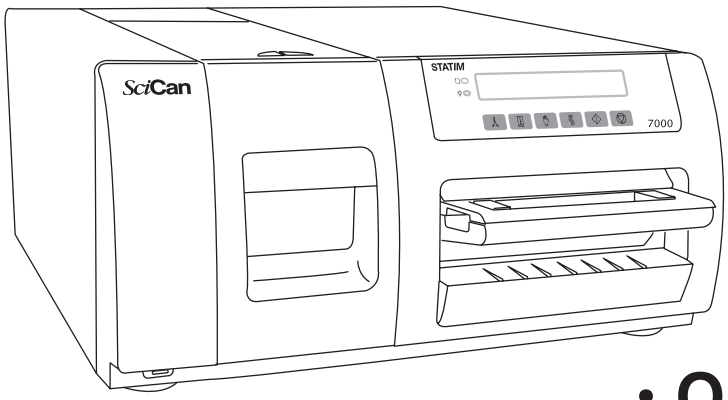
STAT*IM* 7000
CASSETTE AUTOCLAVE



- **Operator's Manual**
- **Gebruikershandleiding**
- **Manuel de l'utilisateur**
- **Bedienerhandbuch**
- **Manuale d'uso**
- **Manual del operario**
- **用户使用说明书**

P/N 95-110339 Rev. 3.0 STAT*IM* 7000 Operator's manual

SciCan
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1. Introduction

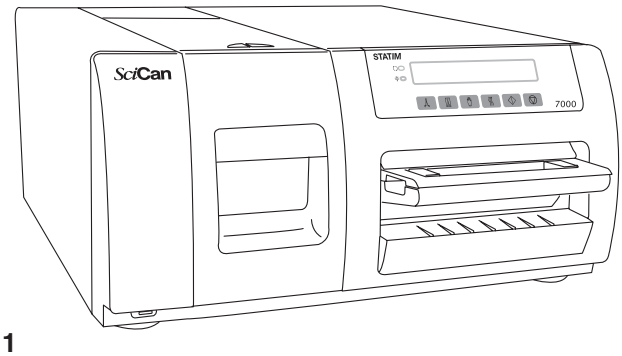


Figure 1

Congratulations on your selection of the STAT*IM* ® 7000 Autoclave. We are confident that you have purchased the finest equipment of its type. The Statim is a counter-top unit that features a number of sterilizing cycles designed to meet your needs and suitability for steam sterilization.

The details of installing, operating and servicing your Statim are all contained within this operator's manual. To ensure years of safe, trouble-free service please read these instructions before operating this unit and keep them for future reference. Operational, maintenance and replacement instructions should be followed for the product to perform as designed. Contents of this manual are subject to change without notice to reflect changes and improvements to the Statim product.

The Statim is suitable for the sterilization of dental and medical instruments designed to withstand steam sterilization. The Statim has not been designed to sterilize liquids, cloth loads, biomedical waste or materials not compatible with steam sterilization. The processing of such loads may result in incomplete sterilization and / or damage to the autoclave. For more information about instrument suitability for steam sterilization, consult the manufacturers' reprocessing instructions.

2. Important Information

2.1 Disclaimers

Do not permit any person other than certified personnel to supply parts for, service or maintain your Statim. SciCan shall not be liable for incidental, special or consequential damages caused by any maintenance or services performed on the Statim by a third party, or for the use of equipment or parts manufactured by a third party, including lost profits, any commercial loss, economic loss, or loss arising from personal injury.

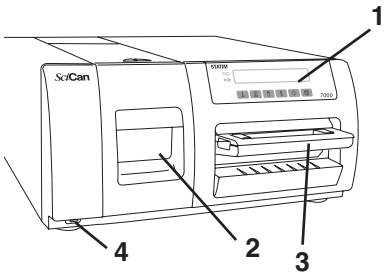
Unless you are using the SciCan water filter, use only steam-process distilled water in your Statim. Demineralized, or specially filtered water should not be used.

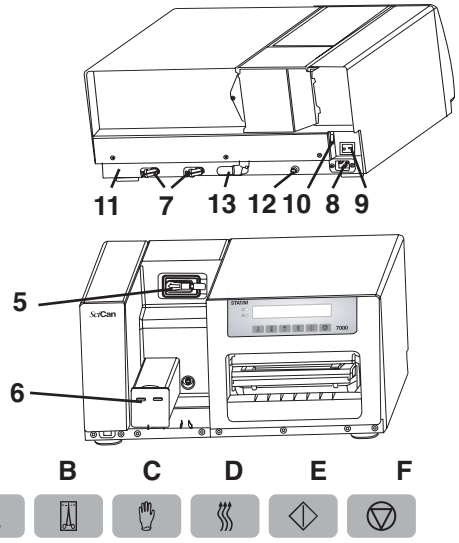
Never remove the cover of the unit and never insert objects through holes or openings in the cabinetry. Doing so may damage the unit and / or pose a hazard to the operator.

IMPORTANT: Follow local guidelines governing verification of the sterilization procedure.

2. Important Information

2.2 Unit Overview





1.	keypad and LCD		
2.	removable water reservoir		
3.	cassette		
4.	USB port (Not on all Models)	9.	power switch
5.	Biological Air Filter	10.	RS232 port
6.	water filter	11.	Serial number plate
7.	exhaust tube ports	12.	Drain tube
8.	power cable port	13.	Air filter

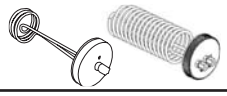
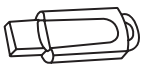
Figure 2

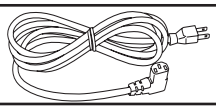
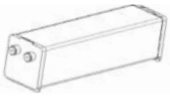
The following symbols appear on the unit:	UNWRAPPED Cycles (A)	WRAPPED cycles (B)	RUBBER/ PLASTICS cycles (C)
Power Indicator LED	Air Dry Only (D)	**START** Button (E)	**STOP** button (F)
Active Indicator LED	Caution: Refer to manual for details	Caution: Risk of electrical shock. Disconnect supply before servicing	Caution: Hot Surface and / or Hot Steam

The following symbols appear on the water filter cartridge.	Storage Temp.	Keep away from direct sunlight	Expiry Date

The following symbols may appear in the margins of this book	A potential Hazard to the operator.	A situation which may lead to a mechanical failure.	Important Information.

When you receive your Statim 7000 packing carton, the items listed below will be included.
If any of the items are missing, cont act your dealer immediately.

	**Cassette Tray with Lid**
	**Waste & Condenser Bottle (2)**
	**Bottle Lid Fitting (2)**
	**Bottle Tubing**
	**USB Memory Stick (not all models)**

	**Power Cord**
	**Stat-Dri**
	**Water Filter (2)**
	**Water Reservoir**

3. Installation

3.1 Environmental Considerations

There are several factors that may affect the performance of your Statim. Please review these factors, and select a suitable location in which to install the unit.

• **Temperature and Humidity**

Avoid installing your Statim in direct sunlight or close to a heat source (e.g. vents or radiators). The recommended operating temperatures are 15 ˚C to 25 ˚C (59 ˚F to 77 ˚F) with humidity of 25 % to 70 %.

• **Spacing**

The vents and openings on the Statim should remain uncovered and unobstructed. Leave a minimum of 25 mm / 1” between the top and 13 mm / 0.5” between the sides of the unit and any wall or partition.

• **Venting**

The Statim should be operated in a clean, dust-free environment.

• **Work Surface**

The Statim should be placed on a flat, level, water and heat resistant surface. Never install and operate the unit on a sloped surface.

• **Electromagnetic Environment**

The Statim has been tested and meets applicable standards for electromagnetic emissions. While the unit does not emit any radiation, it may itself be affected by other equipment which does. We recommend that the unit be kept away from potential sources of interference.

• **Electrical Requirements**

Use properly grounded and fused power sources with the same voltage rating as indicated on the label at the back of your Statim. The electrical rating for the Statim 7000 can be found in the “Specifications” section. The power cord must be plugged into a matching receptacle that has a dedicated electrical supply directly from the power source.

3.2 Unit Placement

When placing the unit on a counter top, ensure the following:

- Ensure the unit is placed on a strong, flat, level and water and heat resistant surface.
- The unit should be stable and all four feet should be securely in contact with the counter surface. This will prevent the unit from moving freely.

3. Installation

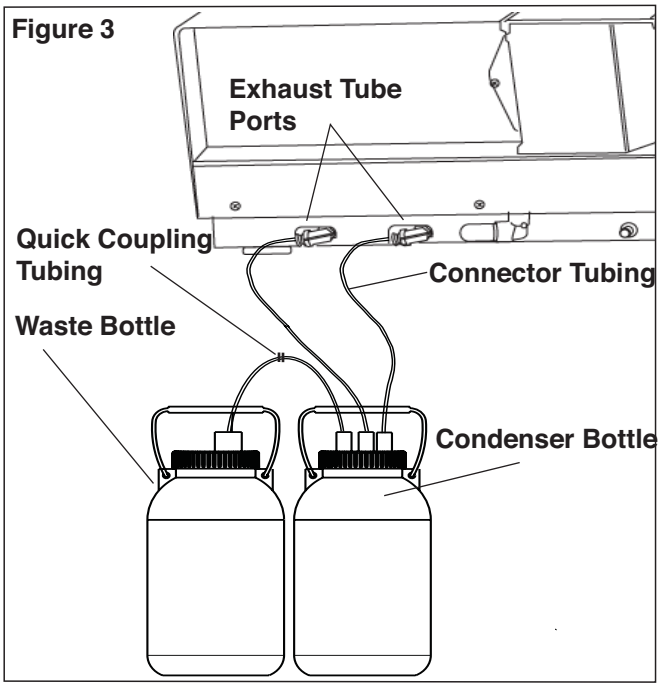
3.3 Connecting The Condenser and Waste Bottles

There are two bottles that need to be connected to the Statim 7000: the condenser bottle and the waste bottle.

1. The condenser bottle includes a lid with 3 connectors (2 large fittings and 1 small fitting) and a long copper condenser coil assembly.
2. The waste bottle includes the lid with 1 connector (1 small fitting) and a short copper condenser coil.

