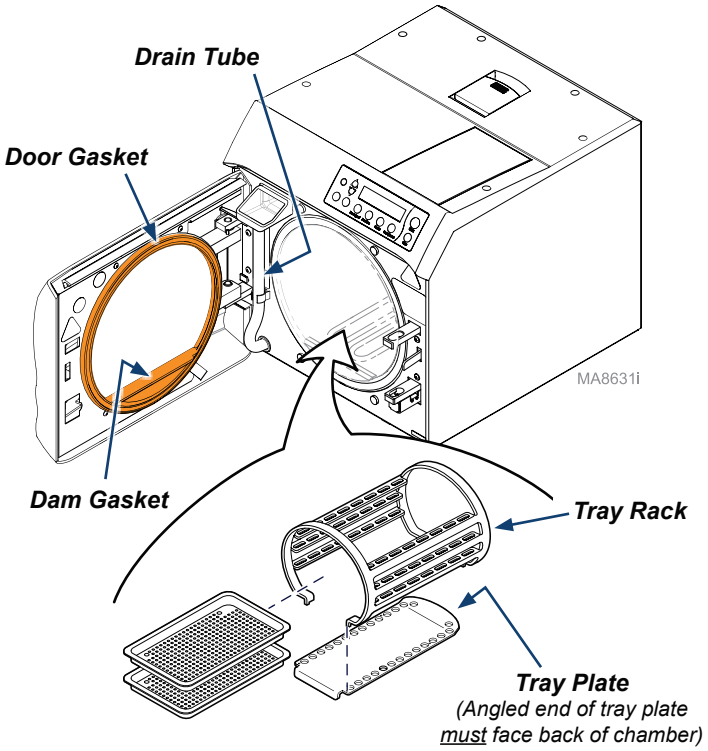
Caring for your M9 / M11 sterilizer...

Weekly Maintenance



- **Clean External Surfaces & Gaskets**

> **Caution**
> *To prevent burns, allow unit to cool before cleaning gaskets and internal surfaces.*

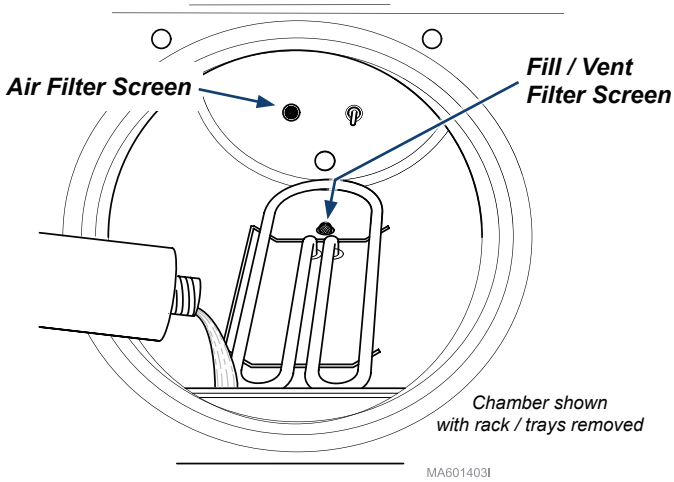
A) *Wipe external surfaces & gaskets with a soft damp cloth and mild soap / detergent.*
B) *Examine door gaskets for damage.*

- **Clean Internal Surfaces**

> **Equipment Alert**
> *Failure to change water may result in sterilizer malfunction.*

A) *Drain water from the reservoir using drain tube on front of unit.*
B) *Wash trays, rack, plate, and inside of chamber with mild soap or Speed-Clean and distilled water.*
C) *Refill reservoir with clean, distilled water.*

Monthly Maintenance



> **WARNING**
> **Do not process instruments while flushing system.**

> **Equipment Alert**
> *Failure to flush system with **SpeedClean**, or use of **other** sterilizer cleaner(s), may result in the premature failure of sterilizer components.*

- **Flush System**

A) *With a cooled chamber, drain reservoir and fill with clean, distilled water. Add one ounce of SpeedClean sterilizer cleaner directly to the bottom of chamber.*
B) *Run one **Pouches** cycle.*
C) *Press **Stop** button when Dry Cycle begins.*
D) *Drain reservoir and refill with clean, distilled water.*
E) *Rinse by running one **Unwrapped** cycle.*
F) *Drain and refill reservoir with clean distilled water, then allow sterilizer to cool.*

