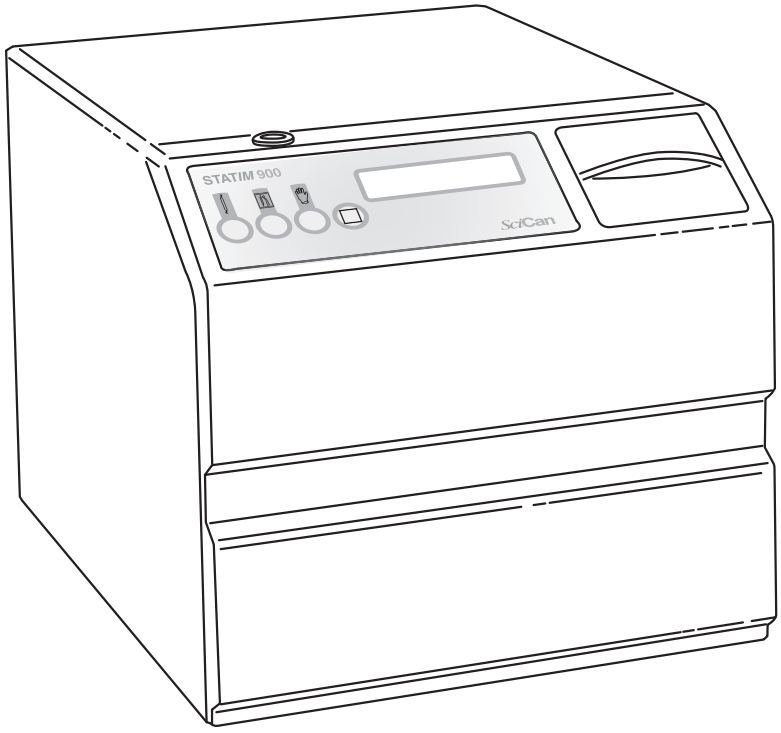
STAT*IM* 900 AUTOCLAVE

• Operator's Manual



SciCan
A HIGHER STANDARD

STAT*IM* 900 Operator's Manual 95-104892 Rev 2.0.

Table Of Contents

P/N 95-104892 Rev. 2.0 **STAT***IM* 900 Operator's Manual

Manufactured by:
SciCan Ltd.
1440 Don Mills Road,
Toronto ON M3B 3P9
CANADA
Phone: (416) 445-1600
Fax: (416) 445-2727
Toll free: 1-800-667-7733
www.scican.com

For all service and repair inquiries:
In Canada: 1-800-870-7777
United States: 1-800-572-1211
International: (416) 446-4500
Email: techservice.ca@scican.com

USA:
SciCan Inc.
701 Technology Drive
Canonsburg, PA 15317
USA
Phone: 1-800-572-1211

1. Introduction

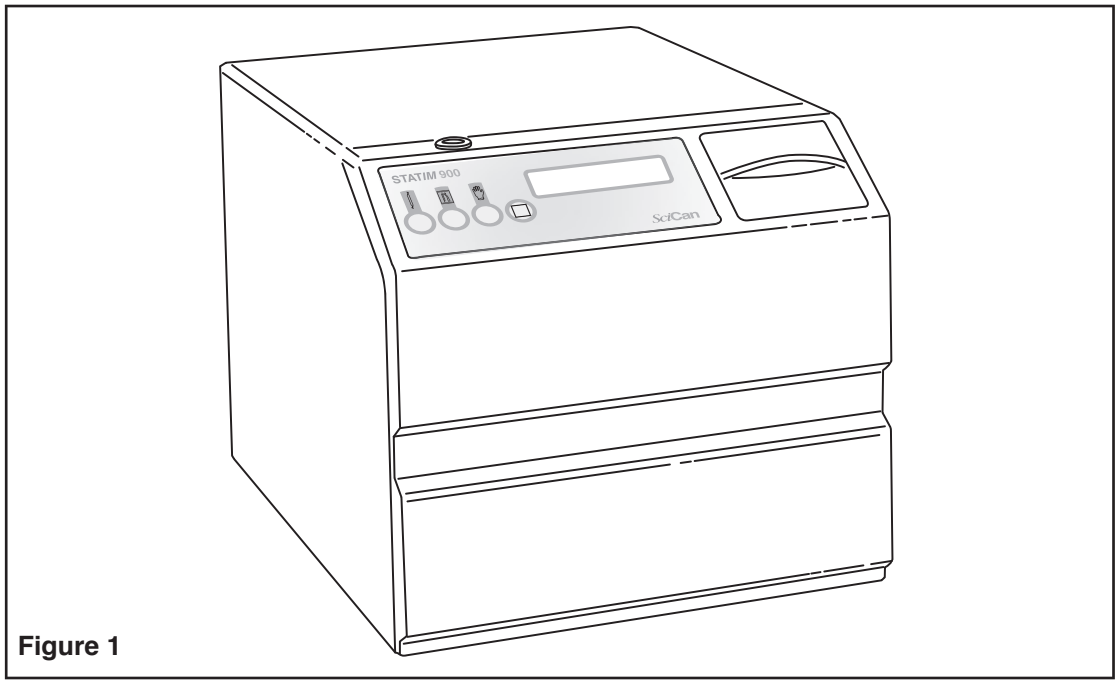


Figure 1

The STAT/*M*® 900 Autoclave has been designed expressly for the rapid sterilization of instruments intended for immediate use. This allows you to sterilize instruments between patients. To decrease instrument turn-around time, the Statim 900 does not have a post-sterilization drying cycle. Quick drying and cooling of the load at the end of the cycle is achieved through evaporation after the automatic opening of the sterilization chamber drawer. Because of the unique operation of the Statim 900, once the instruments are exposed to ambient conditions, their continued sterility cannot be assured. It is recommended to use these instruments immediately after they are comfortable to the touch. The Statim 900 has three sterilization cycles:

The Solid Instrument Cycle is used to sterilize solid metal instruments. The sterilization phase of this cycle is at 132°C for 3.5 minutes. For a detailed description of this cycle, please see page 13.

The Handpiece / Hollow Instrument Cycle is used to sterilize dental handpieces. The sterilization phase of this cycle is at 132°C for 5 minutes. For a detailed description of the cycle please see page 14.