NOTE: Do not mix the bottles and parts as this could cause an overflow!

To connect the two bottles to the Statim 7000, follow these steps:



1. Insert the 2 exhaust tubes onto the unit exhaust tube ports and connect tightly.
2. Remove the 2 ferrule nuts from the large fittings on the bottle with 3 connectors and slide one nut onto each free end of the exhaust tubes. Do not coil the exhaust tubes.
3. Insert the exhaust tubes into the large fittings and hand tighten the 2 ferrule nuts.
4. Locate and remove the nut from the small fitting on the bottle lid.
5. Slide the nut onto one end of the quick coupling tubing.
6. Insert the tube into the small fitting and securely tighten.
7. Completely fill the condenser bottle with water and replace the lid.
8. Locate and remove the nut from the waste bottle (bottle with small condenser coil).
9. Slide the nut over the free end of the quick connect tubing.
10. Insert the tube into the waste bottle fitting and securely tighten.
11. Leave the waste bottle empty.
12. Place both bottles near and below the unit.
13. Replace the water in the bottles according to the Preventative Maintenance Schedule to avoid unpleasant odours and discolouration of the contents. A low level disinfectant, prepared to the manufacturer's instructions, may be added to remedy this situation.

3. Installation

3.4 Accessing the User Menu

The user menu allows the operator to reset warning messages, set the time and date, select languages, and modify other items that do not affect the sterilization process of the unit.

The User Menu can be accessed by using one of two methods:

1. Powering up the unit while pressing the ▽ button

   or

2. Pressing the ▽ and ≋ buttons simultaneously while the unit displays the "SELECT A CYCLE" message

= Next option
= Previous option
= Select The Option
= Save & Exit or Return To The Main Menu.

3.5 Setting the Time and Date

To set the time and date, follow these steps and watch the blinking cursor on the LCD:

Enter the User Menu and select the TIME & DATE option when it is displayed on the first line.

Or

Power **OFF** the unit. Hold down the button and power the unit back **ON**.

1. Using the (down) and (up) buttons, change the values.
2. To select the next field, press the button.
3. To save changes and return to the regular operating mode, press the ▽ button.
4. To quit without making changes, power the Statim **OFF**

14:23	11/15/2007
HH:MM	MM/DD/YYYY

Display when setting the time and date
(North American models only)

14:23	15/11/2007
HH:MM	DD/MM/YYYY

Display when setting the time and date

3.6 Language Selection

The messages displayed on the LCD can be changed to a number of different languages. To change the current language selections, enter the User Menu and select the LANGUAGE option when it displayed on the first line.

Or

ENGLISH

Display when scrolling through languages

3. Installation

Power **OFF** the unit. Hold down the button and power the unit back **ON**.

1. Using the (down) & (up) buttons, select your preferred language.
2. When the desired language is displayed, press the button to save the selection and return to the regular operating mode.

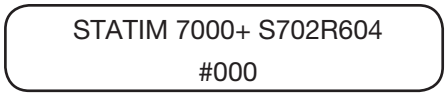
3.7 Assigning Unit Identifier Number

To assign an identifier number, enter the User Menu and select the UNIT ID option when it is displayed on the first line.

Or

Power off the unit and while holding down the button, power on the unit.

1. Using the (down) & (up) buttons, change the values.
2. To change the next digit (max. 3) press the button.
3. To save changes and return to the regular operating mode, press the button.



Display when assigning unit number

3.8 Installing the Water Filter or Water Bypass Cartridge

When the unit is first installed, either the provided water filter or the optionally purchased Water Bypass Cartridge needs to be installed. Please refer to “Changing the Water Filter.”

! Ensure time and date are set prior to installing the water filter.

3.9 Filling the Statim Reservoir

The reservoir can be filled in two ways:

1. By removing the reservoir from the unit and filling it seperately and then placing the reservoir back into the unit.
2. By removing the reservoir cover and pouring water directly into the reservoir.

! If using the SciCan water filter (SCWF1), the reservoir can be filled using your local tap water.

! If not using the SciCan water filter, a Water Bypass Cartridge (SCWFBP) must be purchased and used and then only use steam process distilled water containing less than 5 ppm total dissolved solids (having a conductivity of less than 10 uS / cm). This cartridge should be replaced annually.

The water conductivity can be checked on the LCD display by following procedure in “Reading the water quality”.

3. Installation

3.10 Shipping the Unit

When shipping the unit, you will need to empty any remaining water from system. To do so, follow these steps:

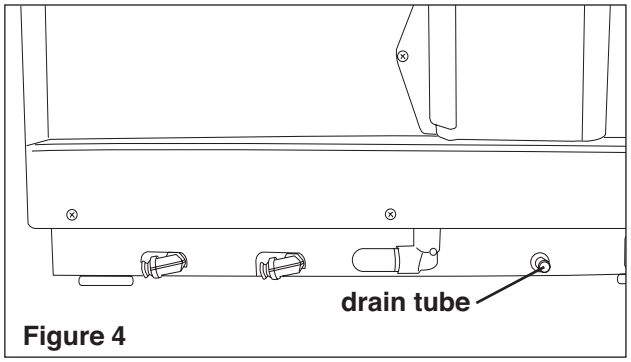


Figure 4

1. Remove the reservoir and empty its contents.
2. Re-insert the reservoir to the unit to allow any remaining water in the unit to drain into the reservoir.
3. Remove the reservoir and the water filter and empty any remaining water in the reservoir.
4. Place a water container below the rear of the unit.
5. Pull out the drain tube completely and remove the drain tube plug to empty any remaining water into the water container.
6. Replace the drain tube plug and push the drain tube back completely.
7. Repack the unit in the original packing materials and include all accessories originally included with the unit.
8. Specify heated and insured shipping.

4. Instructions For Use

4.1 Using the Cassette

When removing the cassette after a cycle, exercise caution as the cassette and contents may be hot and contain steam

• **To open the cassette:**

1. Push the carry handle into the open position.
2. Put your hands on either side of the cassette handle.
3. Insert your forefingers in the slots and place your thumbs on the thumb pads.
4. Press down with your thumbs and pull up with your forefingers until the lid opens.
5. Raise the cassette lid and disengage from the tray. Rest the lid on its outer surface.

• **To close the cassette:**

1. Align the hinge tab on the lid with the hinge slot on the tray.
2. As you begin to close the lid, the hinge tab and slot will engage.
3. Place the carry handle into the closed position.

• **Inserting the cassette into the Statim 7000:**

1. Hold the cassette handle in one hand and the carry handle in the other.
2. Place the end of the cassette into the unit and drop the carry handle into its closed position.
3. Gently push the cassette inward until you hear a click sound.

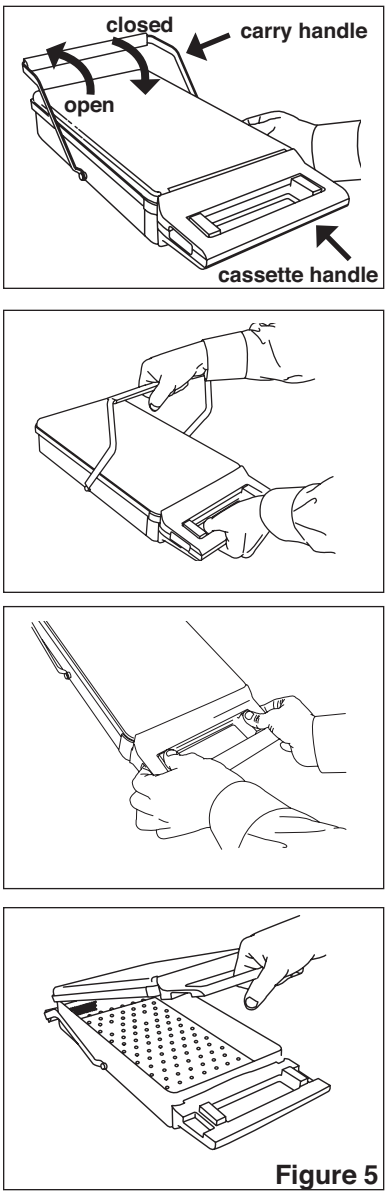


Figure 5

Never push the cassette into the Statim with force as the interior components could be damaged.

• **STAT-DRI**

Treatment of the interior surfaces of the cassette with the Stat-Dri drying agent, provided with your unit, will enhance the drying process. (Replacement bottles are available from SciCan, order number 2OZPLUS, 8OZPLUS, 8OZPLUST, 32OZPLUS).

4. Instructions For Use

4.2 Preparing and loading instruments

The Statim 7000 has been tested to a maximum instrument load of 3.4 Kg (7.5 lbs) for Unwrapped and Wrapped cycles and 0.8 Kg (1.7 lbs) for the Rubber and Plastics cycle. For information on how to make up the appropriate weight, consult the “Instrument Mass Guide” later in this chapter. Before loading any instruments into the Statim 7000, consult the manufacturer’s reprocessing instructions.

• **Clean Instruments**

Clean and rinse all instruments before loading them into the cassette. Disinfectant residues and solid debris may inhibit sterilization and damage the instruments, the cassette, and the Statim. Lubricated instruments must be wiped thoroughly and any excess lubricant should be removed before loading.

• **Unwrapped Instruments**

Arrange unwrapped instruments on the instrument rack in the tray so that they do not touch one another. This ensures that steam reaches all surfaces and will promote drying.

!

Instruments must not be stacked or piled in the cassettes, as this will impede the sterilization process.

• **Wrapped Instruments**

Place the instruments into autoclave bags according to the manufacturer’s instructions. Place the wrapped instruments on the pouched load rack (01-110301S) and arrange them to avoid overlap. Ensure that all wrapped loads are dry before handling and /or storage to maintain sterility.

SciCan recommends the use of paper / paper and plastic / paper autoclave bags manufactured in accordance to EN 868 or pouches such as the Crosstex sterilization pouch. Loosely pack instruments in the bags to allow steam penetration to all instrument surfaces.

Instruments that have been loaded into an instrument cassette can be packaged into a sterilization wrap such as the Dextex II.

!

The Use of cloth wraps is not recommended in the Statim 7000.