- **Clean Filter Screens (fill / vent , and air)**

> **Equipment Alert**
> *Do not operate sterilizer without filters in place.*

A) *Allow sterilizer to cool, then remove trays / rack / plate.*
B) *Refer to the illustration for location of filter screens.*
C) *Pull / twist filter to remove. (Use pliers if necessary).*
D) *Clean filters with SpeedClean and distilled water. (Replace filters if debris cannot be removed by cleaning).*
E) *Rinse filters with distilled water.*
F) *Install filters. (Press inward while twisting slightly).*
G) *Install tray plate, rack, and trays.*

- **Check Pressure Relief Valve***
- **Remove / Clean / Inspect Gaskets***

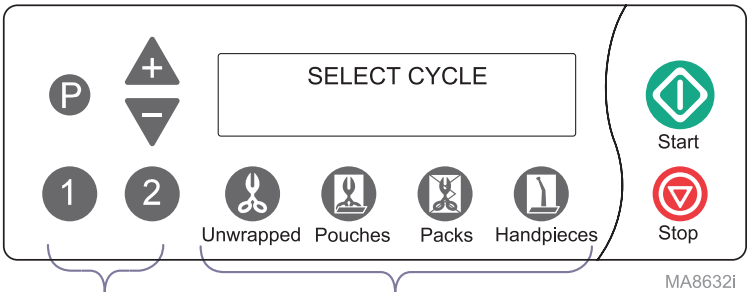
**** Refer to the Installation / Operation Manual for complete list of maintenance procedures***

Operating your M9 / M11 sterilizer...

To start a cycle...

> **WARNING**
> ***If the Stop button is pressed before the Dry Cycle begins, the load is <u>not</u> sterile.***

A) *Press the desired **Cycle Button**.*
(Refer to 'Cycle Parameters' for times / temperatures).
B) *Press the **Start** button.*



Cycle Buttons *(Programmable)*

Cycle Buttons *(Pre-set)*

To Program Cycle Buttons...

> **Caution**
> *Sterilization temperature can be adjusted from a minimum of 230°F (110°C) to a maximum of 275°F (135°C). Permitted temperature range for <u>proper</u> sterilization is 250° to 275°F (121° to 135°C). Temperatures set below 250°F (121°C) should <u>not</u> be used for sterilization, unless otherwise required by the device manufacturer. Temperatures below 250°F (121°C) are provided for disinfection only.*

Step	Action	Description
1	**Press desired button:** 1 2	This selects the button that will be programmed.
2	**Press:** P	Program sterilization temperature (3 to 90 minutes)
	Adjust: + −	The "+" and "-" buttons adjust the temperature by 1° increments.
3	**Press:** P	Program sterilization time
	Adjust: + −	The "+" and "-" buttons adjust the time by 1-minute increments.

Step	Action	Description
4	**Press:** P	Program vent speed
	Adjust: + −	Pressing "+" changes setting: FAST Pressing "-" changes setting: SLOW
5	**Press:** P	Program dry time (0 to 60 minutes)
	Adjust: + −	The "+" and "-" buttons adjust the time by 1-minute increments.
6	**Press:** P	The display will show the new cycle parameters.

NOTE:
Pressing the STOP button during this procedure will abort the changes, and revert to the original settings.
The programmed settings are retained under Program # button <1> or <2>. Even if power is interrupted, or the unit is unplugged the setting will be retained.

Cycle Parameters		
Unwrapped	**270°F (132°C)** **27.1 psi (186 kPa)** **Sterilize: 3 min.** **Dry: 30 min.***	**• 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).** *Note: 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: 5 min.** **Dry: 30 min.***	**• Pouched or loosely wrapped instruments.** **• Multiple layers of instruments separated by fabric.** **• 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: 30 min.** **Dry: 30 min.***	**• Textiles and surgical packs wrapped for sterilization.** **• Items, except liquids, manufacturers recommend for exposure at 250°F (121°C) for 30 minutes.**
Handpieces	**270°F (132°C)** **27.1 psi (186 kPa)** **Sterilize: 6 min.** **Dry: 30 min.***	**• Dental handpieces (wrapped or unwrapped)** *Note: Verify acceptability of sterilization parameters with handpiece manufacturer.*
1 2 Programmable User Defined	**230°F (110°C) to 275°F (135°C)** **6 to 31 psi (41 to 214 kPa)** **Sterilize: 3 to 90 min.** **Dry: 0 to 60 min.**	• Items appropriate for user's defined parameters. ***Caution*** Temperatures below 250°F (121°C) should only be used for disinfection.

** Dry time can be changed from 0 to 60 minutes. Refer to '**Cycle Operation**' in the Installation / Operation Manual.*