

5. How to clean autoclave

MAINTENANCE (DELTA STERILIZER)

CAUTION: Units is in preheat mode between 0600 - 1800 hours. So that units will be cool to the touch, turn off unit at main power switch (back of unit) 30 minutes before performing maintenance.

Maintenance and Performance Check Schedule

CHECK	FREQUENCY	PROCEDURE	ACTION
Clean chamber	After every 25 cycles	4 ozs. Omni-Cleaner Plus® per 64 ozs. distilled water.	See "Cleaning Procedures"
Door gasket	Weekly	Inspect and clean using Omni-Cleaner Plus® or mild detergent and water. Check for leaks and have leaking gasket replaced. ! WARNING: Leaking gasket could result in harm to the operator because of escaping steam.	Call authorized service representative for replacement gaskets. NOTE: For proper operation use only our replacement parts available through authorized service dealers.
Door latch	Weekly	Inspect latch mechanism for signs of wear or improper closure.	Call authorized service representative if improper closure or signs of wear are noted.
Bio Indicator	Weekly	Conduct testing using biological spore test indicator as described in "Operation, Sterilization Assurance."	If test fails, do not use other items in with that load. Ensure that "Important Sterilization Practices" and "Preparation and Loading" sections in the User Manual have been followed. Retest using an empty chamber, then retest with properly packaged and loaded chamber. If test still fails, discontinue using sterilizer and contact an authorized service representative.
Door switch	Weekly	With door open, attempt to start cycle. If door alarm does not appear on alarm display, door switch is defective or requires adjustment. Unit should not operate.	Call authorized service representative.
Boiler ring	Weekly	Inspect for deposits.	Clean using non-chlorinated pad which contains no metals.
Operation check	Weekly	Perform test described on pg. 40.	Call authorized service representative if failure occurs.
Water filters	Monthly	Remove filter in chamber. Put filter in ultrasonic cleaner. Scrub with small soft brush under running water and replace filter. When replacing, make sure filter in chamber touches center bottom wall of chamber to ensure proper draining.	If filters are clogged are will not clean, call an authorized service representative for replacement filters.
Air filter	Every Service Call Annually	Inspect air filter for cracks and loose tubing connections. Replace Filter	Have service representative remove the cover and inspect. Call authorized service representative.
Safety valve ring	Every 3 months	Manually pull ring (located on upper rear of chamber) when chamber pressure reaches 121 kPa. When pressure is relieved, valve automatically retracts. ! WARNING: When ring is pulled on safety valve with unit under pressure, steam is discharged from the chamber straight down the pipe at high temperature. When you pull ring, steam exits out bottom. Make sure path is clear and that your hand is out of the way.	If valve does not open or does not completely seal off after operation, turn off "Power" and call authorized service representative for replacement.
Note: For detailed service instructions, refer to autoclave Service Manual.			

It is recommended that you annually have your sterilization system inspected by an authorized service and retain maintained records for the following:

1. Hi-Pot Test
2. Terminal Inspection
3. Internal Tubing inspection for leaks.
4. Filter replacements.
5. Ground continuity test.
6. Internal wire inspection for frayed wire.

Note: For detailed service instructions, refer to autoclave Service Manual.

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Cleaning Procedures

NOTE: Proper cleaning at regular intervals is essential, since mineral deposits, debris or trash may cause the unit to malfunction.

Draining Reservoir

With the door open, locate the quick drain connection (A) at the lower right corner of the face plate. Press the drain tube connector (B) provided with the unit into the connection on the face plate. This opens the drain line and draining of the reservoir will begin immediately.

Normal Chamber Cleaning

Drain the reservoir using quick connect drain tube. Mix Omni-Cleaner Plus® with distilled water according to directions on bottle. Pour into reservoir. Run one "Unwrapped" cycle (**Note: It is not necessary to complete drying cycle**). Drain reservoir. With the drain tube in place, pour one to two gallons of water into the reservoir until the drained water is clear.

This will remove excess suds. Wipe inside of the chamber with soft cloth.

! WARNING: Do Not sterilize instruments while cleaning autoclave.

Pour half gallon distilled water into reservoir. Run one "Unwrapped" cycle

(**Note: It is not necessary to complete drying cycle**). Wipe the inside of the chamber, the boiler ring (C) and the door gasket. Fill reservoir with distilled water. Autoclave is ready for use.