• **Rubber and Plastic Instruments**

The following materials **can** be sterilized in the Statim:

nylon, polycarbonate (Lexan™), polypropylene, PTFE (Teflon™), acetal (Delrin™), polysulfone (Udel™), polyetherimide (Ultem™), silicone rubber, and polyester.

!

When loading rubber and plastic instruments in the tray, leave a space between the instruments and the cassette walls. This ensures that steam reaches all surfaces, and will promote drying.

4. Instructions For Use

The following materials **cannot** be sterilized in the Statim:

polyethylene, ABS, styrene, cellulosics, PVC, Acrylic (Plexiglas™), PPO (Noryl™), latex, neoprene, and similar materials.

Use of these materials may lead to instrument or equipment damage. If you are unsure of your instrument's material or construction, do not load into your Statim until you have checked with the instrument manufacturer.

• **All Instruments**

The Statim is **NOT** intended for sterilizing textiles, liquids or biomedical waste. Instruments will remain sterile after a successful cycle until the cassette is disengaged from the unit. Unwrapped instruments, once exposed to ambient or external conditions, cannot be maintained in a sterile state.

If sterile storage is desired, package the instruments to be sterilized in autoclave bags or sterilization wrap, according to the instrument manufacturer's instructions. Then allow the wrapped cycle to run until the air-dry phase is complete.

Best Practice: Allow instruments (wrapped or unwrapped) to dry completely prior to handling. Wrapped or pouched instruments must not touch each other to promote drying and enable effective sterilization.

SciCan recommends the final user carefully choose the most appropriate sterilization cycle according to the recommendations of their leading infection control authorities and local regulatory guidelines / recommendations.

• **Instrument Mass Guide**

Instrument	Typical Instrument Mass
Scissors	30g (0.96ozs)
Dental Scalers	20g (0.64ozs)
Forceps	15g (0.48ozs)
Dental Handpiece	40 to 60g (1.3 to 1.9ozs)
Instrument Cassette	747g (26ozs)
Suction Cannula	10g (0.32ozs)
Plastic mouth mirror	8g (0.3ozs)

Instrument	Typical Instrument Mass
Impression Tray	15 to 45g (0.48 to 1.5ozs)
Plastic x-ray positioning ring	20g (0.64ozs)
Phaco handpieces	110g (3.89ozs)
Rubber dam frame	27g (0.95ozs)
Orthodontic debanding instruments	59g (2.1ozs)

NOTE: The above instruments are to be used as reference only. For the exact weights of your instruments, consult the manufacturer's specifications.

4. Instructions For Use

• Biological Indicators

SciCan recommends the EZTest™ Steam biological indicators by SGM Biotech Inc. for routine monitoring of the Statim 7000. This system consists of self contained biological indicators and incubators. It is important to select the correct biological indicator for the cycle being tested.

For detailed instructions on how to handle, use and dispose of these indicators, please consult the product literature accompanying the EZTest™ biological indicators or contact SGM Biotech Inc.

Because the recommended incubation time for the EZTest™ indicators is 24 hours, it is recommended that the biological indicator tests be conducted so that the incubation period occurs during a period of planned downtime such as the last cycle before a weekend

• Chemical Indicators

SciCan recommends that chemical process indicators suitable for steam sterilizers be used in routine monitoring of the Statim 7000. Of the many brands on the market, it is important to choose the correct type. Use only indicators designed for steam sterilization at 134°C for the Unwrapped and Wrapped cycles, and indicators designed for steam sterilization at 121°C for Rubber and Plastics. SciCan recommends the use of SciCan's Test Strip Indicators (TST) Strips (SciCan p/n SCI-134) for unwrapped and wrapped cycles. Use at least one indicator for each load processed. Follow the indicator manufacturer's instructions closely.

• Routine Monitoring

Chemical process indicators suitable for steam sterilizers should be included in or on each package or load being sterilized. In addition, the weekly use of biological indicators, which allow you to ascertain whether the instruments have been exposed to sterilization conditions is recommended. For the Statim 7000 the EZTest™ Steam by SGM Biotech Inc. is a recommended biological indicator for routine monitoring. It is important to select the correct biological indicator for the cycle being tested.

For detailed instructions on how to handle, use and dispose of both the biological and chemical indicators, please consult the product literature accompanying the indicators or contact the manufacturer directly.

4. Instructions For Use

To use the indicators with the Statim 7000, follow these steps:

1. Place the appropriate biological and / or chemical indicator in the Statim 7000 cassette in the back left corner.
2. Process the load in the sterilizer according to your usual practice.
3. Ensure that the message “Cycle Complete” is displayed on the LCD after the cycle is finished.
4. Recover the biological and / or chemical indicator and process further according to the literature that accompanied the indicator.
5. Monitor the indicator for the duration of the incubation period.

At the first indication of a potential sterilization failure:

1. Do not process any more instruments until favourable test results have been returned.
2. Ensure the correct indicator type was chosen.
3. Ensure the chamber was not overloaded. Consult the earlier portion of this section for proper loading instructions.
4. If the results do not change, do not process any more instruments within the Statim 7000 and contact your SciCan dealer for further assistance.

Because the recommended incubation time for the EZTest™ indicators is 24 hours, it is recommended that the biological indicator tests be conducted so that the incubation period occurs during a period of planned downtime such as the last cycle before a weekend.

4. Instructions For Use

4.3 Selecting a Cycle

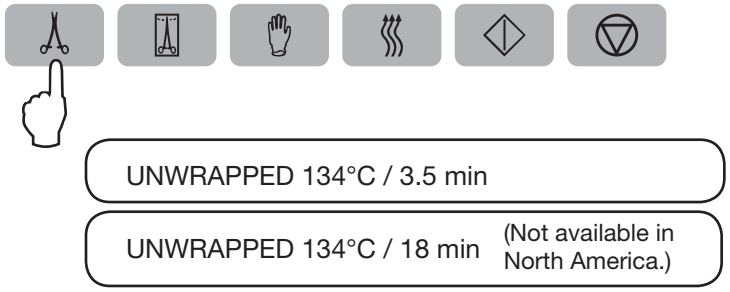
The Statim 7000 sterilization cycles are each designed to sterilize a specific type of load. Each cycle can be selected by pressing the , or buttons.

The types of instruments, sterilization requirements and a graph depicting each cycle characteristics are described over the following pages.

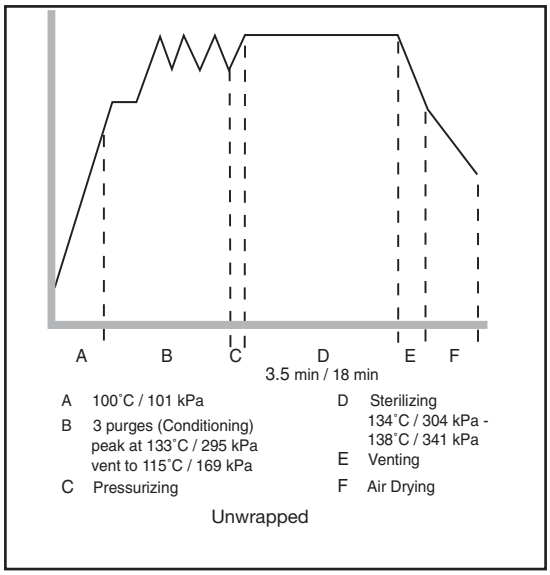
1. Unwrapped Cycles

The unwrapped cycle is a general purpose sterilization cycle used to sterilize up to 3.4kg (7.5lbs) of unwrapped metal instruments such as pliers, re-usable burs, scalers, forceps, dental and phaco handpieces. Consult the Instrument Mass Guide in the previous section for information regarding approximate instrument weights in order to not exceed the maximum load. At the end of the cycle's sterilization phase, air drying will commence for 12 minutes. Air-drying can be interrupted at any time by pressing the button. This drying duration can be adjusted via the User Menu options.

To select the unwrapped cycle:
Press the button to scroll through the available cycles.



Once the desired cycle is displayed, press the button.



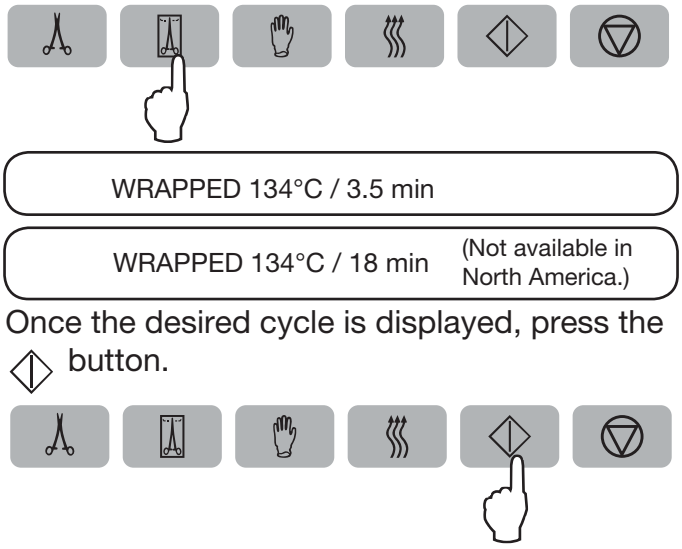
! Please note that the 18 minute cycle is only available on some EN 13060 compliant models. Additionally, this cycle must be unlocked by your Service Technician during setup as the factory default is set to only provide the 3.5 minute cycle. Once the cycle has been activated, the last unwrapped cycle that was run will be displayed the next time this cycle is selected. This cycle is not available in North America.