The Rubber or Plastic Instrument Cycle is used to gently sterilize rubber and plastic instruments. The types of materials appropriate for this cycle are outlined in Preparing and Loading Instruments. The sterilization phase of this cycle is at 121°C for 30 minutes. For a detailed description of this cycle please see page 14.

2. Important Information

2.1 Disclaimers

Use only steam-process distilled water in your Statim. Specially filtered water should not be used. Never use tap water. Usage of any water other than steam-process distilled water may damage the unit and void the warranty.

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.

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. Reservoir cap
2. Liquid crystal display (LCD)
3. Keypad
4. Level indicator
5. Drawer
6. Sterilization chamber
7. Power switch
8. Power cord
9. Leveller feet (4)
10. Waste bottle (condenser) and coil assembly
11. Exhaust fitting

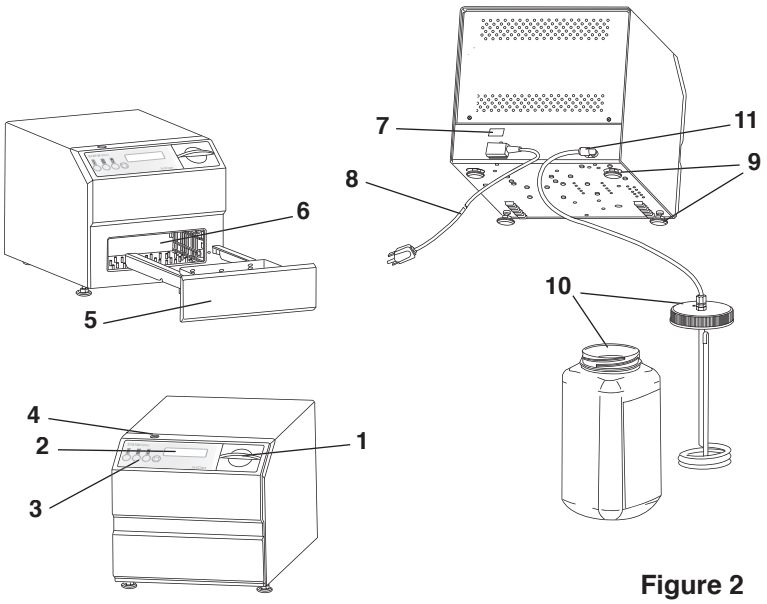


Figure 2

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

MULTIFUNCTION button	Handpieces / Hollow Instruments cycle	Caution: Hot Surface and/or Hot Steam
Solid Instrument cycles	Rubber / Plastic cycle	Caution: Risk of electrical shock. Disconnect supply before servicing

When you recieve your Statim 900 packing carton, the items listed below will be included.If any of the items are missing, contact your dealer immediately so the situation can be corrected.

	Waste Bottle
	Bottle Lid Fitting
	Tube Mounting Hardware

	Power Cord
	Exhaust Tube
	Stat-Dri

3. Installation

3.1 Environmental Considerations

There are several factors that may effect 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 temperature is between 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 50 mm / 2" between the top, sides and back 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-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. Avoid multiple outlet receptacles. If using a surge suppressor power bar, plug in one Statim only.

3.2 Unit Placement

To stabilize the Statim 900, follow these steps:

1. Align the bubble (1) in the level indicator (2) on the front panel to the right front quadrant (or 4 o'clock) of the target by adjusting the four leveller feet (3). This will ensure that the Statim 900 functions properly.
2. Ensure that all four feet are in contact with the surface, and that the Statim 900 does not rock.

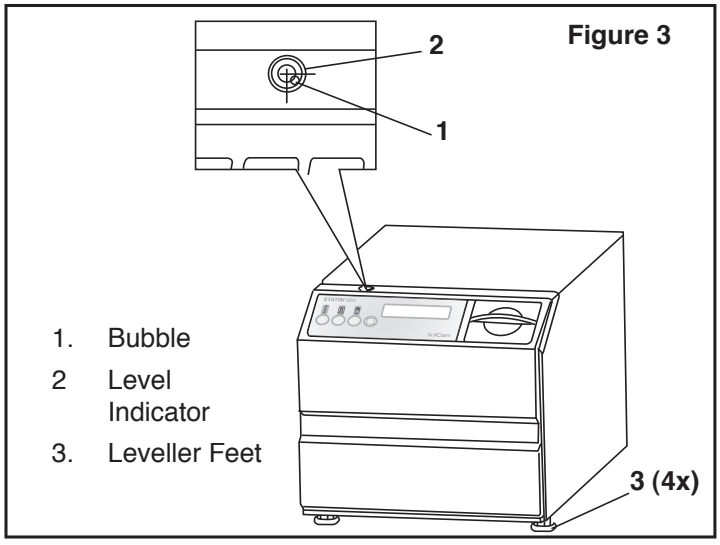


Figure 3

3. Installation

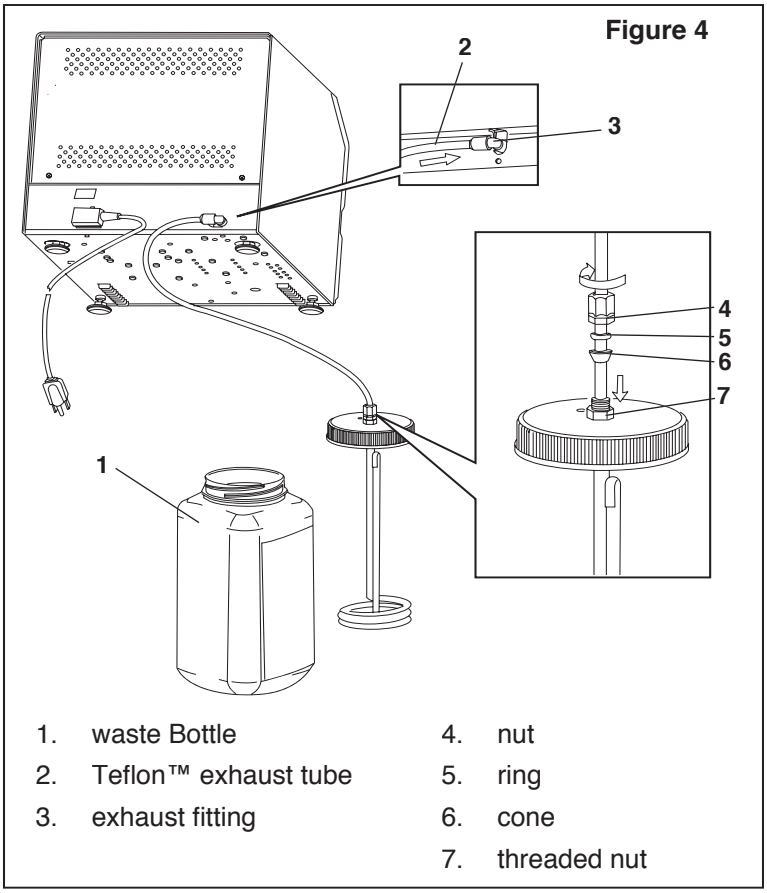
3.3 Connecting the waste bottle

To connect the waste bottle (1), follow these steps:

