

mains cable for 230V /50-60Hz

1.5 Extents of supply

●The transport of the device may be affected only in a dispatch carton upholstered and offering sufficient protection.

●Please document and report damages in transit immediately. For complaints or return deliveries, please use the enclosed form QD 434.

●The unit must be allowed to stand for up to six hours at room temperature prior to starting up for the first time following transport at temperatures below freezing. The unit may not be operated if it has not acclimatized as this might

damage its diaphragms.

●Ambient conditions:

Transport/Storage: -30 ---+50℃
5---90 % humidity
non-condensing
at air pressure 700---1060 hPa

Operation: +10---+30℃
20---80 % humidity
Non-condensing
at air pressure 700---1060 hPa

1.6 Explaination of symbols

Important information! Warning, Especial diligent notice! Protection class II Fuse	Application part type BF Serial number Order number Creation date	The CE sign shows that this product meets the appropriate requirements of the EU guidelines ON (feed-in, power connection) OFF(feed-in, power connection)

2. For your Safety

General safety information

●Prior to starting up the DX Series Aspirator read these operating instructions carefully,

●cannot guarantee perfect functioning neither will it be liable for damage to people or property if:

●Any non-original parts are used,

●the user instructions given in this manual are not followed exactly or are disregarded，

●Assembly, resetting, alterations, extensions and repairs are not carried out by people authorized by.

●No warranty rights shall exist in the event of damage or failure caused by the use of non- accessories or non-consumables

●Use transparent noses exclusively,

●The safety standard of the DX Series Aspirator corresponds with recognized medical technical regulations and the directions of the law relating to medical products

●The electrical outlet is in fact carried out tee, but the middle contact pin (normally ground wire connection) in the interior of the unit is not connected.

Danger of injury!

●Only persons instructed in medical use may apply the DX Series Aspirator to patients,

●The DX Series has been designed for aspirating body fluids in medical ranges. Never remove explosive gases and inflammable or corrosive fluids.

●Sterile packed parts may no longer be used if their packing was damaged during transport or Storage ⇨ Danger of infection for the patient

●The unit may not be operated in splash water range and in locations where there is a danger of explosion (zones M and G)

●The suction hose must never come into direct contact with the application site.

Always use a sterile suction catheter resp. a medical accredited aspiration set.

●This suction unit mat not be applied without disposable bacterial filter plate.

●Always remove the plug from the wall socket first in order to disconnect the unit from the mains. Only then may the connecting cable be disconnected from the unit:

●Before cleaning the unit,

●before the collection jar is evacuated,

●before leaving the room

Never pull at the cable!

Never touch the plug or cable with wet hands.

Danger to the device

●Prior to operation inspect the mains plug .Only operate the device when the mains plug is not damaged!

●The unit may not be started:

●If cables or plugs are defective,

●If it has been dropped down before,

●If obvious defects might restrict safe operation.

Prior to returning the device for repair, clean it...

●The unit may not be operated in splash water range and in locations where there is a danger of explosion (zones M and G).
●Pay attention to the ambient conditions descended in chapter 1.5 Transport and storage.
●Never plunge the unit into water, not even when it is switched off.
●Do not allow any liquid to get into the unit. If liquid has penetrated the unit. It may not be operated again until it has been checked by the customer service centre...
●The unit must be set up on a firm, level surface. The switched-on unit might get overheated if it is placed on an uneven surface (e.g. mattress, cushion, padded seat etc,).
●The main voltage specified on the type plate must match the power supply system.
●Never connect the unit to detective power sockets or extension cables. Avoid moisture on plug and switches.
●The unit Collection jar, mains cable, accessories, connection cables and hoses must be checked for damage prior to starting up Damaged cables and hoses must be replaced immediately.
Prior to use, check the unit functions.

3. setting up and starting

3.1 setting up

● set up the device on a level, firm surface.
AC-DC type of aspirator: Switches to the DC location that is the beginning of DC power supply. Switch to AC power cable and plug the power outlet of the host to connect power networks, namely the work of AC.
Battery charging methods: 1.Press the power switch in the "O" position, connect the power cord, and plug the other end to the indoor outlet, that is the beginning of charge, a charge time is greater than 150 minutes.
2.When the aspirator works in AC location, it's also charging the battery.

3.2 Operating elements

①Vacuum gauge
②Vacuum adjustment
③Shove blind for covering the operating elements
④Suction hose storage (accessory)
⑤Switch On I/Off O

3.3 Connection

The main voltage specified on the type plate must match the power supply system. Check mains cable for damages. Damaged cables must be replaced immediately!

