



# Manual Autoclave Instructions on: “Weekly Cleaning and Maintenance”

*(Valueklave 1730M, 2340M, 2540M-MK, 3870M)*



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# Items to have on hand

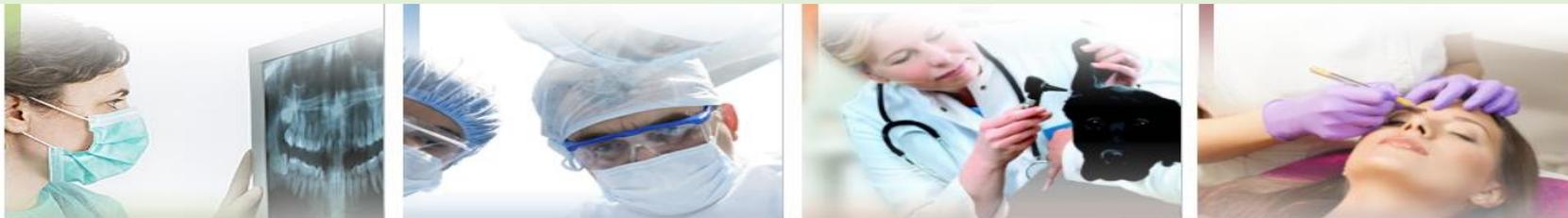


- Chamber Brite™
- Soft cloth or sponge
- Drain hose (*to drain water reservoir*)
- Pail (*to drain reservoir water into*)
- Gloves
- Non abrasive stainless steel cleaner (*for trays and tray rack*)
- Steam distilled water



# Chamber Brite™ Instructions

Model	Amount of Chamber Brite Required
Valueklave 1730M	Use one half of a packet of Chamber Brite
2340M 2540M 2540MK	Use one packet of Chamber Brite
3870M	Use two packets of Chamber Brite



# What is Chamber Brite™?

*Chamber Brite™ is a cleaning and descaling agent designed specifically for the cleaning and removal of water deposit oxides and other sediments that are found in steam sterilizers.*

- The material is a combination of acidic salts and additional cleaning materials.
- Chamber Brite™ is not for use in the Elara11 or any other pre/post vacuum autoclave.
- It is recommended that your autoclave be cleaned with Chamber Brite™ after every 20 cycles.



# Why is cleaning important?

- Cleaning the autoclave chamber is a very simple, but important procedure to keep your sterilizer operating properly.
- If the autoclave is not cleaned regularly, dirt and debris will build up and clog the tubing and valves.
- This dirt can also be transmitted to the instruments during sterilization.
- In addition, a layer of dirt on the stainless steel chamber traps moisture against the metal and will lead to the chamber becoming porous and failing.



# Chamber Brite™ Instructions

*Important things to remember:*

- NEVER use bleach, steel wool, a steel brush or anything abrasive to scrub or clean the Chamber.
- Do NOT sterilize instruments during the chamber cleaning process.
- Before using Chamber Brite, the autoclave chamber MUST be cold. *If the chamber is hot, Chamber Brite will react and give off an odor.*
- All steps in this procedure must be completed without interruption.





Step 1  
Remove all of the trays  
from the autoclave

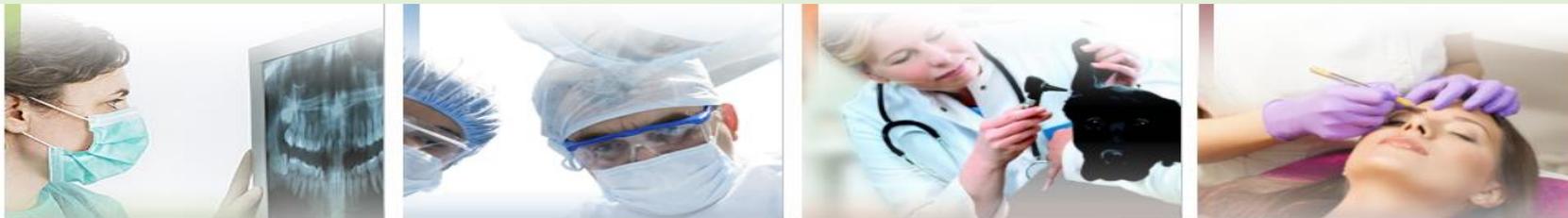




## Step 2

Remove the tray rack from the autoclave

The tray rack is easily removed by squeezing it in on both sides while sliding it out of the autoclave





## Step 3

Open the appropriate amount of Chamber Brite package(s) and pour a line from the front to the rear along the bottom of the COLD Chamber.