1. Insert one end of the Teflon™ exhaust tube (2) into the exhaust fitting (3) on the back of the Statim 900. Push the tube into the fitting as far as it will go to ensure that the tube is connected tightly.
2. Cut the tube to length and slide the nut, ring and cone onto the tube. Place the free end of the tube into the fitting in the lid of the waste bottle and hand tighten. Do not coil the exhaust tube.

3. Place the waste bottle near the Statim 900. We recommend that you keep it in a cabinet below the unit. For convenience, the tube can be routed through a hole, 7 mm ($^{5}/_{16}$") in diameter, drilled through the counter-top and secured with the nylon clamps provided.

Figure 4



1. waste Bottle
2. Teflon™ exhaust tube
3. exhaust fitting
4. nut
5. ring
6. cone
7. threaded nut

4. Unscrew the lid with the copper condenser coil assembly from the waste bottle. The lid and coil should come out together. Fill the waste bottle with water to the "MIN" line and replace the lid and copper condenser assembly.
5. If required, a low-level disinfectant prepared according to instructions on the disinfectant packaging may be added to the waste bottle. This may help prevent unpleasant odours or discoloration of the waste water if it is not changed regularly.

3.4 Filling the Statim Reservoir

To fill the reservoir, follow these steps (see Figure 5):

Use only steam processed distilled water containing less than 5 ppm total dissolved solids (having conductivity of less than 10 µS / cm).

1. Remove the reservoir cap from the top of the Statim 900 and pour only steam-process distilled water into the reservoir until nearly full (a maximum of 3 litres). Never use tap water. We recommend using a funnel when filling the reservoir to avoid spills. Pour slowly when filling the top portion of the reservoir.

3. Installation

2. Replace the cap to ensure that nothing other than steam-process distilled water enters the reservoir.
3. Empty the waste bottle and refill to the MIN indicator.

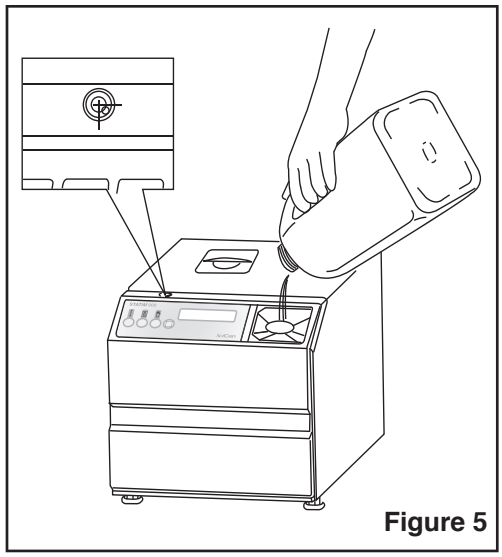


Figure 5

3.5 Priming the Statim 900 pump

To Prime the Statim 900 pump follow these steps:

1. Carefully turn the Statim 900 sideways, and locate the drain tube below the power switch, on the back of the unit. Gently pull the tube out as far as possible so the free end can be positioned over a water container.
2. Remove the stopper from the end of the drain tube and allow water to drain from the tube into a container for at least 30 seconds.
3. Replace the stopper, and feed the tube back into the unit until secure.
4. Plug the power cord into the power cord receptacle on the back of the unit.
5. Plug the power cord into a standard, grounded, wall outlet.

3.6 Preparing Unit for Use

Once the unit is installed and before any instruments are sterilized, run two Handpiece / Hollow instrument cycles (See section 4.5 Running a Cycle). Clean the drawer and the instrument basket using a soft cloth to wipe the inside surfaces and rinse thoroughly with tap water. Once the instrument basket and sterilization chamber are clean and dry, coat the interior surfaces with Stat-Dri.

3.7 Shipping the Statim 900

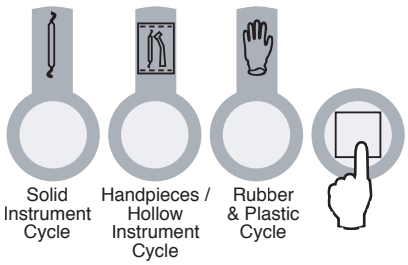
If you must ship the Statim 900, follow these directions:

1. Drain the water from the water reservoir. Carefully turn the Statim 900 sideways. Locate the drain tube below the power switch, on the back of the unit. Gently pull the tube out as far as possible so the free end can be positioned over a water container. Remove the stopper from the end of the drain tube and allow the water to drain from the reservoir. When water no longer drips from the drain tube, replace the stopper, and feed the tube back into the unit until secure.
2. Screw in each leveller foot completely.
3. Repack your Statim 900 in the original packing materials.

4. Instructions For Use

4.1 Using The Sterilization Chamber Drawer

The Statim 900 keypad has four buttons. The first three buttons will initiate one of the three different sterilization cycles. These cycles are described in detail in section 4.4 Selecting A Cycle. The fourth button on the keypad opens and closes the Sterilization Chamber Drawer.

