

## Section 2 – Maintenance

### User

### Maintenance

Note: Remove the mains cable before examining the sterilizer.

### Maintenance Program

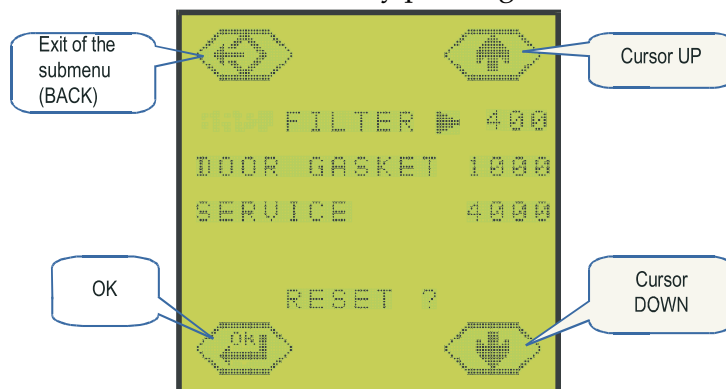
Frequency	# of Cycles	Operation	Spare Number
Weekly	50	Clean the door seal.	-
		Clean the chamber, trays and rack.	-
		Clean the external surfaces.	-
Every 3 months	400	Replace the filter.	54.0067.00
Weekly	50	Clean the main water tank.	-
Every year	1000	Replace the door seal.	54.0014.00
* Every 3 years	4000	Service by an approved technician.	-

\* Refer to medical device regulations for your country.

The maintenance submenu indicates the remaining number of cycles before general servicing, replacement of the filter and cleaning of the door seal are required.

The counters decrease in value after each cycle. When a counter reaches zero, a corresponding message appears at the bottom of the selection screen. Read the message and press **OK**. The counter is automatically reset. The **Select a Cycle** screen appears.

Reset the counter manually for service that has been completed before the counter reaches zero. Place the cursor in front of the operation with the **UP** and **DOWN** icons and reset it by pressing **OK**.



**Cleaning the Door Seal**

Clean the door seal and the porthole with a lint free cloth saturated with alcohol.

The porthole can also be cleaned with a non-abrasive detergent.

**Cleaning the Chamber, Trays and Tray Holder**

1. Remove the trays from the chamber.
2. Disconnect and remove the rack.
3. Clean the chamber with a damp sponge moistened with a detergent or scouring agent if necessary.
4. Rinse with a damp sponge to remove all traces of the cleaning agent.

Clean the rack and trays using the same procedure.

Note:

- ▶ Ensure that you clean all around the sterilizer chamber.
- ▶ Do not bend or damage the temperature sensor at the bottom of the chamber.
- ▶ Never use disinfectants to clean the chamber.

**Cleaning External Components**

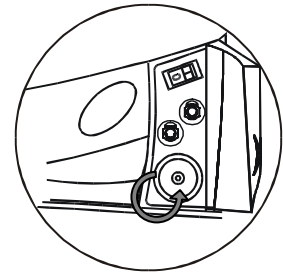
Clean the external parts with a damp cloth and mild detergent.

Note:

- ▶ Never use scouring agents or highly abrasive products.
- ▶ Do not use excessive amounts of water to wash the sterilizer; this may damage the electrical components and safety mechanisms.
- ▶ Take care not to scratch the plastic film in front of the touchscreen.

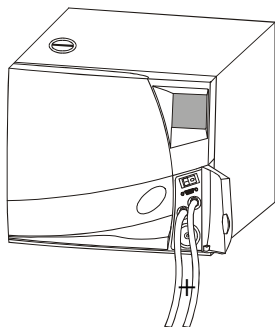
**Replacing the Filter**

1. Open the service door.
2. Unscrew the filter by hand (counter-clockwise).
3. Insert and manually screw the new filter into position.

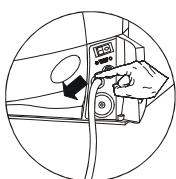


**Cleaning the Main Water Tank**

Completely drain both water tanks (main and used water tank).



1. Open the service door.
2. Insert the drain tube into the quick disconnect coupling drain cock of the used water tank (right). Allow the entire contents of the tank to empty and discard the used water.
3. Disconnect the drainage hose by pressing the push-button on the drain cock.

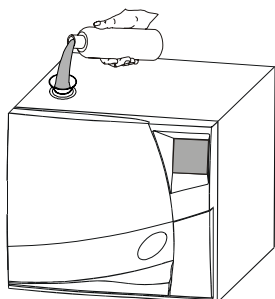


4. Insert the drain tube into the quick disconnect coupling drain cock of the main water tank (left). Allow the entire contents of the tank to empty. Discard the water.
5. Disconnect the drainage hose by pressing the push-button on the drain cock.

