

Caring for Your Ultraclave & Autoclave Sterilizer

MIDMARK®

WEEKLY



WARNING

To prevent burns, allow unit to cool before cleaning.

1. CLEAN EXTERNAL SURFACES

- (a) Wipe with a soft dry cloth and occasionally with a damp cloth and mild soap or detergent.

2. CLEAN INTERNAL SURFACES

- (a) Drain water from reservoir using drain tube located on front of unit.



EQUIPMENT ALERT

Failure to change water promotes growth of algae in reservoir and may cause sterilizer to malfunction.

- (b) Clean trays, door gasket, metal surfaces and inside of chamber with **Speed-Clean Sterilizer Cleaner** and distilled water. Inspect door gasket for damage that could prevent proper sealing.

- (c) Refill reservoir with clean, distilled water.

3. DISINFECTING: (Refer to Installation/Operation manual)

MONTHLY



EQUIPMENT ALERT

Failure to flush unit with **SPEED-CLEAN STERILIZER CLEANER**, or use of **other** sterilizer cleaners may cause some components in unit to fail prematurely.

1. FLUSH SYSTEM

- (a) Drain reservoir and fill with clean distilled water. Add 1 oz. of **Speed-Clean Sterilizer Cleaner** to a cool chamber (A).

- (b) Run one **POUCHES**  cycle. Press **STOP**  button when **Drying** portion of cycle begins.



WARNING

Instruments should not be sterilized while cleaning the sterilizer.

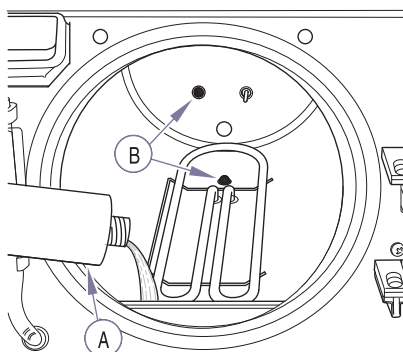
- (c) Drain reservoir and refill reservoir with clean, distilled water.

- (d) Rinse by running one **UNWRAPPED**  cycle.

- (e) Drain reservoir and allow sterilizer to cool to room temperature.

- (f) Remove door gasket, dam gasket and gasket ring. Clean with **Speed-Clean Sterilizer Cleaner** and clean, distilled water. A small stiff bristle brush will aid procedure. After cleaning gaskets, inspect for damage, shrinking, or swelling and replace if necessary. Press gasket and ring into the channel and reinstall dam gasket.

- (g) Remove trays, tray rack, and tray plate. Pressing downward on top band of tray rack, pull upward on end of tray plate and slide assembly out of chamber.



Rack and trays shown removed.

- (h) Locate chamber filters (B) on bottom and back of chamber. Grasp filter and pull outward while twisting slightly. (If necessary, a pair of pliers may be used). Filter may be cleaned with **Speed-Clean Sterilizer Cleaner** and clean, distilled water. A small stiff bristle brush or ultrasonic cleaner may be helpful to remove foreign objects from filter surface. Rinse filter with clean, distilled water. **NOTE - If cleaning methods do not effectively clean the filter, replacement may be necessary.** Reinstall filters by pressing inwards and twisting slightly.



EQUIPMENT ALERT

Do not operate sterilizer without filters in place.

- (i) Wipe off trays, tray rack, and tray plate. Reinstall assembly by placing back edge of tray plate in chamber. Pushing downward on top of tray rack, slowly push assembly into chamber.



EQUIPMENT ALERT

Angled end of plate must be toward back of chamber to prevent interference with temperature probe in back of chamber.

- (j) Fill the reservoir with clean, distilled water. Sterilizer is now ready for use.

2. PRESSURE RELIEF VALVE CHECK

Refer to Installation and Operation Manual for this procedure.

To activate warranty:
Insert CD, then select
Product Registration* from the menu.

(*Midmark recommends product registration for all Class II devices.)

Remember to ask your dealer for Speed-Clean Sterilizer Cleaner.