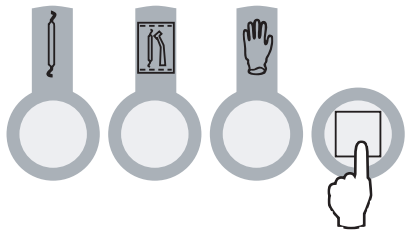


• **To open the Sterilization Chamber Drawer**:

1. Press the MULTIFUNCTION button and the drawer will open automatically.
2. Lift the instrument basket from the sterilization chamber.
3. Load instruments to be sterilized into the instrument basket. Ensure you follow the instrument manufacturer's reprocessing instructions to ensure you do not damage the instruments.
4. Replace the instrument basket into the sterilization chamber.
5. Press the MULTIFUNCTION button and the drawer will close automatically, or press one of the sterilization cycle buttons and the drawer will close automatically and the selected sterilization cycle will begin automatically.

• **To Remove The Sterilization Chamber Drawer**:

To remove the sterilization chamber drawer, follow these steps:



1. Open the drawer by pressing the MULTIFUNCTION button on the keypad.
2. Turn the unit power switch to **OFF**.
3. Locate the green latch inside the front opening of the machine near the top right hand side. Push the latch to the right and gently pull the drawer out of the unit.

⚠ Be careful. The instruments and the metal parts of the drawer may be hot.

• **To Replace The Sterilization Drawer**:

To replace the sterilization chamber drawer, follow these steps:

1. Center the drawer into the opening.
2. Rest the rear ends of the drawer on the front rollers in the opening.
3. Tilt the front of the drawer upwards and push the drawer into the unit. Level the drawer and continue to push until the drawer clicks into the intermediate position. Lift and push the drawer past the position where the green latch is engaged by the drawer.
4. If installed properly, the drawer cannot be removed without pushing the green latch.
5. Turn the power **ON** and close the drawer by pressing the MULTIFUNCTION button.

4. Instructions For Use

4.2 Preparing and Loading Instruments

Before loading any instruments into the Statim, consult the instrument manufacturer's reprocessing instructions.

• **Clean Instruments**

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

• **Solid Instruments**

Arrange unwrapped instruments in the instrument basket so that they do not touch one another. This ensures that steam reaches all surfaces.

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

• **Metal Instruments**

Place metal instruments into the instrument basket so that they do not touch one another. This ensures that steam reaches all surfaces, and will promote drying. It is important not to overload the chamber in such a way as to inhibit the access of steam to instrument surfaces. The maximum recommended load is 1.0 kg in either the Solid Instrument or Handpiece cycles. Treatment of the inside surfaces of the sterilization chamber with a drying agent such as Stat-Dri will enhance the drying process.

• **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 instrument basket, leave a space between the instruments and the chamber walls. This ensures that steam reaches all surfaces.

! 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. Unwrapped instruments, once exposed to ambient or external conditions, cannot be maintained in a sterile state.

4. Instructions For Use

• 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 Statim 900 units 3M Attest™ is a recommended biological monitoring system for routine monitoring. 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 both the biological and chemical indicators, please consult the product literature accompanying the 3M Attest™ biological indicators or contact the manufacturer directly.

To use the indicators with the Statim 900, follow these steps:

1. Place the appropriate biological indicator in the Statim 900 chamber.
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 900 and contact your SciCan dealer for further assistance.

Because the turnaround time for the 3M Attest™ is up to 48 hours, it is recommended that the tests be conducted so that the incubation period occurs during a period of planned downtime such a the last cycle before a weekend.

4. Instructions For Use

• **Biological Indicators**

SciCan recommends the 3M Attest™ biological monitoring system for routine monitoring of the Statim 900. This system consists of self contained biological indicators and incubators. It is important to select the correct biological indicator for the cycle being tested. Please consult the following table for the correct Attest™ indicator for each cycle

Cycle	Biological Indicator	Incubation Period	Test Pack
Solid Instruments	Attest™ 1261	24 Hours	Place the indicator in the center of the unloaded instrument basket.
Handpieces / Hollow Instruments	Attest™ 1261	24 Hours	Place the indicator in the center of the unloaded instrument basket.
Rubber & Plastic Instruments	Attest™ 1262	48 Hours	Place the indicator in the center of the unloaded instrument basket.

For detailed instructions on how to handle, use and dispose of these indicators, please consult the product literature accompanying the Attest™ biological indicators, or contact 3M directly at 1-800-3M-HELPS.

• **Chemical Indicators**

SciCan recommends that chemical process indicators suitable for steam sterilizers be used in routine monitoring of the Statim 900. Of the many brands on the market, it is important to choose the correct type. Use only indicators designed for steam sterilization at 132°C for the Solid Instrument and Handpiece / Hollow Instrument cycles, and indicators designed for steam sterilization at 121°C for the Rubber or Plastic Instrument cycle. Use at least one indicator for each load processed. Follow the indicator manufacturer's instructions closely.

4.3 Instrument Mass Guide

Instrument	Typical Instrument Mass
Scissors	30 g (0.96 ozt)
Dental Scalers	20 g (0.64 ozt)
Forceps	15 g (0.48 ozt)
Dental handpiece	40 to 60 g (1.3 to 1.9 ozt)
Unwrapped instrument rack	225 g (7.23 ozt)
Suction cannula	10 g (0.32 ozt)
Plastic mouth mirror	8 g (0.3 ozt)
Impression Tray	15 to 45 g (0.48 to 1.5 ozt)
Plastic x-ray positioning ring	20 g (0.64 ozt)

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

4. Instructions For Use

4.4 Selecting a Cycle

The Statim 900 Autoclave has been designed expressly for the rapid sterilization of Instruments intended for immediate use. This allows you to sterilize instruments between patients. Quick drying and cooling of the load at the end of the cycle is achieved through evaporation after the automatic opening of the sterilzation chamber drawer. Because of the unique operation of the Statim 900, once the instruments are exposed to ambient conditions, their continued sterility cannot be assured. It is recommended to use these instruments immediately after they are comfortable to the touch. Each cycle can be selected by pressing the Solid Instrument, Handpiece / Hollow Instrument, or Rubber / Plastic buttons.

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

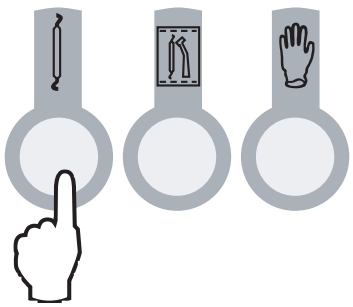
The Statim 900 has three sterilization cycles, each designed to sterilize a specific type of instrument. The instruments will remain sterile after a successful cycle until the drawer is opened. The types of instruments, sterilization requirements, and a graph depicting each cycle are described over the next few pages. Consult the Instrument Mass Guide in Section 4.3 for information on how to make up an appropriate load for the masses specified for individual cycles.