4. Instructions For Use

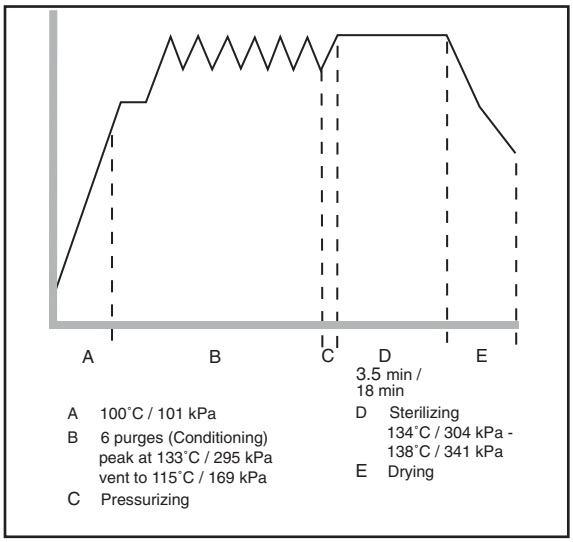
2. Wrapped Cycles

The Wrapped Cycle is used to sterilize up to 3.4kg (7.5lbs) of solid and hollow metal instruments which have been sealed or wrapped in autoclavable bags or sterilization wraps. Instruments such as pliers, re-usable burs, scalers, forceps, dental and phaco handpieces may be processed in this cycle. Consult the Instrument Mass Guide in the previous section for information regarding approximate instrument weights in order to not exceed the maximum load. At the end of the cycle's sterilization phase, drying will commence for 12 minutes. Air-drying can be interrupted at any time by pressing the ▽ button. This drying duration can be adjusted via the User Menu options.

To select the wrapped Cycle: Press the button to scroll through the available cycles.



Once the desired cycle is displayed, press the ◇ button.



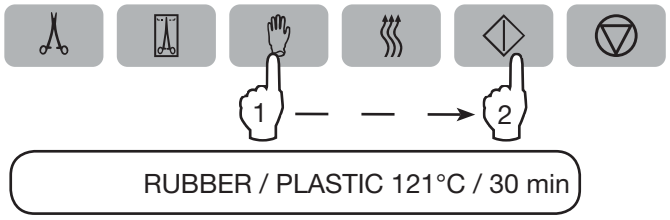
! Please note that the 18 minute cycle is only available on some EN 13060 compliant models. Additionally, this cycle must be unlocked by your Service Technician during setup as the factory default is set to only provide the 3.5 minute cycle. Once the cycle has been activated, the last wrapped cycle that was run will be displayed the next time this cycle is selected.This cycle is not available in North America.

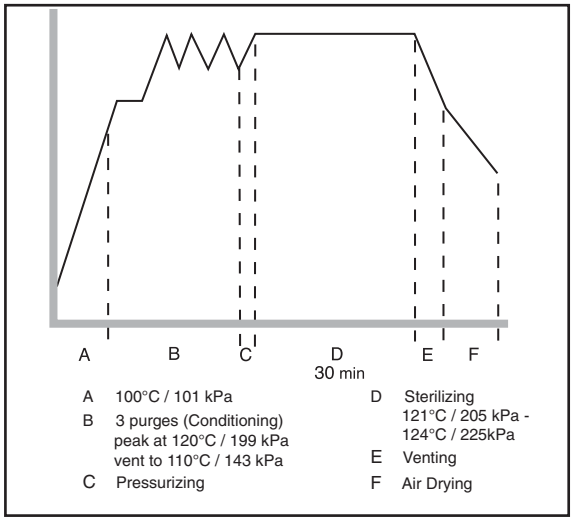
4. Instructions For Use

3. Rubber and Plastics Cycle

The Rubber and Plastics Cycle is used to sterilize up to 0.8kg (1.7lbs) of unwrapped instruments constructed of materials listed on page 12. Instruments such as x-ray rings, rubber dam frames and orthodontic debanding instruments may be processed in this cycle. Consult the Instrument Mass Guide in the previous section for information regarding the approximate instrument weights in order to not exceed the maximum load. At the end of the cycle's sterilization phase, drying will commence for 12 minutes. Air-drying can be interrupted at any time by pressing the ▽ button. This drying duration can be adjusted via the User Menu options.

To select this Cycle: Press the ✋ button, then press the ◇ button.





4. Air Dry Only Cycle

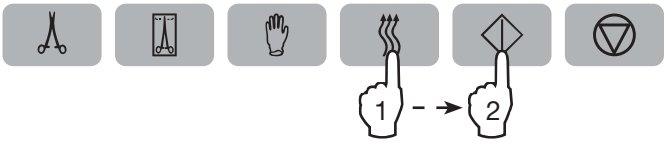
This is not a sterilization cycle.

The Drying Cycle starts automatically after each sterilizing cycle and has been preset to run for 12 minutes. Air drying may be interrupted by pressing the ▽ button. To ensure that the contents of the cassette or pouch are dry, drying time for all sterilization cycles have been pre-set to 12 minutes. The Unwrapped and R&P Cycles are adjustable from 0 – 30 minutes, in 1 minute increments, and the Air Drying Cycle from 1- 30 minutes in 1 minute increments. The Wrapped Cycles are adjustable from 7 – 30 minutes, in 1 minute increments. Dryness is important for unwrapped instruments for corrosion prevention. For wrapped instruments, a dry wrap is required to maintain sterility.

4. Instructions For Use

If the ▽ button is pressed during the air drying stage of the sterilization cycle, and the cassette has not been removed from the autoclave, the Air Dry Only Cycle may be used to complete the sterilization cycle. If the cassette has been removed from the autoclave, it may not be reinserted for the Air Dry Only Cycle. If the cassette contains wrapped instruments and the wraps are not dry when the cassette is opened, the instruments must be handled in an aseptic manner for immediate use or resterilized.

To start, press the ≋ button, then press the ◇ button.



When started independently, this cycle has been preset to 12 minutes.

! **NOTE**: The air dry only cycle uses heated filtered air. Heat sensitive instruments such as rubber and plastics should not be processed in this cycle.
To change the drying time, follow these steps:

1. Access the users menu by pressing the ▽ and ≋ buttons simultaneously.
2. Press the ✂ to scroll through the cycle menu.
3. When you have found the cycle you wish to change, press the ✋.
4. Adjust the drying time by pressing the ✂ to increase the drying time and press the ▯ to reduce the drying time.

! **NOTE**: Drying times have been set to achieve optimal drying performance. Reduction in these values may have a detrimental effect on the dryness of the finished load. Instruments in wrapped packs should not be considered suitable for sterile storage if not completely dry.

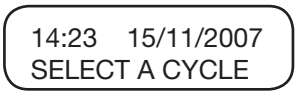
5. When the desired drying time has been selected, press the ✋ to enter the change.
6. Press ▽ .

4. Instructions For Use

4.4 Running a Cycle

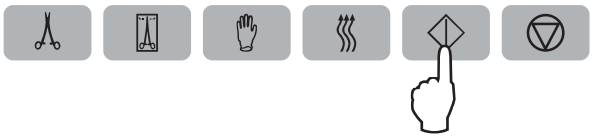
To operate each cycle, follow these steps and watch the LCD.

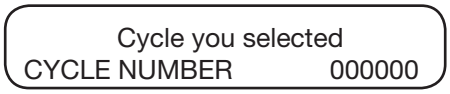
1. Turn the power switch at the back of the unit to **ON** and wait for the LCD to display:



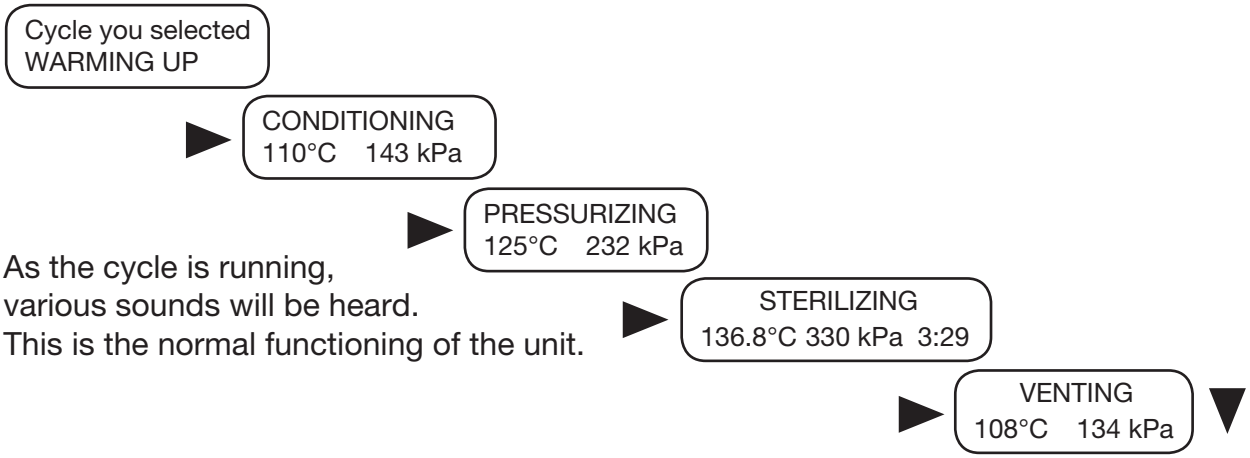
2. Choose the appropriate cycle by following "Selecting a cycle" in section 4.3

3. Prior to the cycle starting, the unit's cycle counter displays the total number of cycles the unit has run to date.





4. As the unit operates, the cycle progress is displayed on the LCD:



As the cycle is running, various sounds will be heard. This is the normal functioning of the unit.

4. Instructions For Use

The buzzing noise during the air drying stage is the compressor operating. The air drying phase of the cycle may be interrupted at any time by pressing the ▽ button. The display will read:

PLEASE WAIT
CYCLE COMPLETE → STOP BUTTON PRESSED
CHECK FOR DRYNESS

When the air drying stage is finished the display reads:

REMOVE CASSETTE
CYCLE COMPLETE

If a sterilization cycle is successful the reminder tone will sound and the amber light flashes until the ▽ button is pressed or the cassette is removed from the unit.

! Caution: Once the cycle has been completed, the cassette maintains aseptic conditions until it has been opened.

4.5 Stopping a Cycle

To stop a cycle press the ▽ button. If the ▽ button is pushed, the cassette is removed, or the unit detects a problem while operating, the cycle will stop. Once a cycle has been stopped, the ▽ button must be pressed before another cycle can be started. The display reads any of the following messages:

CYCLE FAULT XXX
NOT STERILE

or

CASSETTE REMOVED
NOT STERILE

! If the display shows the message, CYCLE FAULT or NOT STERILE, the cassette contents are not sterile! See section 7. Troubleshooting, for more information.

