

Sealing Machine

Operation Instruction







FoSeal Sealing Machine





Operation Instruction

Dear Customer,

Thank you for choosing the new generation sealing machine FoSeal! We hope it will perform to your full satisfaction. This manual describes all procedures for the correct installation and use of the equipment. Should you have any questions or suggestions concerning this product or our support, do not hesitate to contact us. Note, warning and danger symbols used through the manual

	<p>NOTE</p> <p>PAY SPECIAL ATTENTION:NOTES FOR PROPER INSTALLATION AND MAINTENANCE PROCEDURES AND USE METHODS.</p>
	<p>WARNING</p> <p>THIS SYMBOL INDICATES A POTENTIAL DANGER OF INJURY.FOLLOW THE PROCEDURES DESCRIBED IN THE MANUAL TO AVOID INJURING THE USER AND/O.</p>
	<p>DANGER</p> <p>THIS SYMBOL SIGNALS A POSSIBLE DANGER FOR PEOPLE.FOLLOW THE SUGGESTED PROCEDURE IN ORDER TO PREVENT POSSIBLE DAMAGE TO USERS AND/OR OTHERS.</p>
	<p>DANGER</p> <p>POTENTIAL HAZARD DUE TO HIGH TEMPERATURE.</p>

Symbols on equipment

	Potential hazard due to high temperature.
	Equipment in accordance with applicable directives.
	Symbol for disposal in accordance with Directive 2002/08/EC and 2003/108/EC.
	Consult the user manual.

Customer record:

Please note the product model, serial number on the nameplate of the product and complete the following line.
When you contact the distributor or supplier for after service, please use the serial number.

Model: _____ Serial number: _____

Cautions:

Please read all the safety and operation procedures in the instruction manual before you use this product.
Following the instructions will help you operate this device safely and easily. Please always operate the device in strict accordance with the instructions provided.

Please retain the instructions and customer record in safe place.
If you encounter difficulties, or have any questions regarding the use, or safe operation of the device, please contact your local distributor immediately. Your safety and satisfaction is our primary mission.

1. Introduction

FoSeal is the Thermo-sealing machine which fits as a natural complement to the range of steam sterilizer.

It is an elegantly, space-saving designed piece of equipment that is both user-friendly and reliability, even with heavy use.

FoSeal is therefore a useful option for all those users who require professional equipment with an excellent ratio of quality to price and performance.

FoSeal is an electronically controlled thermo-sealer with a sealing band of 12 mm fit to resist the sterilization processes of the modern sterilizers featuring fractioned pre-vacuum, and to assure in time the sterility of the packages.

Efficient heat control in the sealing area is achieved thanks to the automatic temperature adjustment, ensuring high and constant performance.

The solid structure in plastic and aluminum and the ergonomic and minimalist shape help to maintain a high level of hygiene, weight and overall size and excellent stability during use.

All this with the objective of offering a product suited to the daily needs in the medical/dental area.

For a good operation of the thermo-sealer the first and essential task is its correct installation; in this way possible malfunctions or damages to the unit will be avoided.

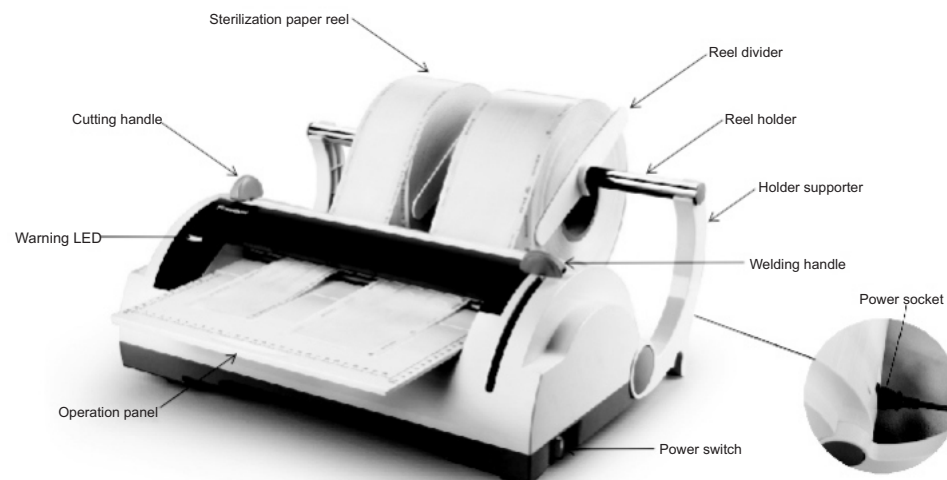
1)Parts description:



- | | |
|----------------------------------|-----------------------|
| 1. FoSeal Thermo-sealing machine | 5. Paper-stop barrier |
| 2. Operation Panel | 6. Fuse |
| 3. Reel dividers | 7. Power cord |
| 4. Reel holder | 8. Operation manual |

2)Views

Please connect the machine with correct power supply according to the data on the nameplate.



2. Installation:

Therefore please read carefully the notes and warnings reported in the rest of this chapter.

	NOTE THE TECHNICAL SERVICE IS AT YOUR DISPOSAL TO CLEAR ANY QUESTIONS OR PROVIDE FURTHER INFORMATION.
	WARNING THE ELECTRICAL INSTALLATION MUST BE PROVIDED WITH EARTH CONNECTION.

2. 1 General precautions

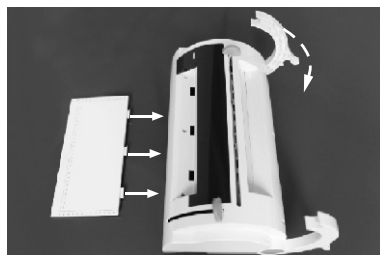
- Install the thermo-sealer on a flat surface, leaving enough room for its operation and adequate ventilation.
- Make sure that the resting plane is strong enough to support the unit and roll weight.
- Do not install near sinks to avoid contact with water or liquids that could cause short circuits or situations potentially dangerous for the operator.
- Do not install in humid or poorly ventilated environments.
- Do not install in environment with the presence of inflammable and/or explosive gas or steams.
- Install the unit so that the power supply cable is not bent or pressed along its route up to the mains socket.

2. 2 Electrical connection

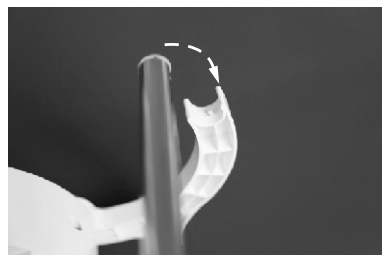
In compliance with the standing regulations, the unit must be connected to a mains socket of the electrical installation with power rating suitable for the unit consumption and provided with earth connection.

2. 3 Product preparation

- 1) Carefully remove the package contents.
- 2) Take the operation panel out and insert in the appropriate slots. And pull back the right and left holder supporters until it reaches to the table,



- 3) Insert the roll holder tube in the supporters, checking that the holes at the end of the tube properly engage in the teeth present on the supporters.



2. 4 Sterilization bag installation

- Insert the sterilization bag on the roll holder tube.
- Install the roll holder/roll unit on the arm holders (as described in the previous paragraph), positioned in such a way that the paper belt unrolls downward and with the polypropylene film in view, taking care to have the sheet pass under the paper-stop barrier.
- Finally, fasten the reel divider.

3. Operation

1) Preparation

- Verify that the sealing handle is positioned at the highest end of the guide. Switch on the machine via the switch located at the right side of bottom part.
 - The frontal green LED will flash. It means preheating.
 - Heating resistance is powered and the temperature will increase gradually.
- When the ideal level for proper welding is reached, the frontal green LED will remain fixed on.