6. Fill the main reservoir with 3 quarts (2.8 liters) of distilled or de-mineralized water and ¾ cups (0.2 liters) of 90% alcohol.

Note:

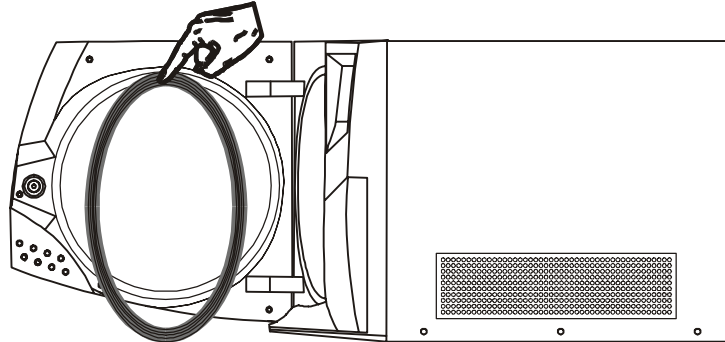
- ▶ Do **not** run a cycle at this point.
7. Allow the solution to sit for 30 minutes.
  8. Drain the main tank and discard the 3.17 quarts (3 liters) of solution.
  9. Fill the main tank with 3.17 quarts (3 liters) of distilled or de-mineralized water.
  10. Run an empty cycle.



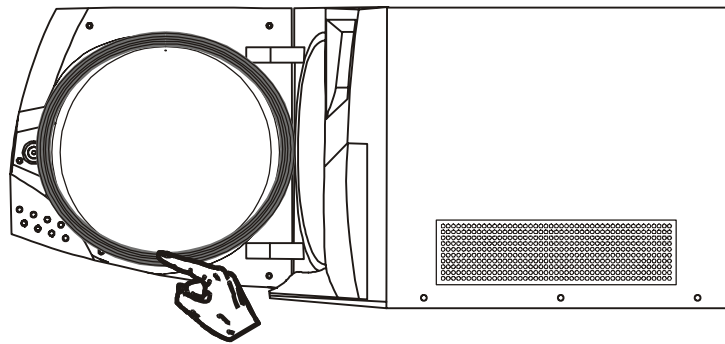
**Replacing the Door Seal**

1. Fully open the door of the sterilizer.
2. Remove the door seal by hand.
3. Carefully clean the seal seat with a cotton bud moistened with alcohol.
4. Moisten the new door seal with soapy water. **Do not lubricate.**
5. Insert the seal in the sequence illustrated in the following diagrams.

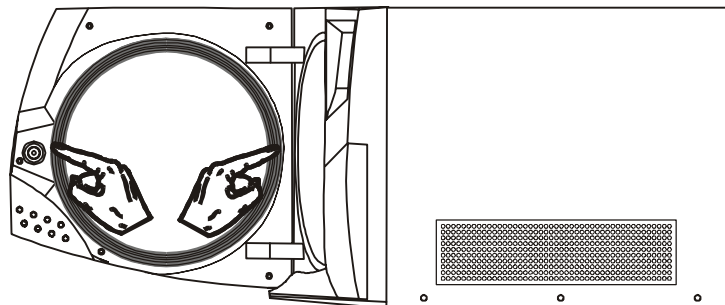
Up



Down



Left &amp; Right



**Service Checklist**

Proper maintenance assures the Lisa continues to operate effectively.

A-dec recommends service by an approved technician every 3 years or 4000 cycles. (Use service kit 54.0152.00.)

- ✓ Replace 5 Electro-valves.
  - EV2/EV4/2CS Collector subset
  - EV1/EV3 subset
  - EV5 Electro valve
- ✓ Replace vacuum pump membrane kit.
  - Vacuum pump membrane kit
- ✓ Replace water filter.
- ✓ Replace the steam generator heating element.
  - Steam generator heating element
  - Viton steam O-ring
- ✓ Clean the sterilization chamber.
- ✓ Clean the sterilization chamber filter.
- ✓ Clean the steam generator filter (EV5).
- ✓ Clean the condenser.
- ✓ Check the pneumatic connections.
- ✓ Check the electrical connections.
- ✓ Check the door locking system.
- ✓ Check the two pressure safety valves.
- ✓ Check the safety devices.
- ✓ Check the sterilizer according to Section 8 of this manual.