1. Solid Instrument Cycle

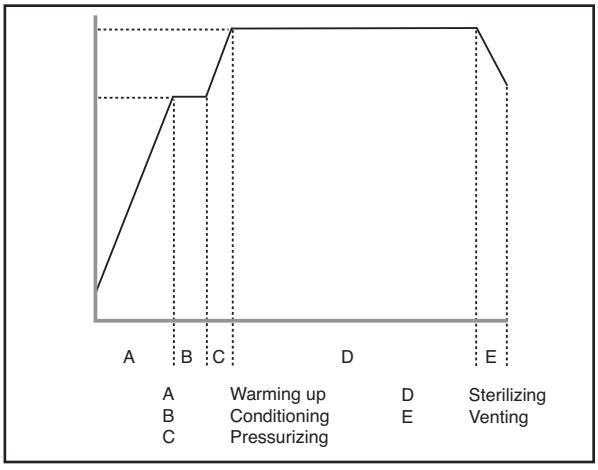
The Solid Instrument Cycle is used to sterilize solid metal instruments free from deep cavities or holes, such as pliers, burrs, scalers and forceps.

The maximum recommended load for the Solid Instrument Cycle is 1.0 kg.

To select this cycle, press the Solid Instrument Cycle button. The cycle then starts automatically. This cycle is illustrated in the graph below. During the sterilizing phase of this cycle, the temperature in the chamber is maintained at a minimum of 132ºC for 3.5 minutes. See Preparing and Loading Instruments before running this cycle.



SOLID 132°C / 3.5 min

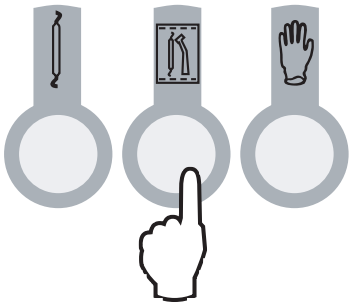


4. Instructions For Use

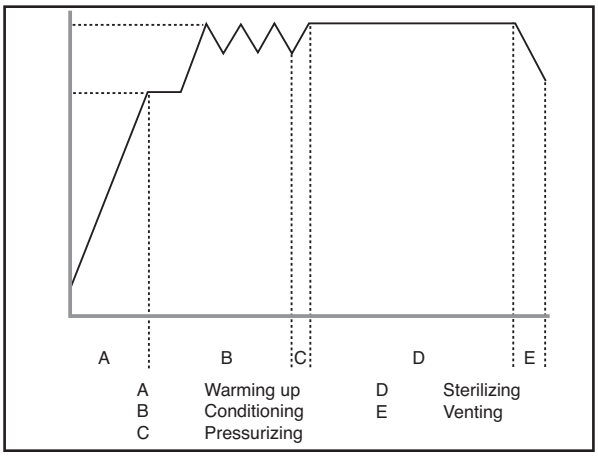
2. Handpiece / Hollow Instrument Cycle

The Handpiece Cycle is used to sterilize dental handpieces. The maximum recommended load for the Handpiece / Hollow Instrument cycle is 1.0 kg.

To select this cycle, press the Handpiece / Hollow Instrument cycle button. The cycle then starts automatically. This cycle is illustrated in the graph below. During the sterilizing phase of this cycle, the temperature in the chamber is maintained at a minimum of 132ºC for 5 minutes. See Preparing and Loading Instruments before running this cycle.



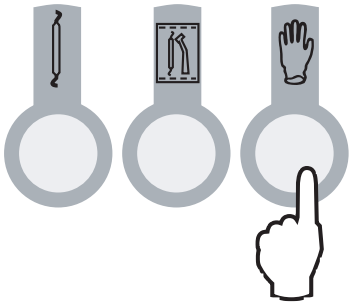
HANDPIECE / HOLLOW 132°C / 5 min



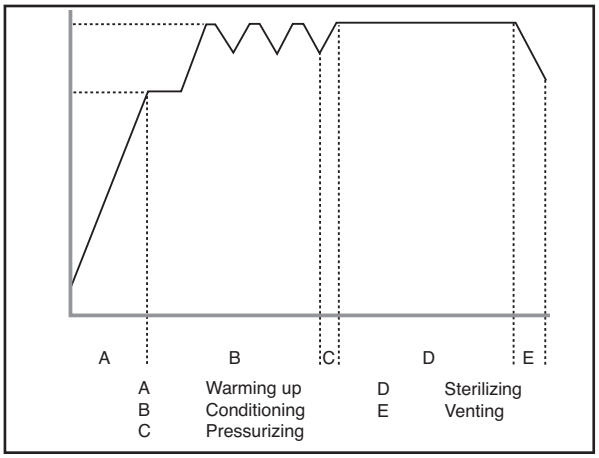
3. Rubber or Plastic Instrument Cycle

The Rubber or Plastic Instrument Cycle is used to sterilize instruments constructed of the materials listed under the heading Rubber or Plastic Instruments in Preparing and Loading Instruments. The maximum recommended load for the Rubber or Plastic Instrument Cycle is 0.1 kg.

To select this cycle, press the Rubber and Plastic Instrument Cycle button. The cycle then starts automatically.This cycle is illustrated in the graph below. During the sterilizing phase of this cycle, the temperature in the chamber is maintained at a minimum of 121ºC for 30 minutes. See Preparing and Loading Instruments before running this cycle.



RUBBER / PLASTIC 121°C / 30 min

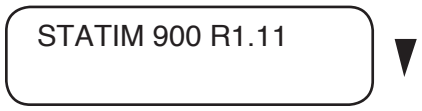


4. Instructions For Use

4.5 Running a Cycle

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

Turn the power switch at the back of the unit **ON**. The LCD display reads:



Selecting the MULTIFUNCTION button changes the position of the drawer

if the drawer is fully open

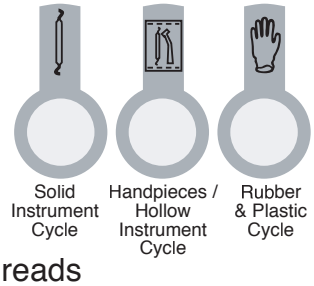
or

if the drawer is closed

Selecting a cycle will close the door and start that cycle.

