Caring for Your Ultraclave & Autoclave Sterilizer

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

**EQUIPMENT ALERT**
Do not operate sterilizer without filters in place.

**WARNING**
Instruments should not be sterilized while cleaning the sterilizer.

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

2. PRESSURE RELIEF VALVE CHECK
   Refer to Installation and Operation Manual for this procedure.

**PRODUCT REGISTRATION**
Insert CD, then select Product Registration* from the menu.

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

**OVER FOR OPERATION**

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004-0339-00 Rev. H

• Français : Référez-vous à CD-Rom
• Deutsch: Siehe CD-Rom
• Español: Refiera a CD-Rom
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). |

| Program | Programmable User Defined |
| 200°F (110°C) to 275°F (135°C) | 6 psi (41 kPa) to 31 psi (214 kPa) |
| Sterilize for 3 min. to 90 min. | Dry for 0 to 60 min. |
| - Items appropriate for user defined parameters. |

CAUTION

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

OVER FOR MAINTENANCE