If the air drying stage of the cycle is interrupted, do not store wrapped instruments that were in the cassette unless they are dry.

5. Maintenance

5.1 Cleaning the Cassette

Keeping the Statim cassette and rack clean is good clinical practice and assists in the function of the unit. SciCan recommends that the interior surface be cleaned at least once a week. Use dishwashing soap or a mild detergent that does not contain chlorine. Scrub the inside of the cassette and both sides of the rack with a cleaning pad designed for use with Teflon™ coated surfaces. After scouring, rinse thoroughly with water to remove all traces of the detergent.

Cleaning these items is very important if you regularly sterilize lubricated instruments. Coating the entire inside surface of the cassette and rack with STAT-DRI drying agent induces water to form an even coat on the inside surface, without beading. The water in contact with the hot surfaces also evaporates much more efficiently. Spotting is minimized and instruments dry much better. STAT-DRI should be applied every 10 cycles, and after every cassette cleaning.

5.2 Cleaning the Water Reservoir

Check the reservoir for dirt or particles. The reservoir may be cleaned by removing and cleaning the inside of the reservoir with dishwashing soap or a mild detergent that does not contain chlorine. Before using, rinse thoroughly with water to remove all traces of the detergent. Use of chemicals or other cleaning agents is not recommended and could cause damage to the unit.

5.3 Cleaning the Exterior Surfaces

Use a soft cloth moistened with soap and water to clean all exterior surfaces. Do not use harsh cleaning chemicals or disinfectants.

5.4 Changing the Biological Air Filter

The filters should be replaced every six months or after 500 cycles to maintain an adequate supply of clean air during the AIR DRYING cycle. The Statim 7000 monitors the number of cycles your unit has run and provides you a message on your LCD every 500 cycles to “CHECK / REPLACE - AIR FILTER”

To change the biological air filter, follow these steps.

1. Power the Statim **OFF**.
2. Remove the water reservoir to access the biological air filter. Disconnect the rubber tubes from the filter, remove the filter from the filter bracket and discard. As you remove the filter from the bracket, note the orientation of the arrow mark on the filter and the bracket.
3. Before installing the replacement biological air filter (SciCan p/n 01-102119S) check that the arrow mark on the filter matches the direction of the arrow on the bracket.

5. Maintenance

4. Gently press the replacement filter into the filter bracket. The arrow mark of the filter should be facing out and pointing to the left. Re-attach tube.
5. Replace the water reservoir.
6. Reset the warning message. To reset the warning message, enter the User Menu and select the AIR FILTER option when it is displayed on the first line.
7. Press the button when RESET is displayed on the first line.
8. Press the button to exit and return to the SELECT CYCLE screen.

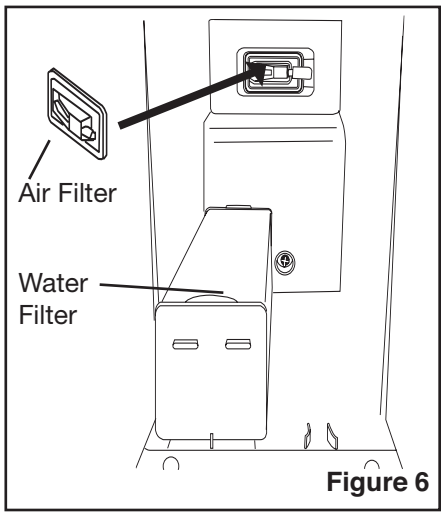


Figure 6

5.5 Replacing the Cassette Seals

To ensure optimum performance of the Statim 7000, the seal is equipped with an electronic RFID tag to ensure only authentic seals are used and also to provide the user with a LCD message to replace the seal after 1000 cycles. The seal and O-rings should be changed every 1000 cycles or every 12 months.

Replacement seals are available from SciCan (p/n 01-110295S Cassette, Seal Kit).

When the cassette seal has undergone 1000 cycles, an early message on the LCD will display SEAL LIFE WARNING - 100 CYCLES REMAINING, with a warning beep. The seals should be changed immediately. After 1100 cycles, your unit will stop operating and a message will be displayed SEAL LIFE EXPIRED, REPLACE. Replacement seals are available from your SciCan dealer.

To change the cassette lid seal, follow these steps:

1. Place the cassette lid and the new seal on a clean work surface.
2. Examine the position of the old seal in the cassette lid and arrange the new seal in the same orientation, next to the lid.
3. Remove the old seal and discard.
4. Clean any residue out of the seal channel and flush out the channel with distilled water.
5. Lubricate the new seal with the liquid seal lubricant provided.
6. Align the RFID tag in the new seal with the holes in the lid.
7. Insert the rounded edge of the seal under the round lip of the lid.

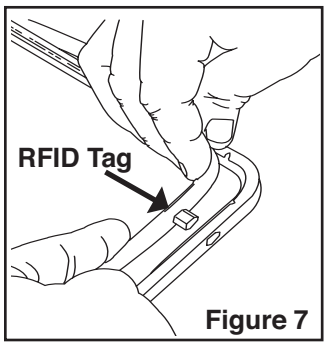


Figure 7

NOTE: When inserting the seal, seven round nibs should be visible. The nibs should fit flush with the lid's outer surface. Ensure the seal is completely inserted. Feel around the periphery to ensure the seal is securely seated.

5. Maintenance

To change the cassette tray seals (O-Rings), follow these steps:

1. Remove the perforated rack (01-110294S)
2. Remove the tray exhaust duct (01-110297S)
3. Unscrew the exhaust coupling (Cassette Outlet Coupling 7000, 01-110292S) and carefully remove the O-ring and seal.
4. Find the matching seal from the kit and install onto the port.
5. Secure the exhaust coupling to the cassette ensuring the metal spring is on the outer wall of the cassette.
6. Unscrew the inlet coupling and steam deflector (Cassette Inlet Coupling 7000, 01-110291S) and carefully remove the O-Ring and seal.
7. Find the matching seal from the kit and install onto the port.
8. Secure the second coupling to the cassette ensuring the metal spring is on the outer wall of the cassette.
9. Replace the exhaust duct and perforated rack.
10. The O-rings should be lubricated with the cotton swabs included in the kit if there is any resistance inserting the cassette. (p/n 01-110295S Cassette, Seal Kit)

NOTE: During a cycle, steam may appear between the lid and the tray. If this persists, remove the cassette and check that the seal is correctly installed.

⚠ Be careful. The metal parts may be hot, and the cassette may contain hot steam.

! For the unit to function effectively, the steam deflector and perforated rack MUST be placed back in the cassette in the proper position.

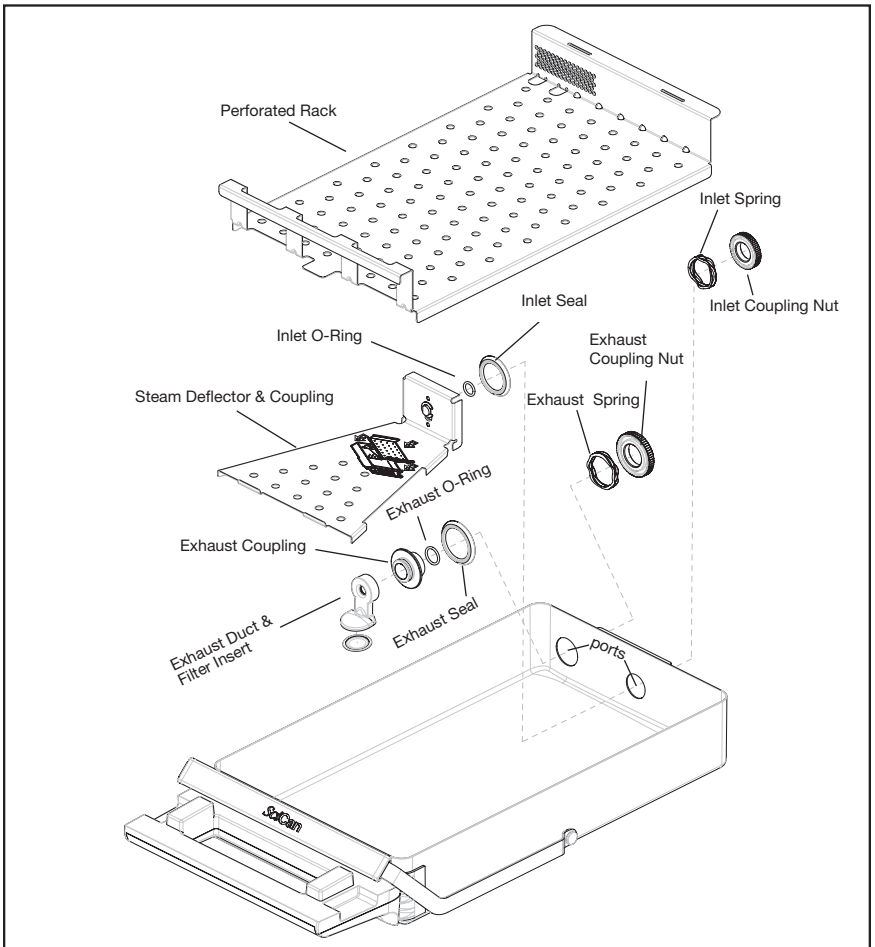


Figure 8

5. Maintenance

5.6 Maintaining Fluid Levels

Unless you are using the SciCan Water Filter (SCWF1 Water Filter Cartridge), that allows the use of tap water, you should only use steam-process distilled water containing less than 5 ppm total dissolved solids (having conductivity of less than 10 µS / cm) in the Statim. Each time you refill the reservoir, empty the waste bottle. Empty the waste bottle often to avoid unpleasant odors and discoloration of the contents. (A low-level chlorine-free disinfectant, prepared according to the manufacturer's instructions, may be added to the waste bottle to remedy this situation). The condenser bottle should be cleaned and refilled to the top of the bottle on a weekly basis.