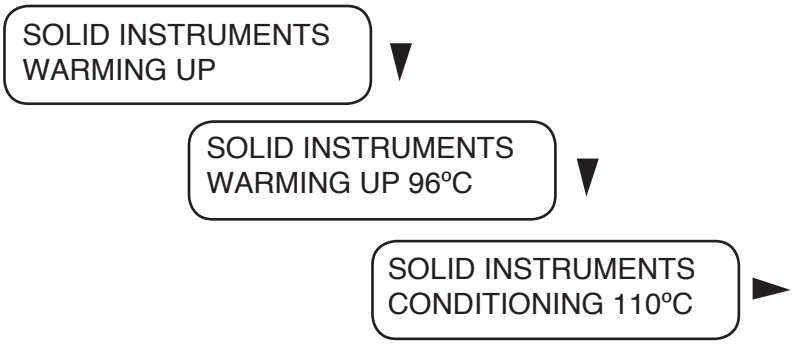
if the drawer is ajar

Select the apropriate cycle button on the keypad located beside the LCD.

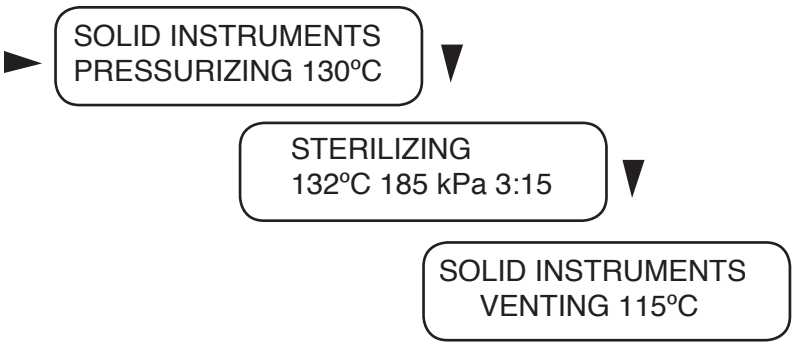


As the drawer closes, the display reads

and the cycle begins. Messages change throughout the cycle. For example, if the SOLID INSTRUMENT CYCLE is selected, the following LCD messages would be displayed:



4. Instructions For Use

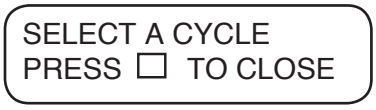


After venting is complete, the drawer will open automatically and the instruments may be removed. The display reads:

Be careful. The instruments and metal parts of the drawer will be hot. Hot steam will escape as the drawer opens.

This message is displayed for 30 minutes as a reminder of a successfully completed cycle. When sterilized instruments are removed press the multifunction button to clear the CYCLE COMPLETE message, and prepare the machine for the next cycle. This ensures that the CYCLE COMPLETE message is not displayed when a new load of unsterilized instruments is placed in the chamber.

After 30 minutes the LCD message will automatically change to:



Once exposed to a non-sterile environment at the end of a complete cycle, the continued sterility of the chamber contents can no longer be assured. Therefore, the Statim 900 should only be used for the prevention of cross-contamination, unless other steps are taken to ensure continued sterility.

4. Instructions For Use

4.6 Stopping a Cycle

To stop a cycle press the MULTIFUNCTION button. If the MULTIFUNCTION button is pushed, or the unit detects a problem while operating the cycle will stop and the amber active light will flash. Once a cycle has been interrupted, the MULTIFUNCTION button must be pressed before another cycle can be started. The display reads the following message:

☐ BUTTON PRESSED
PLEASE WAIT

If the display shows the message, CYCLE FAULT or NOT STERILE, the chamber contents are not sterile! See section 6. Troubleshooting for more information.

5. Maintenance

5.1 Cleaning the Chamber

It is good clinical practice to keep your Statim 900 sterilization chamber clean. We recommend that the interior surface of the chamber be cleaned at least once a week with dishwashing soap or mild detergent that does not contain chlorine.

Remove the drawer from the unit to make cleaning easier. See, section 4.1 Sterilization Chamber, Removing and Replacing the Drawer. Afterwards rinse thoroughly to remove all traces of soap.

After the chamber is clean, treat the entire inside surface with Stat-Dri. Stat-Dri causes water to form an even coat on treated surfaces, without beading. The water in contact with the hot chamber surfaces evaporates more efficiently. Spotting is minimized and instruments dry faster. Stat-Dri is available from your dealer or from SciCan.

Cleaning the inside of the chamber is very important if you regularly sterilize lubricated instruments.

5.2 Cleaning the Reservoir

Check the reservoir for dirt or particles. The reservoir may be cleaned by draining followed by cleaning and rinsing with steam process distilled water ONLY. Use of chemicals or cleaning agents is not recommended and could cause the unit damage.

5.3 Cleaning the Exterior Surfaces

Use a soft cloth moistened with a mild cleaning solution or mild disinfectant to clean all outer surfaces. Do not use solvents or harsh chemicals.

5. Maintenance

5.4 Changing the Statim 900 Seals

There are two seals in the Statim 900, the top seal and the exhaust seal. They can be purchased together in a seal kit.

1. Exhaust Seal (Figure 6)

The exhaust seal is the small round seal that sits in the bottom of the Statim 900. To remove and replace the exhaust seal (1), follow these steps:

1. Remove the drawer (2) from the unit. See section 4.1 Using The Sterilization Drawer to replace the sterilization drawer.
2. Locate the seal on the bottom left corner of the front opening of the Statim 900.
3. Remove the seal from its groove. The seal should come out easily.
4. Place the new seal in the groove.