Avoid leaving a pile of Chamber Brite in one spot.



## Step 4

Make sure the water reservoir is filled with steam distilled water.

Set temperature to 273°F (134°C).

With the chamber door OPEN, turn the multivalve clockwise from "0" to "FILL WATER".





Step 4 *(continued)*  
Water will begin to flow  
in from the back of the  
chamber.

Monitor the flow until it  
gets to the indentation  
line at the front of the  
chamber.





Step 4 *(continued)*  
Turn the multivalve to  
"STERILIZE" (OLDER  
models are labeled "STE")

Close and lock the door



# Step 5

For Valueklave or any "MK" models, set timer to 12 minutes

For all other "M" models, set the timer to 30 minutes





## Step 6

The pressure gauge will rise to 30psi and when the timer reaches "Zero" the bell will ring

Immediately turn the multivalve to "EXH+DRY" and the water in the chamber will be forced out and back into the water reservoir



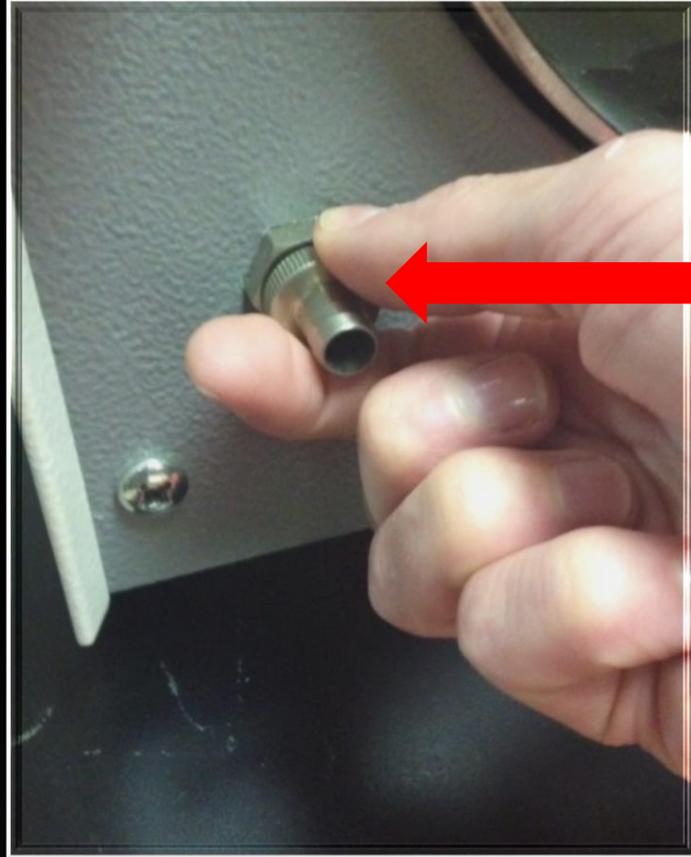


## Step 7

Once the pressure gauge reaches "ZERO", open the chamber door and use the drain valve and drain hose to drain ALL of the water out of the water reservoir into a pail.

The Chamber Brite solution is in the waste water





Step 8  
Tighten the drain valve.

Refill the water reservoir with  
clean steam distilled water



## Step 9

Immediately run another cycle the same way as before, but this time WITHOUT the Chamber Brite. This will remove any residue from the internal plumbing.

To refresh, let's look at these steps again...



## Step 9 (continued)

Make sure the water reservoir is filled with steam distilled water.

Set temperature to 273°F (134°C).

With the chamber door OPEN, turn the multivalve clockwise from "0" to "FILL WATER".