5.7 Changing The Water Filter

If you are using the SciCan Water Filter, it will need to be changed regularly to ensure clean water is entering the internal components of the unit. When the water filter cartridge is close to being exhausted, a message will be displayed when a cycle is selected and an audible tone reminds you to order or replace the filter. This message will appear for approximately two seconds and then disappear, and then the chosen cycle will start. This message will continue to appear every time a cycle is chosen until the water filter is replaced with a new filter. If the filter is not replaced and has been 100% used, the unit will not operate until a new filter is installed.The water filter has a shelf life and should be used prior to the expiry date inscribed on each filter.

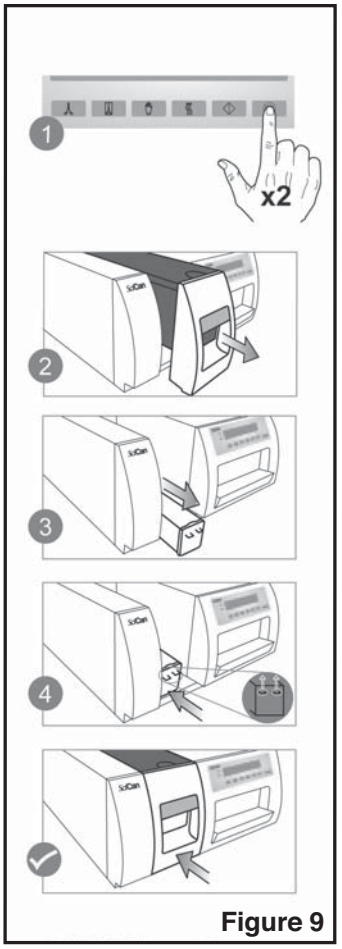


Figure 9

When installed, the water filter has a maximum life of 60 days, depending on the quality of the tap water. The unit will notify you prior to the expiry or exhaustion of the filter.

The water filter can be found under the removable water reservoir.

To replace this filter, follow these steps:

1. Press the ▽ button twice.
2. Remove the water reservoir.
3. Remove the used water filter and discard.
4. Remove the water filter from its packaging.
5. Insert the new water filter. The water filter should be placed flat on the bottom, with the tabs on the water filter facing upwards, and then pushed inward until the filter is fully seated along the bottom of the unit.
6. Replace the water reservoir.

At the beginning of the next cycle, the unit will prepare the new filter for about 2 minutes and display the message PLEASE WAIT.

5. Maintenance

The factory default setting is for the unit to work with a water filter installed. If you choose to use steam process distilled water instead of tap water, you can install the Water ByPass Cartridge (SCWFBP) and set up the unit to work accordingly.

To set up the unit to work with the Water ByPass Cartridge, follow these steps:

1. Remove the water reservoir and water filter as described previously and replace with the Water ByPass Cartridge.
2. Enter the User Menu (see section 3.4) and select the WATER FILTER option when it is displayed on the first line.
3. Using the (down) & (up) buttons, choose NOT INSTALLED, then press .
4. Exit the user menu by pressing .

To use the SciCan Water Filter Cartridge, you will need to enter the user menu and choose INSTALLED under the WATER FILTER option.

5.8 Reading Water Quality

1. Access User Menu. User menu can be accessed by either holding the button while turning on the machine or by simultaneously pressing and button while the unit is a idle and LCD displays “Select a Cycle”
2. Using the and buttons, scroll to Water Quality and select it by pressing the button.

>Water Quality
CD=XXµS / yyy / z.z ppm

CD = conductivity xx = micro Siemens value
yyy = engineering value z.z = parts per million value

5.9 Drying Performance

Regular use of Stat-Dri is recommended to ensure optimal drying performance. If you notice water beading on the cassette lid, apply Stat-Dri to all internal metal components of the cassette. If the drying performance does not improve, increase the drying cycle time. The drying cycle duration can be adjusted via the user menu (see Accessing the User Menu in the Installation chapter for more information).

Also, to enhance drying, ensure the appropriate packaging is used for the appropriate load. For pouches less than 7.6 cm (3”) in width, use the Cassette Pouched Load Rack (p/n 01-110301S)

NOTE: The exhaust duct filter should be checked regularly to ensure it is free of debris. If there is debris on the filter, it can be cleaned by placing the filter under running water.

5. Maintenance

5.10 Preventative Maintenance Schedule

To ensure trouble-free performance, both the operator and the dealer must follow a preventative maintenance schedule.

NOTE: Please refer to your National, Regional, State or Safety laws for any additional reoccurring user testing that may be required.

The schedules below describe necessary actions.

Operator		
Daily	Run Air Dry Cycle	• It is recommended to run an Air Dry Cycle at the end of every work day to allow any residual moisture remaining in the system to dry
	Water Reservoir	• Check the reservoir for dirt. Clean and rinse if necessary. • For ophthalmic use, drain at the end of every workday, leave empty, and refill at the start of the next workday.
	Waste Bottle	• Empty the waste bottle every time you refill the water reservoir. • You may also add some chlorine-free disinfectant.
Weekly	Cassette	• Wash the interior of the cassette with dishwashing soap or a mild detergent that does not contain chlorine. • Scrub the inside with a cleaning pad designed for use with Teflon™ - coated surfaces. • After removing all traces of the detergent, treat interior surfaces of the cassette with the STAT-DRI drying agent to enhance the drying process. Order more STAT-DRI from SciCan quoting 2OZPLUS, 8OZPLUS, or 32OZPLUS.
	Biological Air Filter	• Check the filter for dirt and moisture. Replace if dirty. Call for service if wet.
	Condenser bottle	• The condenser bottle should be cleaned and refilled to the top of the bottle.
Every 6 months	Biological Air Filter	• Replace every 500 cycles or six months (whichever is first).
Every year	Cassette Seal / O-Rings	• Replace every 1000 cycles or 12 months (whichever is first).
	Water Bypass Cartridge	• The Water Bypass Cartridge should be replaced annually.

Technician		
Once a year	Cassette	• Check the tray, lid and seal for damage. Replace if necessary.
	Biological Air Filter	• Inspect the biological filter for moisture. Replace check valve if filter is wet.
	Solenoid Valve	• Inspect the valve and clean if dirty. Replace the plunger if defective.
	Check Valve	• Remove the exhaust tube from the back of the unit. Start the Air Drying Cycle and check for air coming from the fitting. • Remove the air compressor tube from the check valve inlet while running a cycle. Make sure no steam is leaking from the valve. Replace if there are any leaks.
	Calibration	• Calibrate the unit. NOTE: For North American models, the pressure is calculated from the calibrated validation thermocouple reading. No pressure calibration equipment is needed during the calibration procedure.
	Air Filter	• Check the air filter on the back of the unit and replace if dirty.

6. The Communication Port

6.1 Communication Port

There are up to two communication ports on the Statim 7000. A RS232 port is located on the back of the unit. Some models come with an additional USB port on the front of the unit.

For units not equipped with a USB port on the front of the unit, the RS232 port will allow you to connect to an external printer or a SciCan Data Logger that records and stores cycle information onto a mass storage device (MSD) such as a USB Flash Drive or SD memory card.

For units equipped with a USB port on the front of the unit, the RS232 port will only allow you to connect to an external printer. The front mounted USB will be used to record and store cycle information onto a USB Flash Drive

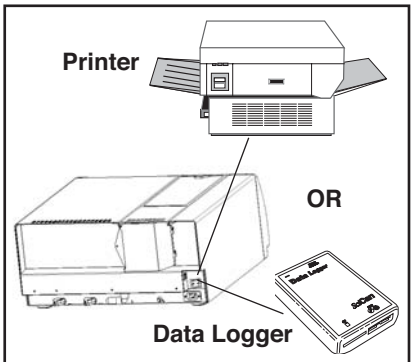


Figure 10

For printing to a RS232 printer, you may need to purchase a recommended printer (see list below) from your local computer or electronics store.

Printer Model	**End Of Line CR/LF**	**Serial Port Bitrate**	**Printer user ° character**
Epson TM-U220D (C31C515603)	CR/LF	9600	248 [0xF8]
Citizen IDP-3110-40 RF 120B	CR	9600	N/A
Star Micro SP212FD42-120	CR	9600	210 [0xd2]
Star Micro SP216FD41-120	CR/LF	9600	210 [0xd2]
Star Micro SP512MD42-R	CR/LF	9600	210 [0xd2]

SciCan Data Logger	**End Of Line CR/LF**	**Serial Port Bitrate**	**Printer user ° character**
For mass storage device*	N/A	9600	32 [0xd2]

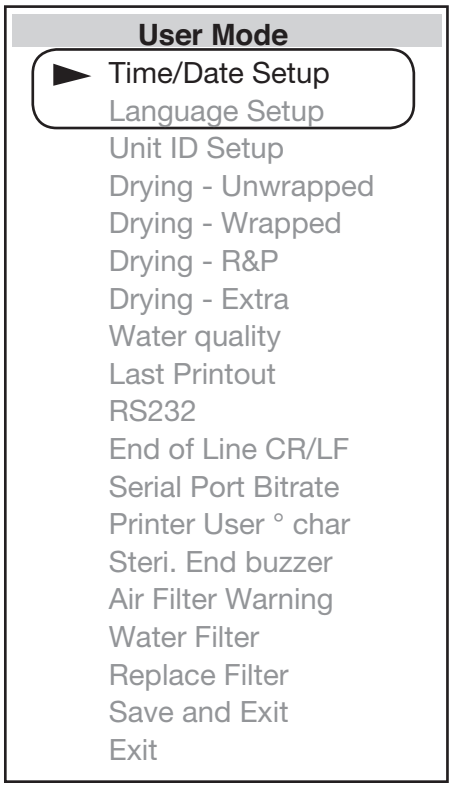
** Due to a variety of software programs/viewers that can be used to view the data files stored on a mass storage device such as a USB memory stick, we recommend the above settings*.

For your Statim to communicate to a specific device, you must enable this function through the User Setup menu. Follow the instructions in section 6.2 Installing the SciCan Data Logger below to enable communication to either an external printer or the SciCan Data Logger.