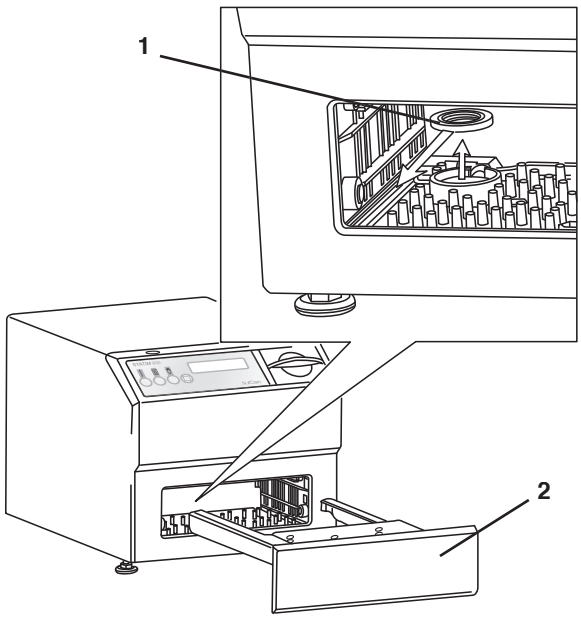


Figure 6

2. Removing the Top Seal Assembly (Figure 7 & 8)

The top seal assembly (3) is comprised of three parts: the replaceable rubber seal (5), the frame (6), and the seal plate (7). The seal sits at the top of the front opening of the unit. Do not attempt to remove the seal while the unit is hot.

To change the top seal assembly, follow these steps:

1. Remove the drawer (2) from the unit. See section 4.1, Using The Sterilization Chamber Drawer to replace the sterilization drawer.
2. The top seal assembly is secured with a thumb screw (4) to the top inside of the front opening of the unit. Reach inside the opening and remove the screw. The seal assembly will fall into your hand.
3. Lift the flaps of the rubber top seal (5) and push the seal plate (7) out of the seal assembly.
4. Remove the rubber seal (5) from the seal frame and discard the seal.
5. Clean the seal frame and plate.
6. Install the new seal into the frame (see Figure 8a). Begin in one corner of the assembly and work around the frame, pushing the seal into the frame and adjusting the seal to fit.

5. Maintenance

7. Install the plate into the assembly (see Figure 8b). Lift the flap of the seal and slide the plate into the seal groove underneath the flaps. Start at one side and work around the assembly until the plate is seated securely in the seal.
8. Orient the assembly so that the flaps are facing up, and the inlet hole (8) is located on the front right side of the assembly (see Figure 8).
9. Insert the assembly into the unit and secure it into place using the thumb screw (4). Do not use tools to tighten the thumb screw, finger tighten only.
10. Replace the drawer. See section 4.1 Using The Sterilization Chamber Drawer to replace the sterilization drawer.
11. Make sure that the inlet hole (8) in the seal plate is in the front right corner of the seal assembly.

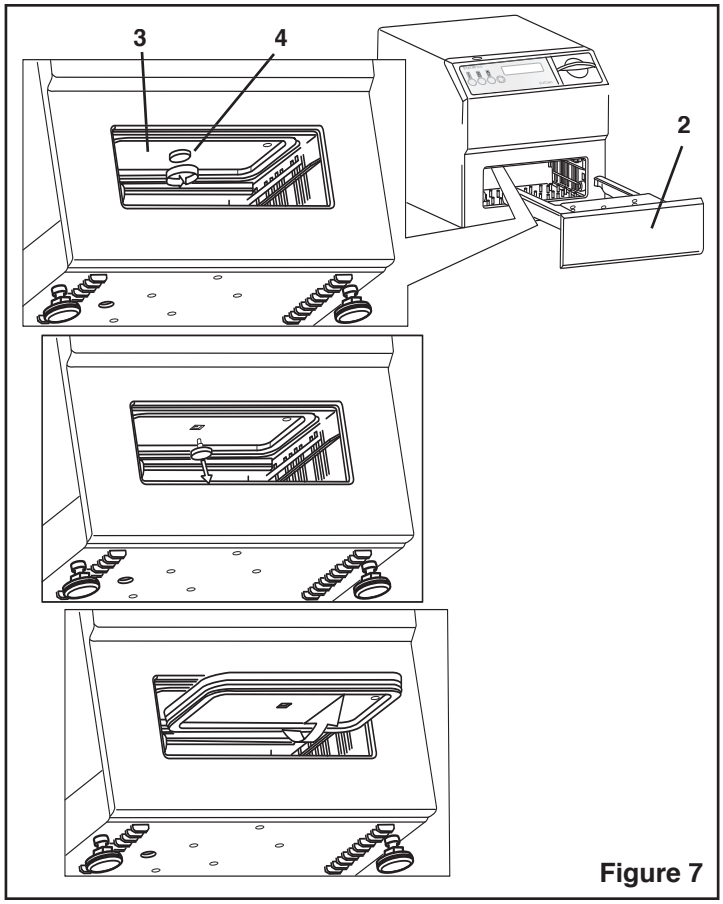


Figure 7

5.5 Preventative Maintenance Schedules

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.

Figure 8a

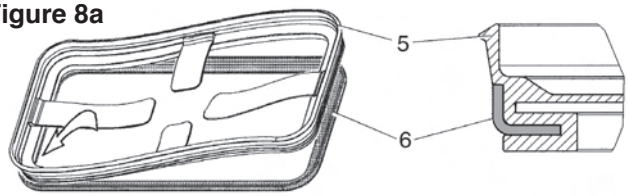


Figure 8b

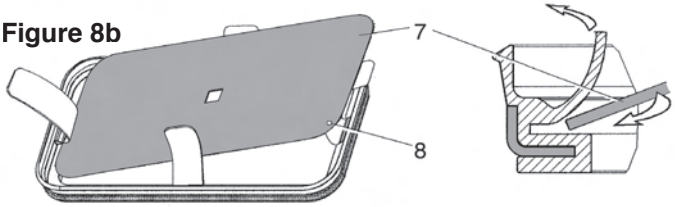
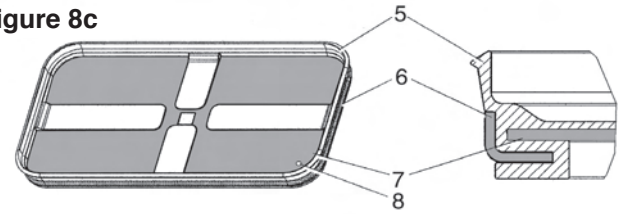


Figure 8c



5. Maintenance

The schedule below describes the necessary actions.