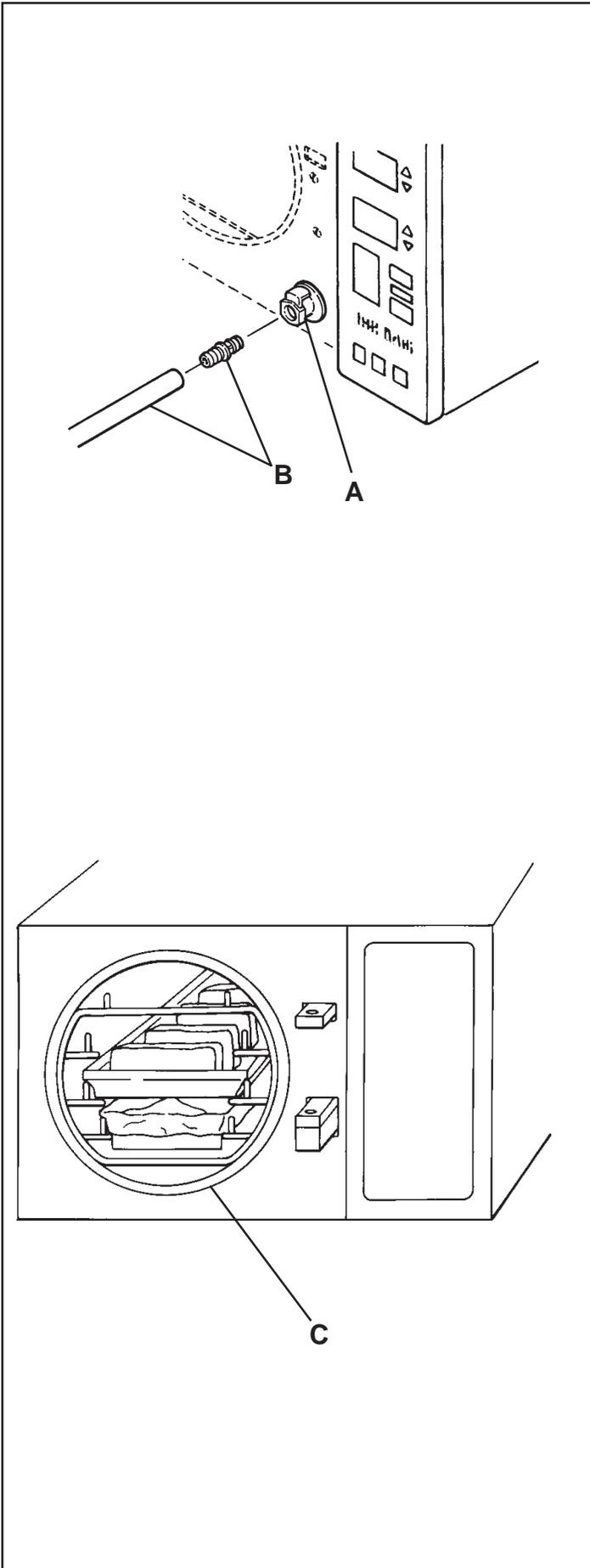
Cleaning Deposits and Discoloration on Stainless Steel

For deposits not removed by detergent solution, use a non-chlorinated, non-metallic scouring pad such as Scotch-Brite® or a powder such as Bon-Ami®.

! CAUTION: Do not use ordinary steel wool or steel brushes on stainless steel. Pads containing metal will damage chamber and cause instruments to be stained with rust.

! CAUTION: Do not use chlorinated cleaners. Doing so will cause corrosion.

Rub in direction of pattern or grain of the metal. Clean stainless steel surfaces contaminated with discoloration with a 5% solution of warm oxalic acid.



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Cleaning Procedures (cont'd)

Cleaning Boiler Ring (C)

Clean boiler ring using a non-chlorinated, non-metallic scouring pad such as Scotch-Brite®.

Cleaning Door Gasket (D)

Clean door gasket with Omni-Cleaner Plus® or non-chlorinated detergent and water. **Note:** If residue is allowed to accumulate, the seal could be affected and leaks may occur.

Cleaning/Disinfecting Exterior Surfaces

Clean all exterior surfaces with mild detergent and water using a sponge or cloth. Disinfect exterior surfaces using an iodophor (Biocide, Biotrol, Inc., N. Salt Lake City, Utah, or equivalent).

! CAUTION: Do Not use any disinfectant on interior stainless steel surface. Damage to the chamber and/or trays may result.