• **Français :** Référez-vous à CD-Rom

• **Deutsch:** Siehe CD-Rom

• **Español:** Refiera a CD-Rom

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OVER FOR OPERATION

004-0339-00 Rev. H

Operating Your Ultraclave & Autoclave Sterilizer

PRE PROGRAMMED OPERATION

STEP 1 Select and press the appropriate sterilization preprogrammed button.



{NOTE: Refer to Standard Cycle Parameters (below) to select the proper sterilization program time and temperature.}

STEP 2 Press the **START**  button.



WARNING

Stop button may be depressed at any time to stop or interrupt a cycle. Contents are *not* sterile if this occurs before the dry cycle begins.

PROGRAMMING


STEP 1 Press button 1  or 2 .

STEP 2 Press **PROGRAM**  button.

{NOTE: Sterilization temperature can be adjusted from a minimum of 230°F {110°C} to maximum 275°F {135°C}.}


The  button **raises** temperature 1°.

The  button **lowers** temperature 1°.

{NOTE: If **STOP  button is pressed anytime during the Programming Mode any settings entered will be aborted and programming will revert back to the original settings.}**


STEP 3 Press **PROGRAM**  button.


{NOTE: Sterilization time can be adjusted from a minimum of 3 minutes to maximum 90 minutes.}

The  button **raises** time 1 minute.

The  button **lowers** time 1 minute.

STEP 4 Press **PROGRAM**  button.

The  button changes venting to **FAST**.

The  button changes venting to **SLOW**.



STEP 5 Press **PROGRAM**  button.

{NOTE: Drying Time can be adjusted from a minimum of 0 minutes to a maximum of 60 minutes.}

The  button **raises** time 1 minute.

The  button **lowers** time 1 minute.

STEP 6 Press **PROGRAM**  button.

The display shows the new programmed settings for the button that was programmed, 1  or 2 .

{NOTE: The programmed settings entered are retained under that Program button (1 or 2). If power is interrupted or the unit is unplugged, the settings will be retained.}

STANDARD CYCLE PARAMETERS



EQUIPMENT ALERT

Using an incorrect sterilization program could result in non-sterile contents and may damage instruments. Consult instrument manufacturer for specific sterilization instructions.



EQUIPMENT ALERT

Trays must be used at all times when operating this sterilizer, serious equipment damage could result.



Unwrapped

270°F (132°C)
27.1 psi (186 kPa)
Sterilize for 3 minutes
Dry for 30 minutes

- Instruments loose on a tray.
 - Open glass or metal canisters.
 - Tubing not used in surgical procedures.
 - Loose items manufacturers recommend for exposure at 270°F (132°C).
- The sterility of unwrapped items is compromised on exposure to a non-sterile environment.*



Pouches

270°F (132°C)
27.1 psi (186 kPa)
Sterilize for 5 minutes
Dry for 30 minutes

- Pouched or loosely wrapped instruments.
- Wrapped trays of loose instruments.
- Tubing not used in surgical procedures.
- Wrapped items manufacturers recommend for exposure at 270°F (132°C).



Packs

250°F (121°C)
15 psi (104 kPa)
Sterilize for 30 minutes
Dry for 30 minutes

- Textiles and surgical packs wrapped for sterilization.
- Items, except liquids, manufacturers recommend for exposure at 250°F (121°C).



Handpieces

270°F (132°C)
27.1 psi (186 kPa)
Sterilize for 6 minutes
Dry for 30 minutes

- Dental handpieces.
- Loose or wrapped dental handpieces manufacturers recommend for exposure at 270°F (132°C).

1

Program

Programmable User Defined
230°F (110°C) to 275°F (135°C)

- Items appropriate for user defined parameters.

2

Program

6 psi (41 kPa) to 31 psi (214k Pa)
Sterilize for 3 min. to 90 min.
Dry for 0 to 60 min.



CAUTION

Temperatures below 250°F (121°C) should not be used for disinfection unless otherwise recommended by the device manufacturer.

OVER FOR MAINTENANCE