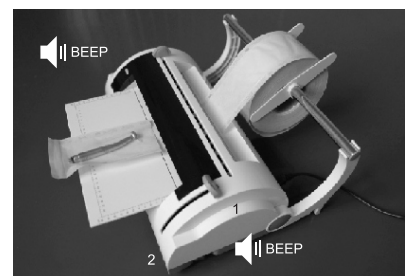
2) Paper insertion

Have the paper belt pass under the paper-stop barrier and insert it in the rear slot. Then remove it from the front to the desired length. You can measure the size of sterilization bag which you need before sealing and cutting.

3) Welding an end and cutting

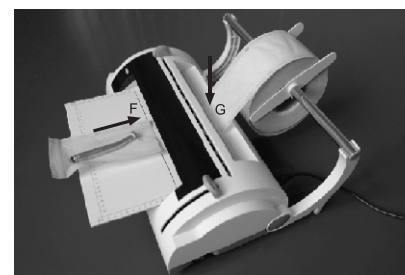
- Lower the sealing handle from position 1 to position 2. The green LED will flash quickly until sealing has finished, indicated by an acoustic signal.
- Slide the cutting handle to the opposite end.

- Lift the sealing handle from position 2 to the original position 1.
- The frontal LED will return to a fixed green once again, and the acoustic signal will switch off. The bag is now sealed on one end.



4) Bag return and finishing

- Put the instruments into the open side of the bag and Insert the unsealed end of the bag in the front slot (F) a few centimetres, until the end of the bag is aligned with the upper slot (G).
- Perform sealing operations as previously described.



4. Technical specifications

4.1 Summary table

Voltage	200~240V	100~120V
Number of phases	1	1
Power supply	50/60HZ	50/60HZ
Power	100W	100W
Isolation class	1/IPXO	1/IPXO
Fuses	2-5x20 F10AL250V	2-5x20 F10AL250V
Environmental conditions for which the device has been designed	Internal use Altitude up to 3000m Temperature: +5/+40°C Relative max. humidity: 10% Installation category (overvoltage category): II	
Interrupter	Bipolar	
Dimensions of the seal	12x300mm	
Type of sealing	At constant temperature	
Type of sealing	With continuous cycle and constant temperature	
Nominal operating temperature of the heating resistance	180°C	
Max sealing length	12 mm	
Maximum sealing width	300 mm	
Sealable material	Paper / polypropylene film	
Max diameter of the roll :	200 mm	
Maximum roll width 3:	00 mm	
Orientation of the paper / polypropylene film :	Polypropylene film oriented upward	
Package dimensions :	(L x D x H) 52 x 30 x 21 cm	
Net weight :	5 kg	

4.2 Safety devices

The thermo-sealer is equipped with the following safety devices, of which we list a short description along with their function:

- Mains fuses (see data in the above table)

Equipment protection from internal electrical faults.

Action: break the electrical power supply.

- Automatic off of the heating circuit

If the lever is not lifted back up after sealing has been completed, the heating circuit will be automatically deactivated. This operation will be indicated by an acoustic signal and intermittent red LEDs.

- Anti- finger crushing design

Protection from accidental crushing of fingers during lever movement.

- Automatic Stand-By System.

After a period of inactivity of 30 minutes, the machine will go into stand-by mode, switching off the heating resistance.

This device protects from risks of overheating caused by a failure to switch off the machine at the end of use, creating significant energy conservation at the same time.

- Protected cutting knife

Exclusive design with cutting knife totally inaccessible from outside.

5. Maintenance


APPENDIX C — MAINTENANCE

GENERALS The equipment does not need any special care; it is only recommended that the user cleans it periodically. In all cases carefully follow the procedure detailed below, In case of replacement of equipment components, request and use **ONLY ORIGINAL SPARE PARTS**.