3.4 Starting up

●The DX Series Aspirator is delivered ready for use.
●Lift the unit out of the cardboard. Check whether the voltage values on the data plate correspond with the in building voltage
●Set up the device on a level, firm surface.
●Prior to first operation. pay attention to the safety information in chapter 2.0
●The unit must be allowed to stand for up to six hours at room temperature prior to starting up for the first time following transport at temperatures below freezing. The unit may not be operated if it has not acclimatized as this might damage its diaphragms

4. General operation DX Series Aspirator

Prior to these notes please read the foregoing chapter of your respective version of the DX Series Aspirator!
Important notes on safety

●Attention: Suction procedures in the respiratory tract may only be implemented after appropriate instruction by hospital or special staff.

●Make sure that the collection jar is evacuated in time. As soon as the jar is half-filled, it must be emptied (this principle proves right in all application ranges).

●When the maximum level is exceeded, the overflow safety reacts and suction is stopped Empty the jar

●Check the vacuum readout regularly!

●If secretion has been soaked up into the pump due to improper use or manipula-tion, the device must be repaired from a service authorized by.

●For aspiration use only applicable suction catheters, attachments or a medical aspiration sets

●Whilst aspirating please pay attention to the filing level of the secretion container.

5. Operation DX Series Aspirator

●The device cannot be operated without bacterial filter over suction stop! Therefore always hold ready a replacement bacterial filter!

●Before each use check that the bacteria filter over suction stop is clear. And dry. Wet or dirty filters must be replaced with new ones the filter is no longer in optimum condition if the vacuum displayed is above-0.3 bar when the vacuum controller is in the "max." Position and the suction hose is open. The filter must then be replaced.

●Please use gloves when changing the bacterial filter! The bacterial filter / over suction stop is disposable.
Therefore the bacterial filter must be changed each time the device is used by another patient.
In the case the device is exclusively used in one patient, the filter must be exchanged at least every two weeks (depending on frequency of use).

●Vacuum connection Direct-Docking-System The vacuum connection between the pump and the collection jar is created automatically as soon as the jar is positioned correctly.

5.1container and bacterial filter

●With the collection jar on a firm surface, position the lid horizontally on top (the lid may not be twisted!).

●Press down lightly onto the collection jar using both hands until limit is reached.

5.2 Insertion of the container

●For removal, pull the collection jar horizontally outside: for insert it again, shift it horizontally onto the bacterial filter.

●Please fix the secretion container fixing clip from below with the supplied screw.

Tip If required the container can be ejected even easier from the device by means of a lever instrument.

5.3 Connect hose

●Press the required hose adapter with 6 or 10 mm diameter into the hole the collection jar lid twisting slightly to ensure a tight fit.

●Twist slightly in the same manner when removing.

* DX Series Aspirator will equipped with manual switches (Bluetooth remo
-te control) or pedal switches according to the specification and models of the products to control functions.
Details are in the packing list of products

6. Cleaning

6.1 Cleaning the unit's surfaces

If liquid has god into the unit, it may not be operated again until it has been checked by he authorized customer service centre.

●The surfaces of the DX Series Aspirator are resistant to all the surface disinfectants, nevertheless after any length of time discolorations could possibly develop.

●The unit itself can be wiped off with a moist cloth (not wet).

6.2 Empty the secretion container

● Never carry or lift the container on the lid!

Risk: Lid is loosening form the container.

●Pull the container out backwards.

●Lift-off the container lid.

● Empty container.

●Properly dispose of the sucked material.

●Pull out the suction hose and take the white swimming all out of the integrated over suction stop.

Clean the container in a dishwasher, by hand or autoclave it.

6.2.1 Cleaning the container parts

Cycles of reprocessing

●Collection jar and collection jar lid may be rinsed under running water or cleaned in an automatic cleaning device

●Silicone hoses and secretion container parts (container，lid, over suction stop) can be autoclaved(up to 134℃),Likewise these parts can be inserted in standard disinfection liquids Using the cleaning agent Neodisher AN(manufactured by Dr.Weigert,Hamburg) cleaning in a special dish-washer is also possible. The disposable bacterial filter plate muse be removed before cleaning.

6.3 Cleaning the rinsing container

-THE rinsing container may only be cleaned with a ph neutral cleaning liquid which does not contain the following ingredients: ammoniac, amines, amides, phenol derivates, anionic tenides.