6. The Communication Port

6.2 Choosing the correct output

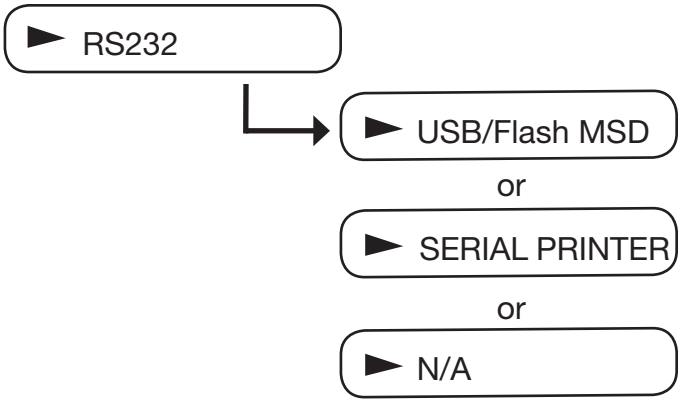
Follow the steps 1 - 2, below, before connection the Printer, Data Logger or USB Flash Drive/ SD Card



STEP 1

Selecting the USB Flash/MSD Option

1. Access user menu (see section 3.4).
2. From the RS232 menu, use the and buttons to scroll down to the required setting and press the button to select and return to the User Setup menu. The factory default setting is N/A.



6. The Communication Port

Setting the Serial Port Bitrate to 9600

1. From the User Setup menu, use the and buttons to scroll to the Serial Port Bitrate menu and select it using the button.
2. From the Serial Port Bitrate menu, use the and buttons to scroll down to 9600 and press the button to select and return to the User Setup menu.

Setting the Printer user Character; (example: 134°C)

1. From the User Setup menu, use the and buttons to scroll to the Printer user ° char menu and select it using the button.
2. From the Printer user ° char menu, using the button to increase the displayed value by one, and the button to increase that value by ten, enter the value 32 [0x20] and press the button to accept and return to the User Setup menu.

Save and Exit

A Save and Exit must be performed after the above settings are completed. If this is not done, the information will revert to its prior settings.

1. From the User Setup menu, use the and buttons to scroll to Save and Exit.
2. Select it by pressing the button. The LCD will display time and date information and a sequence of messages. .

Step 2

Selecting the Time and Date

Note: Set the time and date according to section 3.7.

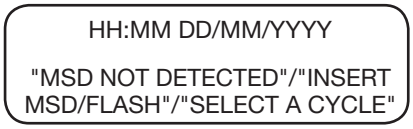
6. The Communication Port

Step 3
Setting Unit ID

Note: Set the unit ID according to section 3.9.

Step 4a
Connecting the SciCan Data Logger or Serial Printer to the RS232 port on the back of the unit

1. Ensure that both the Statim unit and the SciCan Data Logger or printer are **OFF**.
2. Connect the SciCan Data Logger or printer to the Statim unit by using the serial cable.
3. Power up the SciCan Data Logger or printer.
4. Power up the Statim unit.
5. If connecting the Data Logger, the LCD will display the following sequence of messages:
6. If connecting the Data Logger, insert USB Flash Drive or SD memory card.
7. After a few seconds the LCD will display the following sequence of messages:



Step 4b
Connecting the USB Flash Drive to the front USB Port

1. Power off the Statim unit
2. Power up the Statim unit
3. The LCD will display the sequence of messages as shown in Step 4a 5).
4. Insert the USB Flash Drive
5. After a few seconds the LCD will display the message as shown in Step 4a 7).

6. The Communication Port

6.3 Cycle Printout Overview

1. Model: STATIM 7000 software: S702R604
2. Unit Identifier: autoclave has been set up as number 000
3. Cycle counter: the number of cycles having been run on the unit = 558
4. Time / Date: 11:07 am 17th May, 2007
5. Cycle Name: UNWRAPPED
6. Cycle Name cont'd – parameters:
   134°C / 3.5 min
7. Cycle clock: starting at 0:00
8. Warm up complete: start of the conditioning phase is 3:14 (see cycle graph – 'A' phase complete, start of 'B' phase)
9. Start time of pressurization: 15:44 (start of 'C' phase)
10. Start time of sterilization: 20:36 (start of 'D' phase)
11. Temp. / press. & time at start of sterilization ('D' phase)
12. Temp. / press. & time every 30 seconds during sterilization phase (phase D)
13. Temp. / press. & time of end of sterilization phase (end of 'D' phase)
14. Time venting started: 24:07 (start of 'E' phase)
15. Time airdrying started: 25:13 (start of 'F' phase)
16. Time cycle complete

(model 01-70xxxx)

STATIM 7000	S702R604
Unit # :	000
CYCLE NUMBER	000558
11:07	17/05/2007
UNWRAPPED	
134 C / 3.5 min	
CYCLE START	0:00
CONDITIONING	3:14
PRESSURIZING	15:44
STERILIZING	20:36
136.4 C 221kPa	20:36
135.7 C 216kPa	21:06
136.2 C 220kPa	21:36
135.9 C 218kPa	22:06
136.4 C 217kPa	22:36
135.9 C 219kPa	23:06
135.6 C 217kPa	23:36
135.9 C 218kPa	24:06
VENTING	24:07
DRYING	25:13
CYCLE COMPLETE	37:13

1. Model: STATIM 7000 software: S7S2R608
2. Unit Identifier: autoclave has been set up as number 000
3. Cycle counter: the number of cycles having been run on the unit = 000002
4. Time / Date: 09:44 am 17th May, 2007
5. Cycle Name: UNWRAPPED
6. Cycle name cont'd – parameters:
   134°C / 18 min
7. Cycle clock: starting at 0:00
8. Warm up complete: start of the conditioning phase is 3:44 (see cycle graph – 'A' phase complete, start of 'B' phase)
9. Start time of pressurization: 11:51 (start of 'C' phase)
10. Start time of sterilization: 13:57 (start of 'D' phase)
11. Temp. / press. & time at start of sterilization ('D' phase)
12. Min. and max temp. and press.during sterilization phase.
13. Temp. / press. & time of end of sterilization phase (end of 'D' phase)
14. Time venting started: 31:57 (start of 'E' phase)
15. Time air drying started: 33:06 (start of 'F' phase)
16. Time cycle complete

(model 01-72xxxx)
(not available in N.A.)

STATIM 7000	S7S2R608
Unit # :	000
CYCLE NUMBER	000002
9:44	17/05/20007
UNWRAPPED	
134 C / 18 min	
CYCLE START	0:00
CONDITIONING	3:44
132.9 C 299kPa	6:13
115.1 C 165kPa	6:46
132.9 C 299kPa	8:35
115.2 C 163kPa	9:07
132.9 C 298kPa	10:54
115.0 C 164kPa	11:51
PRESSURIZING	11:51
STERILIZING	13:57
136.0 C 325kPa	13:57
Min. steri. Values:	
135.4 C 320kPa	
Max. steri. Values:	
136.6 C 332kPa	
136.0 C 324kPa	31:57
VENTING	31:57
DRYING	33:06
CYCLE COMPLETE	45:06

7. Troubleshooting

Problem	Solution
Unit does not power **ON.**	Check that the unit is plugged into a properly grounded outlet and that the power cord is firmly seated at the rear of the machine. Try another power outlet. Power unit **OFF** for 10 seconds and then power **ON** again. Check the condition of the line circuit breaker or fuse.
There is water under the machine.  	Check that water was not spilled when refilling the reservoir. Make sure the plug in the exhaust tube is secured. Remove and reinsert the cassette. Attempt another cycle. Be careful. The cassette and / or contents may be hot and contain hot steam. The cassette is leaking. If water drips from the underside of the unit during operation, check the cassette seal for misalignment or damage and replace the seal if required. Be careful. The cassette and / or contents may be hot and contain hot steam. Attempt another cycle. If it still leaks attempt another cycle using a different cassette if possible. If the leak persists, turn the unit **OFF**, remove and unload the cassette, unplug the unit, and call your dealer.
Instruments do not dry. 	Best drying occurs when the cycle continues to completion. Allow the cycle to finish. Make sure the instruments are loaded correctly in the cassette. Check to ensure the unit is place on a level working surface. Check that the exhaust duct filter is clean and free of debris. Clean the inside of the cassette and treat with Stat-Dri drying agent. Refer to section 5.1 Cleaning the Cassette. Examine the exhaust tube (tube to the waste bottle) for kinks. If kinked, straighten the tube. If the tube cannot be straightened, remove it from the push-in fitting attached to the Statim. Depress the collar on the fitting and with the other hand pull firmly on the tube. Once the tube is free of the fitting, cut the damaged section of tubing away using a sharp instrument. Adjust the drying time via the user menu. Check the air filters. Replace if they are dirty.

7. Troubleshooting

	Be sure that you leave enough tube to reach the unit when you re-attach the tube to the exhaust fitting. If the tube is too short to remove a section, contact your SciCan dealer for a replacement. Make sure the compressor is working. To check, remove the exhaust tube from the waste bottle. Start the Air Drying Only Cycle, and place the free end into a glass of water. If there is not a strong, steady flow of bubbles, the compressor is not functioning properly. Contact your SciCan dealer.
Cycle interrupted — NOT STERILE, Cycle aborted — NOT STERILE and CYCLE FAULT messages.	Wait a few minutes and attempt another cycle before proceeding to the next solution. Remove the cassette. Be careful. The metal parts will be hot and the cassette will contain hot steam. Inspect the cassette to ensure that the holes in the back of the seal are perfectly aligned, and that the flexible lip of the seal is completely free. Check the exhaust tube for kinks or obstructions. If kinked, straighten the tube. If the tube cannot be straightened, remove it from the push in fitting attached to the Statim. Depress the collar on the fitting and, with the other hand pull firmly on the tube. Once the tube is free of the fitting, cut the damaged section of tubing away using a sharp instrument. Be sure that you leave enough tube to reach the unit when you re-attach the tube to the exhaust fitting. If the tube is too short to remove a section, contact your SciCan dealer for a replacement. Check that the Statim has not inadvertently been exposed to any electrical interference. Refer to the Installation section dealing with Environmental Considerations. (Section 3.1) Try running another cycle. If the problem persists, record the cycle fault message number and contact your dealer.
Excessive steam issuing from the front of the machine.	Remove and reinsert the cassette. Attempt another cycle. Remove and check the cassette seal for misalignment or damage. Replace the Seals - tray / lid if required. Be careful as the metal parts will be hot and the cassette will contain hot steam. If the leak persists, turn the unit **OFF**, remove and unload the cassette and contact your SciCan dealer.