	DANGER BEFORE PERFORMING ANY MAINTENANCE OPERATION, DISCONNECT THE PLUG OF THE POWER SUPPLY CABLE FROM THE SOCKET.
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	ATTENTION MAKE SURE THAT THE MACHINE HAS COOLED BEFORE ANY MAINTENANCE OPERATION.
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CLEANING Clean the equipment externally with a clean cloth dampened with water and neutral detergent.

	NOTE — DO NOT USE PRODUCTS CONTAINING ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL). — DO NOT USE PRODUCTS THAT CONTAIN SODIUM HYPOCHLORITE (BLEACH). — DO NOT USE CLEANERS THAT CONTAIN PHENOL
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Perfectly dry the surfaces and remove any remaining resistant residue. Always keep in mind the following general warnings:

— Do not submit the unit to direct water jets, under pressure or sprinkling. Any infiltration on the internal electrical components could irretrievably damage its operation;

— Do not use abrasive sponges, metal brushes (or other aggressive materials) or products for cleaning of metal, both solid and liquid.

BLADES REPLACEMENT The blade must be replaced periodically or when paper cutting problems are noticed.

FUSES REPLACEMENT The fuses are in the fuse holder above the power lead outlet.
-Remove the power lead plug.
-Remove the fuse holder box with a screwdriver.
-Replace the fuse with one of equal value (see appendix A).

6.Troubleshooting

If Your Thermo-sealer does not work correctly, carry out the following checks before contacting the Technical Service:

PROBLEM	POSSIBLE CAUSE	SUGGESTED SOLUTION
The thermo-sealer does not switch on.	The plug of the power supply cable is not inserted in the outlet.	Properly put in the plug.
	Lack of power at the power supply outlet.	Check the possible cause of power failure and try to solve it.
	The magneto thermal switch and/or differential switch of the installation are OFF.	Put the switches to ON position.
	Mains fuses broken	Replace the fuses (see Appendix C - Maintenance)
The LED does not flash when the thermo-sealing machine is switched on	The Led does not work.	Contact the Technical Support Service
	Heating resistance broken.	
	Fault in the electronic card.	
Bag sealing is performed but the LED remains a fixed green (instead of red) and no acoustic signals are heard.	Fault of the end-of-run microswitch.	Contact the Technical Support Service
	Insufficient pressure in the sealing area.	Contact the Technical Support Service
	Silicon rubber profile damaged.	
	Resistance does not reach the operating temperature	
Envelope cutting is difficult.	Consumed blades.	Contact the Technical Support Service



NOTE

SHOULD THE PROBLEM PERSIST, PLEASE CONTACT OUR TECHNICAL SERVICE NETWORK REPORTING THE THERMOSEALER MODEL AND ITS SERIAL NUMBER. THESE DATA CAN BE FOUND ON THE FACTORY PLATE PLACES ON THE UNIT REAR.

Operator warning signal

SIGNAL	CAUSE	ACTION
The LED is flashing green.	The machine is warming up	Wait until the light stops flashing.
The LED turns green steadily.	The machine is ready for use.	-----
The green LED flashes quickly for 3 seconds, the red LED is always on for 3 seconds with a beep sounds.	The sealing handle has been lowered, and the machine is sealing work.	After the prompt sounds, move the cutting handle to the opposite side and finish cutting the paper, take out the sterilization bag and lift the sealing handle.
The red LED flashes briefly every 3 seconds.	The machine automatically enters the standby mode if there is no work within 30 minutes.	Press the sealing handle and lift it back up to the normal operation.
The red and green LEDs are always on at the same time. The LED turns red and emits a warning tone. After the warning tone ends, the red LED flashes once every 3 seconds.	1.The machine signals the presence of a heating system problem.	1.Switch off and retry machine use. If the signal recurs please contact for Technical Support.
	2.The induction coil from heater is broken.	2. Replace the induction coil.
	1.The sealing operation has been completed.	Lift the handle and remove the bag.
	2.The handle is not reset when the machine is turned on. 3.The sealing handle was lowered before reaching the proper operating temperature.	Lift the handle.