-The disinfection is exclusively allowed with alcohol-based disinfecting liquid. The may not contain the following ingredients: aromatic hydrocarbons, ammonia, amine (e.g. Pursept-A.Fa.Merz Hyaiene)

-The rinsing container can be autoclaved at 134℃(min.5 cycles)

-Cleaning in a dishwasher is possible when using ph neutral cleaning liquids (min.5 cycles)

-Boiling the container is possible about 5 xs, or over a period of 1 h

6.4 Recommended disinfectants for instruments

Disinfectant	contents	(in 100 g)	Manufacturer
GIGASEPTFF (Application concentrate)	Succindialdehyde Dimethoxyteterahydrofuran e Corrosion inhibitors Non-ionic tensides and fragrances	11.0g 3.0g	Schülke & Mayr, Norderstedt
Sekusept PLUS (Application concentrate)	Glucoprotamine Non-ionic tensides Solvents, complexing agents	25.0g	Ecolab,Dusseldorf/ not for rinsing container
Mucozit-T (Application concentrate)	Bis(3-aminopropyl)laurylamine Alkyl dimethylbenzy1 ammonium chloride Cocospylendiamin-1.5-guanidiniumacetat	8.0% 19.0% 7.0%	Merz&CO,Frankurt /Main

6.5 Recommended disinfectants for surfaces

Disinfectant	Contents	(in 100g)	Manufacturer
TERRALIN (Application concentrate)	Benzalkonium chloride Phenoxypropanoles	20.0g 35.0g	Schülke & Mayr, Nordenrstedt
QUATOHEX (Application concentrate)	Didecyl dimethyl ammonium chloride Benzalkinium chloride Bi-guanidinium acetate Polymer biguanide Active cleaning substances	14.0g 10.0g 7.5g 0.5g	Braun.Meisungen
Incidin Plus	Glucoprotamine	26.0g	Ecolab,Dusseldort/not for rinsing container
(Application concentrate)	Non-ionic tensides Solvents, complexing agents		
Pursept-A (Disinfectant spray or disinfectant cloths)	Ethanol Glyoxal QAV	38.9g 0.1g 0.05g	Merz & Co.Frankfurt/M

Discoloration may result if disinfectants containing aldehydes and amines are used on the same object.

Important notes

General information

The way the suction device is used determines its reliability and safety. These hygiene measures are indispensable tor protecting the patient and the user and for maintaining a safe and reliable suction device.

These measures do not replace a reprocessing, performed by the manufacturer or by any certified partner before re-using the device on a new patient.

This cleaning and servicing plan as well as the relevant notes results from many years of experience. Depending on the use and the user s experience shorter intervals may be necessary.

recommends the following sets of consumables:

According to this cleaning and servicing plan the following consumables have to be changed:

bacterial filter2pcs.

float ball

fingertip 2pcs

Suction hose1.30m1 pc.

suction catheter, length: 50 cm, 6pieces

white Ø 4mm green 4 Ø.7mm orange Ø5.3mm

Disconnect the mains plug from the socket before commencing with cleaning and disinfection!

Please observe the notes in the operating instructions, especially regarding the recommended agents.

All parts (except bacterial filter and device, sterile parts and consumables) are autoclave-safe up to 130 ℃

Cleaning of the secretion container

Please empty the secretion container after each use, rinse it thoroughly with warm water and clean it with washing-up liquid. Tenacious contaminations can be removed with a standard bottle brush.

Cleaning of the container lid

The bacterial filter must be removed before cleaning, please use single-use

gloves or tweezers. Please demount the container lid after each use and rinse it thoroughly. The lid must be absolutely dry before reuse. Please pay attention to a correct function of the overflow safety when mounting the lid.

Bacterial filter

The bacterial filter prevents penetration of micro organisms and secretion into the device, respectively

blowing out from it and is therefore a protection for the user and the device. For hygienic reasons a weekly exchange is recommended, If the maximum vacuum is adjusted, the suction hose is open and the vacuum gauge shows a basic vacuum of> -0.3 bar, then the bacterial filter must be exchanged immediately. In case of contamination the filter must also be replaced. In order to increase the service life of bacterial filters, it is recommended to empty the secretion container when it is half-full. Always use the original bacterial filter.
The suction device cannot be operated without bacterial filter!

Hose connection/fingertip

The fingertip conducts the suction hose to the suction catheter. As the fingertip is in direct contact with secretion and it is difficult to clean, we recommend a daily exchange.