Operator		
Daily	Drawer	Wash the interior of the drawer with chlorine-free dishwashing detergent or soap. Rinse thoroughly with water.
	Unit	To ensure optimal performance of the Statim autoclave, SciCan recommends that a full sterilization cycle, be completed at the end of each day of use. This is especially important when the unit is left idle over the weekend or for any extended period of time.
	Water Reservoir	Drain Daily
	Waste Bottle	Empty the waste bottle every time you refill the reservoir. Fill with tap water up to MIN line. You can also add some chlorine-free disinfectant.
Every six months	Chamber Seal	every 500 cycles or six months (whichever comes first).

technician		
Once a year	Chamber	Check the drawer, lid and seal for damage. Replace if necessary.
	Solenoid Valve	Inspect the valve and clean if dirty. Replace the plunger if defective.
	Pump	Clean the filters, replace if dirty.
	Water Reservoir	Check the reservoir for dirt. Clean and rinse with steam process distilled water if necessary.
	Calibration	Calibrate the unit

5. Maintenance

5.6 Spare Parts List

01-101582S	Cap Replacement
01-1002045S	Exhaust Tubing
01-106052S	Packaging (Box)
01-104343S	Plug Drain Tubing
01-101647S	Power Cord
01-103559S	Reservoir Cap
01-106898S	Seal Assembly Complete W/Plate
01-103144S	Seal (Exhaust Only)
01-103143S	Seal (Pressure Only)
01-101543S	Seal Kit (Pressure & Exhaust)
01-102064S	Seal Frame
01-102065S	Seal Plate Flat
01-102063S	Seal Screw (Thumb Screw)
01-100812S	Waste Bottle Complete
01-100735S	Waste Bottle Fitting
01-100724S	Waste Bottle Only
01-103571S	Water Quality Sensor

6. Troubleshooting Problems

Problem	Solution
Unit Does not Power **ON**.	Check that the unit is plugged into a properly grounded outlet, that the power cord is firmly seated at the rear of the machine, and that the power switch is **ON**. Check the condition of the line circuit breaker or fuse.
Drawer does not open / close when a cycle button or the multifunction button is pressed.	The drawer may not be installed properly. Push the drawer further into the unit assuring that it is past the position where the green latch is engaged by the drawer.When installed properly the drawer may not be pulled out of the unit without pushing the green latch. See section 4.1 Using The Sterilization Chamber Drawer.
Water under the Machine	Check that water was not spilled when refilling the reservoir. We recommend that you use a funnel when filling your Statim 900. Make sure the plug in the drain tube is secured. Check the seals for leaks. Check that the exhaust seal is properly seated and inspect both the top seal and the exhaust seal for damage. Replace the seals if required. ⚠ Be careful. The instruments and metal parts of the drawer will be hot. Hot steam will escape as the drawer opens. If the seals appear to be in good condition, attempt another cycle. If they still leak, replace the seals and attempt another cycle. If the leak persists, unload the chamber, unplug the unit, and call your dealer.

6. Troubleshooting Problems

Problem	Solution
Cycle aborted, message "NOT STERILE" and "CYCLE FAULT" message. 	Wait a few minutes and attempt another cycle before proceeding. Check the seals for leaks. Check that the exhaust seal is properly seated and inspect both the top seal and the exhaust seal for damage. Replace the seals if required. Be careful. The instruments and metal parts of the drawer will be hot. Hot steam will escape as the drawer opens. If the seals appear to be in good condition, attempt another cycle. If they still leak, replace the seals and attempt another cycle. If the leak persists, unload the chamber, unplug the unit, and call your dealer. Check the exhaust tube for kinks or obstructions. Try another cycle. If the problem persists, record the cycle fault message number and contact your dealer.
Message "CYCLE FAULT 12"	Do not attempt another cycle. There is an internal electrical problem. Turn the unit off, unload the sterilization chamber and call your dealer. Be careful. The instruments and metal parts of the drawer will be hot. Hot steam will escape as the drawer opens.
Excessive steam is issuing from the front of the unit 	Open and close the drawer. Attempt another cycle. Check the seals for leaks. Check that the exhaust seal is properly seated and inspect both the top seal and the exhaust seal for damage. Replace the seals if required. Be careful. The instruments and metal parts of the drawer will be hot. Hot steam will escape as the drawer opens. If the seals appear to be in good condition attempt another cycle. If they still leak, replace the seals and attempt another cycle. If the leak persists, unload the chamber, unplug the unit, and call your dealer.

6. Troubleshooting Problems

Problem	Solution
Message "WATER QUALITY IS NOT ACCEPTABLE". Machine will not start	Inadvertently, you have used water which is not steam-process distilled or is improperly distilled. Drain the reservoir and refill with steam-process distilled water To drain the unit, use the drain tube at the back of the machine. Refer to the steps described in Shipping the Statim 900.
Message "REFILL RESERVOIR" and "EMPTY WASTE BOTTLE". Machine will not start.	The level of water in the reservoir is low. Refill the reservoir, using steam-process distilled water and empty the waste bottle. Refer to the steps described in section 3.4 Filling The Statim Reservoir.

7. Warranty

Limited Warranty

For a period of one year, **SciCan Ltd.** guarantees that the **STAT**/*M* **900**, when manufactured by **SciCan Ltd.** 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. In the event of failure due to such defects during this period of time, the exclusive remedies shall be repair or replacement, at **SciCan Ltd.'s** option and without charge, of any defected part(s) (except gasket and filters), provided **SciCan Ltd.** 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 Ltd.** prepaid.

This warranty shall be considered to be validated, if the product is accompanied by the original purchase invoice from the authorized **SciCan Ltd.** 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 Ltd.'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 Ltd.**

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 Ltd.** is excluded and disclaimed by **SciCan Ltd.** If you would like to learn more about **SciCan Ltd.** products and features, visit our website at **www.scican.com**.

8. Statim 900 Specifications

Machine Dimensions	Length	384 mm (15.1 inches)
	Width	292 mm (11.5 inches)
	Height	282 mm (11.1 inches)
Chamber Size	Length	190 mm (7.5 inches)
	Width	90 mm (3.54 inches)
	Height	53 mm (2.1 inches)
Reservoir Capacity	Usable volume:	3.0 litres (102 fl.oz.)
Weight	(Without water)	13 Kg / 29 lbs
Power Consumption		120 V, 50 / 60 Hz, 12 A