7. Troubleshooting

Message WATER QUALITY IS NOT ACCEPTABLE. Machine will not start.	If you are not using the water filter, you may have used water that is not steam-process distilled or is improperly distilled. Empty the reservoir and refill with steam-process distilled water containing less than 5 ppm total dissolved solids (having conductivity of less than 10 µS / cm). If you have the water conductivity meter, using the user menu, check the quality of the water before refilling the reservoir.
Message REFILL RESERVOIR, Machine will not start.	The level of the water in the reservoir is low. Refill the reservoir.
Time and date are incorrect.	The time and date have not been set. Set the time and date.
Message MSD NOT CONNECTED <> INSERT MSD/FLASH	Check the serial cable connection. Check the power connection. Ensure the lower red LED is lit. Check that the Mass Storage Device is properly inserted. Repeat the instructions for Installing the SciCan Data Logger on your Statim.
Message MSD/FLASH FULL <> REPLACE MSD	The MSD is full. Export the data.

7. Troubleshooting

Cycle Fault	Suggested Correction
Cycle Fault 1	Contact your local SciCan Service technician
Cycle Fault 3 - 4	Check the cassette seal and the cassette for damage. If damage is found then replace either the seal or the cassette. If this does not resolve the problem, contact your local SciCan dealer.
Cycle Fault 6	Check for kinked or pinched exhaust tubing and for visible steam leaks from the cassette seal, lid or tray. If damage is found then replace. If this does not resolve the problem, contact your local SciCan dealer.
Cycle Fault 7	This may be caused by a leaky cassette. Replace the cassette seal. If this does not resolve the problem, contact your local SciCan dealer.
Cycle Fault 8	Check for a clogged filter screen in the cassette tray. Clean the filter if necessary. If this does not resolve the problem, contact your local SciCan Service technician.
Cycle Fault 10-11	Probable causes are a blocked exhaust duct screen in the cassette or a pinched exhaust tube leading to the waste bottle. If this does not resolve the problem, contact your local SciCan dealer.
Cycle Fault 16	This may be the result of an expired, blocked, cracked or damaged water filter. Replace water filter and restart. If this does not resolve the problem, contact your local SciCan dealer.
Cycle Fault 18	This may be the result of a unit running into a high temperature environment. Wait for the unit to cool down and restart. If this does not resolve the problem, contact your local SciCan dealer.
Cycle Fault 17 - 19	Contact your local SciCan dealer.
Cycle Fault 20	Probable causes are a blocked filter screen in the cassette or a pinched exhaust tube leading to the waste bottle. If this does not resolve the problem, contact your local SciCan dealer.
Cycle Fault 25	Restart a priming sequence by removing the water reservoir and reinserting it back. Restart. If this does not resolve the problem, contact your local SciCan dealer.

7. Troubleshooting

Cycle Fault	Suggested Correction
Cycle Fault 26 - 32	This may be the result of an expired, blocked, cracked or damaged water filter. Replace water filter and restart. If this does not resolve the problem, contact your local SciCan dealer.
Cycle Fault 50 - 81	Contact your local SciCan dealer.
Cycle Fault 82	This may be the result of a unit running into a high temperature environment. Wait for the unit and load to cool down and restart. If this does not resolve the problem, contact your local SciCan dealer.
Cycle Fault 90 - 98	Contact your local SciCan dealer.
NO CONFIGURATION EEPROM	Contact your local SciCan dealer.
PRINTER FAULT (if optional printer is installed)	The printer is not printing - this is caused by either a paper jam or a defective printer. If a USB memory stick is used reset the unit by turning the power off and back on. In order to reprint the last printout, enter the User Menu and select the option LAST PRINTOUT by pressing the R&P button.
CYCLE ABORTED	This error message is displayed on the printout only, followed by the message “NOT STERILE”, as a result of the operator pressing the STOP button to stop the cycle or as a result of a CYCLE FAULT error.
STOP BUTTON PRESSED	The operator pressed the STOP button to stop the cycle. The LCD shows the message “NOT STERILE” as a result.
CYCLE INTERRUPTED	This message is displayed if the unit lost power before the cycle ended. Also this message is generated if bad water quality or no water was detected during a cycle. This message is also displayed when the sterilization phase has failed to start within three minutes of the cassette reaching the sterilization temperature. In this case a number is shown in brackets (26). If it occurs in three consecutive cycles Cycle Fault 26 is displayed.
PRESS STOP TO RESET	This message is displayed for all error faults. The user MUST press the STOP button on the keypad to reset the unit; otherwise the user will be unable to initiate another cycle.

8. Spare Parts List & Accessories

SCI134	Sterilization Monitors
99-108332	Sterilization Emulators (Not available in North America.)
2OZPLUS	STAT-dri 2 oz
8OZPLUS	STAT-dri 8 oz
8OZPLUST	STAT-dry 8 oz with trigger
32OZPLUS	STAT-dri 32 oz
01-102119S	Filter Biological
01-106848S	Filter Exhaust Insert
01-110754S	Mat, Cover Silicone
01-110288S	Cassette Complete (7000)
01-110289S	Cassette Tray (7000)
01-110290S	Cassette Lid (7000)
01-110291S	Cassette Inlet Coupling (7000)
01-110292S	Cassette Outlet Coupling (7000)
01-110789S	Cassette Condensate Deflector

01-110293S	Reservoir Complete (7000)
01-110294S	Cassette Perforated Rack (7000)
01-110295S	Cassette Seal Kit (7000)
01-110296S	Cassette Coupling O-Ring Kit (7000)
01-110297S	Cassette Tray Exhaust Duct Kit (7000)
01-110300S	Bottle Waste Overflow Kit (7000)
01-110299S	Bottle Overflow-To-Drain Kit (7000)
01-110301S	Cassette Pouched Load Rack (7000)
01-110327S	Water Reservoir Seal Kit (7000)
01-110328S	Water Reservoir Lid (7000)
01-110329S	Cassette Lid Handle (7000)
01-110330S	Cassette Tray Handle (7000)
SCWF1	Water Filter Cartridge (1 filter)
SCWFBP	Water Bypass Cartridge
SCWF6	Water Filter Cartridge (6-pack)

P**ower Cords**

01-110281S	Power Cord A: Americas (except Argentina, Chile, Uruguay), Caribbean, Korea, Malaysia, Philippines,Taiwan, Saudi Arabia
01-110282S	Power Cord B: Europe (except Denmark, Ireland, Scotland, Switzerland, UK), Afghanistan, Chile, Egypt, Indonesia, Kazakhstan, Lebanon, Libya, Oman, Russia, Sudan, Syria, Thailand
01-110283S	Power Cord C: Australia, New Zealand, Uruguay
01-110284S	Power Cord D: South Africa, India
01-110285S	Power Cord E: Burma, Denmark, Hong Kong, Ireland, Kuwait, Macau, Malta, Oman, Qatar, Singapore, UAE, UK, Yemen
01-110286S	Power Cord F: Switzerland
01-110287S	Power Cord G: Israel
01-110361S	Power Cord H: China
01-110362S	Power Cord J: Argentina

9. Warranty

Limited Warranty

For a period of one year, SciCan guarantees that the Statim 7000, when manufactured by SciCan in new and unused condition, will not fail during normal service due to defects in material and workmanship that are not due to apparent abuse, misuse, or accident.

The one year warranty will cover the performance of all components of the unit except consumables such as the seals and filters provided that the product is being used and maintained according to the description in the user's manual.

In the event of failure due to such defects during this period of time, the exclusive remedies shall be repair or replacement, at SciCan's option and without charge, of any defected part(s) (except gasket), provided SciCan is notified in writing within thirty(30) days of the date of such a failure and further provided that the defective part(s) are returned to SciCan prepaid.

This warranty shall be considered to be validated, if the product is accompanied by the original purchase invoice from the authorized SciCan dealer, and such invoice identifies the item by serial number and clearly states the date of purchase. No other validation is acceptable. After one year, all SciCan's warranties and other duties with respect to the quality of the product shall be conclusively presumed to have been satisfied, all liability therefore shall terminate, and no action or breach of any such warranty or duty may thereafter be commenced against SciCan.

Any express warranty not provided hereon and any implied warranty or representation as to performance, and any remedy for breach of contract which, but for this provision, might arise by implication, operation of law, custom of trade or course of dealing, including any implied warranty of merchantability or of fitness for particular purpose with respect to all and any products manufactured by SciCan is excluded and disclaimed by SciCan. If you would like to learn more about SciCan products and features, visit our website at www.scican.com.

10. Specifications

Machine Dimensions:	Length:	60.5 cm (23.8”)
	Width:	56.1 cm (22.1”)
	Height:	27.1 cm (10.7”)
Cassette Size (External):	Length:	49.4 cm (19.4”) (includes handles)
	Width:	24.3 cm (9.6”) (includes handles)
	Height:	7.8 cm (3.1”)
Cassette Size (Usable Space):	Length:	34.3 cm (13.5”)
	Width:	21.9 cm (8.6”)
	Height:	6.4 cm (2.5”)
Sterilization Chamber Volume:		6.3 L (1.7 gal)
Reservoir Volume:		5.6 L (1.5 gal)
Weight (Without water):		42.18 kg (93 lbs)
Clearance required:	Top:	2.5 cm (1.0”)
	Sides:	1.3 cm (0.5”)
	Back:	0 cm (0.0”)
Minimum charge in the water reservoir:		1.4 L (0.4 gal)
PRV value (pressure relief valve):		43.5 PSI
Electrical Rating:		
models 01-70xxxx		208-240 VAC, 50 / 60 Hz, 15 A
models 01-72xxxx (not available in N.A.)		220-240 VAC, 50 / 60 Hz, 15 A
Power Consumption:		1.2 kWh (4.4 MJ)
Sound levels:		Mean - 57dB, Peak -79dB
Protection Class:		I
Protection:		covered
Ambient Operating Temperature:		5°C - 40°C (41°F - 104°F)
Humidity:		80% Max.
Max. Altitude:		2000 m (6562’)

EN 13060 Compliant model: 01-72xxxx