Suction Hose

The suction hose conducts the secretion from the suction catheter to the container. In order to prevent secretion from drying, the hose must be thoroughly rinsed with clear water after each use. The water can be sucked into the secretion container. Please till the secretion container only half. Frequent cleaning and disinfection/ sterilization may discolor and embrittle the hose. Therefore, a monthly exchange of the suction hose is recommended.

Cleaning of the device (housing)

When the device is contaminated but at least once per week the housing must be wiped off with a moist (but not wet) cloth. A weekly disinfection is recommended.

Never irrigate the device with water and never emerge it into any liquid.

Cleaning/disinfection

To improve the cleaning effect, standard washing-up liquid can be added to the warm water. In the case of tenacious contamination the parts should be steeped in water for a length of time or they may be removed with a soft brush or cloth. After thorough cleaning, container, fingertip and hoses can be disinfected with a disinfection agent (see operating instructions).As an alternative the parts can also be boiled (except the device).

7. Maintenance

7.1 Basic information

●Carry out a visual inspection of the unit prior to each use including hoses, collection jar and connection cable. Damaged cables and hoses must be replaced immediately.

●Maintenance or opening and repair of the DX Series Aspirator (with the exception of the cleaning work described in these operating instructions) may only be carried out by or a specialist authorized by . In this case, attention
should be paid to the protective technical and hygiene measures, the notes on safety plus the descriptions in the servicing instructions for the DX Series.

●For repair, this device can be returned to .

●Before returning the device for repair ,clean and afterwards disinfect all secretion container parts and hose parts. The device's surface also has to be disinfected.

● cannot guarantee perfect functioning neither will it be liable for damage to people or property if:

~ Any non-original parts are used,

~ the user instructions given in this manual are not followed exactly or are disregarded,

~ assembly, resetting, alterations, extensions and repairs are not carried out by people authorized by .

●No warranty rights shall exist in the event of damage or failure caused by the use of non- accessories or non- consumables.

●Before using the suction device with a new patient it has to be reprocessed by or a certified partner in order to protect the user/patient.

●Pay attention to regulations and instructions valid for the respective application range.

7.2 Reprocessing

The way the suction device is used determines its reliability and safety. These hygiene measures described in the last chapter are indispensable for protecting the patient and the user and for maintaining a safe and reliable suction device.

These measures do not replace a reprocessing, performed by the manufacturer or by any certified partner before reusing the device in a new patient. Before using the suction device with a new patient it has to be reprocessed by or a certified partner in order to protect the user/patient.

How can one realize that the suction device is contaminated?

Perform a visual inspection of the condensate collector. In case of soiled or damped from the condensate collector, the device is over sucked and therefore contaminated.

In case you realize this incidents, it is necessary to have the device repaired by or by a certified Partner.

If any reservations exist regarding the hygiene condition of the device, please send the device to or a certified partner for inspection.

8. Trouble-shooting

Prior to dispatch, the DX Series Aspirator was subjected to an extensive functional test If, nevertheless, a failure should appear, you may possibly clear it yourself if you follow these notes:

Problem	possible causes	Remedy
unit does not start	-Discharged battery -Loose power plug of the charging device	-Connect the battery charging power pack to the device. The battery should be recharged for1-2 hours prior to operation with battery -Check all plug and socket connections. Pay attention to the control lamp, it must be illuminated when all connections are o.k.
●insufficient performance	-Discharged battery -Filter is blocked	-Recharge the battery. -Exchange the filter.
●1.LOW or no vacuum is indicated	-1.1 bacterial filter is missing -1.2Leakages within the hose system or in collection jar lid -1.3Secretion or blood has been sucked in and valve plates of the pump are contaminated	-insert bacterial filter -Check collection jar lid and hose system on tight fitting. -Connect the filter once again to the connection nozzle. -Check the suction lid on tight and correct fitting. -Unit has to be returned for repair.
2.High vacuum is indicated	-2.1 bacterial filter is clocked. -2.2Float of overflow safety closes the collection jar inlet	-exchange bacterial filter -Check collection jar inlet, if necessary empty secretion container, clean the over suction protection and check float ball for flexibility