## Step 9 *(continued)*

Water will begin to flow in from the back of the chamber.

Monitor the flow until it gets to the indentation line at the front of the chamber.





**Step 9 (continued)**  
Turn the multivalve to  
"STERILIZE" (OLDER models  
are labeled "STE")

**Close and lock the door**



# Step 9 *(continued)*

For Valueklave or any "MK" models, set timer to 12 minutes

For all other "M" models, set the timer to 30 minutes





## Step 9 *(continued)*

The pressure gauge will rise to 30psi and when the timer reaches "Zero" the bell will ring

Immediately turn the multivalve to "EXH+DRY" and the water in the chamber will be forced out and back into the water reservoir





## Step 9 *(continued)*

Once the pressure gauge reaches "ZERO", open the chamber door and use the drain valve and drain hose to drain ALL of the water out of the water reservoir into a pail.





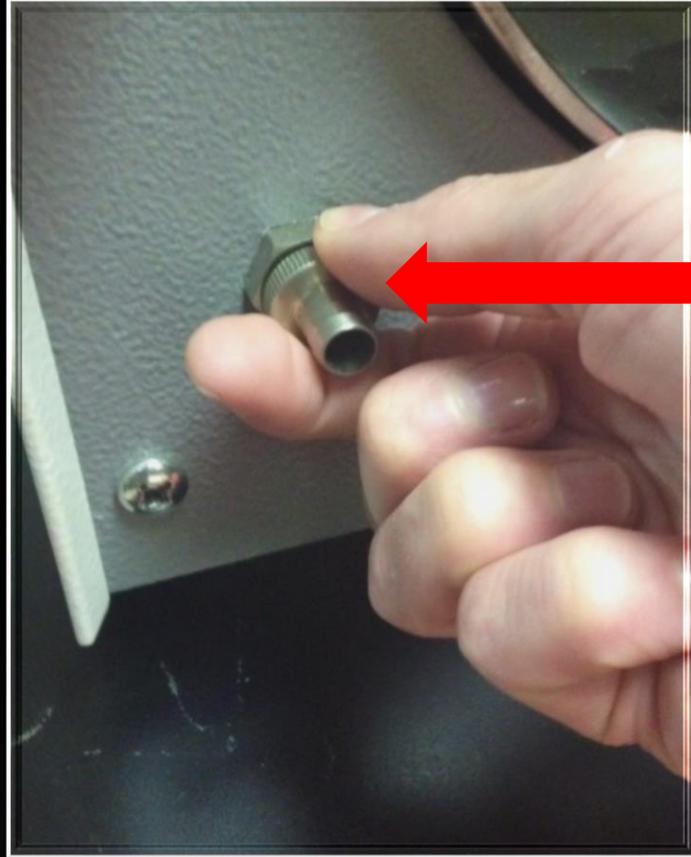
## Step 10

TURN THE AUTOCLAVE OFF AND  
ALLOW THE CHAMBER TO COOL.

Once the chamber is cool,  
wipe the inside of the  
chamber with a damp cloth  
or sponge to remove any  
residue.



  
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Step 11  
Tighten the drain valve.

Refill the water reservoir with  
clean steam distilled water



The chamber has now been cleaned with Chamber Brite.

The final step is to clean the tray holder and trays before returning them to the chamber.



Clean the tray holder and trays with a non-abrasive stainless steel cleaner and water, using a soft cloth or sponge.

It's important to rinse the tray holder and trays immediately with water to avoid staining the metal. **DO NOT** use steel wool, a steel brush or bleach or any cleaning agent containing bleach as this can damage the chamber and trays.





## Step 11

Once dry, return the trays and tray holder to the chamber.

The autoclave is now ready for use.



That concludes this demonstration of cleaning the chamber of a Tuttnauer Manual Autoclave with Chamber Brite.

Remember, cleaning and maintenance are an important part to the proper functioning of your Tuttnauer autoclave.



It is recommended that your autoclave be cleaned with Chamber Brite™ after every 20 cycles. For a full list of Scheduled & Preventative Maintenance, refer to the Operators Manual.



  
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