9. Technical specifications

Model	DX-12	DX-18	DX-24		
Air flow rate pump	≥121/min	≥181/min	≥241/min		
Max. vacuum	75kPa±5kPa	80kPa±5kPa	80kPa±5kPa		
Vacuum readout	-1…0 bar (±25mbar)(mm Hg; kPa)*				
Additional air regulation	Mechanical regulating valve				
Collection jar	1l secretion container,1l Receptal ®container system or 1l MediVac container system				
Suction hose	ø 6mm,1.30m length				
Voltage	230V~(+/-10%)50				
Current input(max)	Ca. 1.25A(230V~)				
Power consumption	Ca. 300 VA(230V~)				
Power cable	2 m				
Operating time	Interrupted use over approx. According to the environment 30-45 min at 230V~,50Hz,20℃； Cooling period approx. 60min,depending on ambient temperature				
Fuse	T 2. 5A/H(230V~);				
Protective earth conductor resistance Ear leakage current Enclosure leakage current Patient leakage current	- - N.C. < 0.1mA -				
Heat emission	100J/s				
Noise level	50.0dB(A)@1m(nach ISO 7779)				
Ambient conditions Transport/storage	-30…+50℃ 5...90%humidity non-condensing air pressure 700...1060 hPa				
Operation	+10…+35℃ 20...80% humidity, non-condensing air pressure 700...1060 hPa				
Weight	3.5kg	4.5kg		7.5kg	
Regular safety relevant inspections	Recommended: once yearly				
Protection class(EN) 60601-1	II				
Degree of protection	Typ BF				
Protection category	IPX 0				
Classification acc. to Annex IXEEC Directions 93/42/EEC	IIa				
CE marking	CE 0123				
Rules applied	EN 60601-1-1:1990+A1:1993+A11:1993+A12:1993+A2:1995+A13:1996 EN 60601-1-2:2006 EN 61000-3-2:2006 EN61000-3-3:1995+A1:2001+A2:2005 EN ISO 10079-1:1999				
UMDNS-Code	10-208(tracheal suction device)				

*1 bar≈750.06 mm Hg≈1000hPa/depends on daily atmospheric pressure issue of Technical Specifications: 16.02.2006

10. Checking/Reprocessing/Disposal

10.1 Checking suction devices

The suction devices are maintenance-free in the case they are used according to the operating instructions. However, regular safety-relevant checks have to be performed in line with her BGV A3/GUV 2.10(MPBetreibV$2Abs.(8)).”For mobile devices the safety-relevant controls must be performed at least every 12months.”

Regular, thoroughly cleaning and disinfection of the hoses and the application parts respectively the operations in line with the operating instructions are assumed.

A regular check of the condensate-controller on the rear side is necessary. Pull out the plastic plug at check the color at the end of the hose. In case of discoloration/deposits a maintenance measure must be performed by a certified service partner!

10.2 Reprocessing

In case of change in patient the device must be reprocessed prior to use with another patient in order to protect the user. The reprocessing may only be performed by the manufacturer or by an authorized specialist.

ELECTRIC Co., Ltd offers their partners and customers a trouble-free and quick reprocessing and checking/safety-relevant control for suction devices.

10.3 Disposal

The DX Series Aspirator is not comprised of any hazardous materials.

The materials of the housing can be recycled completely.

Prior to disposal, device and accessories must be decontaminated.

The materials are to be separated carefully.

Pay attention to county-specific regulations for disposal (e.g. waste incineration).

Disposal within the EC

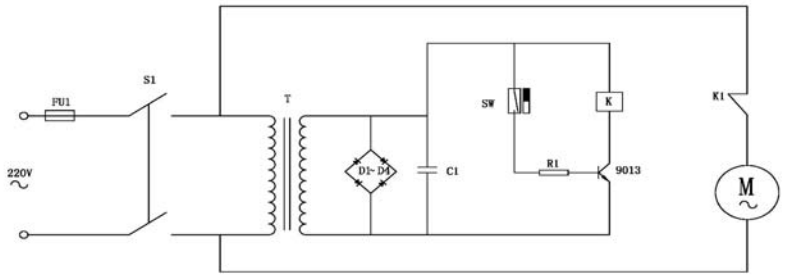
The suction device described above is a high-quality medical product with a long service life.

After its life cycle it must be disposed of professional. According to the EC directives (WEEE and ROHS) the device may not be disposed of in domestic waste. Please observe existing national laws and rules for disposal of old devices.

Disposal within the Federal Republic of Germany

In the Federal Republic of Germany the law for electrical devices (ElektroG) rules the disposal of electrical devices. Since this type of product is mainly used at home for secretion suction in the respiratory tract (after laryngectomy), it must be assumed that those suction devices could be contaminated. Therefore, this type of device is excluded from the law for electrical devices. In order to guarantee a propter disposal of your old device, please either pass on your old device to your specialized dealer or send it directly to ELECTRIC for a professional disposal

Prior to disposal respectively before transport all secretion containers and hoses must be thoroughly cleaned, disinfected or sterilized .The device surface must be disinfected.



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