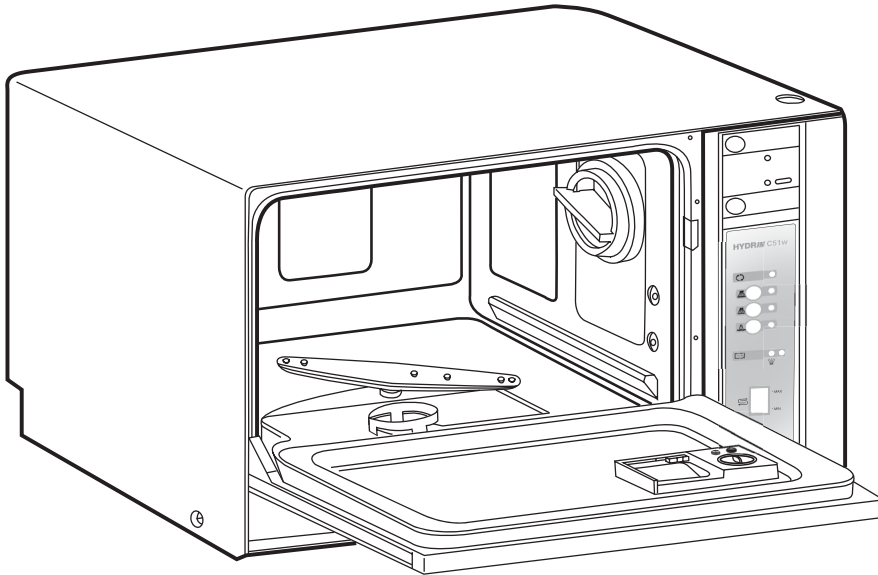


HYDRIM™ C51w



- **Operator's Manual**
- **Manuel de l'utilisateur**
- **Manual del Operador**
- **Manual de Operação**

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HYDRIM C51w Operator's Manual 95-107144 Rev 4.0.

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1. Introduction

Congratulations on your selection of the Hydrim C51w high speed instrument washer. The Hydrim C51w is designed to complement the Statim family of autoclaves by quickly and hygienically preparing soiled instruments for sterilization.

To ensure years of safe, trouble-free service, carefully review this Operator's Manual before operating the unit. The Hydrim C51w is suitable only for the applications listed in this user manual; use for other purposes may be dangerous. The manufacturer cannot be held responsible for damage caused by improper use.

Operational, maintenance, and replacement instructions must be followed for the product to perform as designed. All trademarks referred to in this manual are the property of their respective owners. Contents of this manual are subject to change without notice to reflect changes and improvements to the Hydrim product.

The Hydrim C51w should only be installed and serviced by a qualified contractor as it is an Installation Category 2 device. Before connecting the unit, the installer should check that the voltage and frequency of the electrical supply correspond with the details in the installation instructions. Please note, this unit is completely isolated from the electrical supply only when it is unplugged or the circuit breaker is turned **OFF**. This must be done before any repair work is carried out.

NOTE: The Hydrim C51w uses exclusively Hydrim Cleaning Solution. The unit will not perform as outlined by SciCan using other detergents / cleaning products. Also, using other detergents / cleaning products may damage the unit, the instruments, cause excessive foaming, and void the warranty. (See section 6.1, Hydrim Cleaning Solution for more details about use.)

Do not use solvents in this unit. Do not allow small children or unauthorized personnel access to this unit or its controls.

Level the unit using the adjustable feet underneath the unit. Use the bubble level indicator on the top right hand side of the unit to verify that it is properly leveled.

2. Important Information

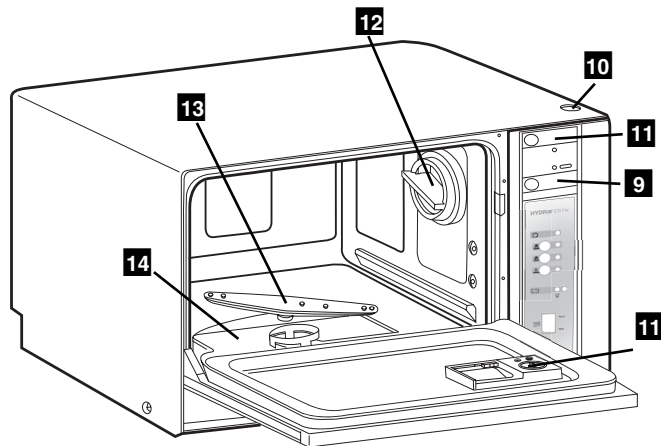
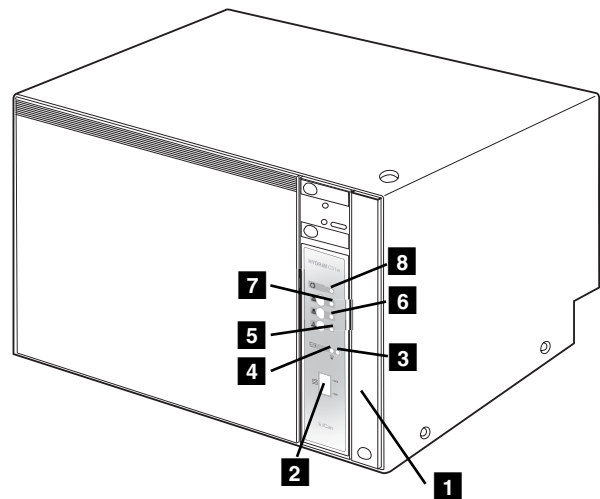












Figure 1



- | | |
|--------------------------------------|--|
| 1 Cleaning solution door | 8 Cycle complete indicator |
| 2 Salt level window | 9 ON / OFF power switch |
| 3 Error indicator | 10 Bubble level indicator |
| 4 Cleaning solution indicator | 11 Door open button |
| 5 Rinse and hold | 12 Water hardness dial |
| 6 Heavy duty wash | 13 Lower wash arm (upper wash arm not seen) |
| 7 Regular wash | 14 Filters |

Pay close attention to the symbols that appear in the margins. The following symbols indicate:

- | | | |
|---|---|--|
|  A potential hazard to the operator. |  Cycle complete indicator |  Cleaning solution bottle |
|  A situation which may lead to a mechanical failure. |  Cleaning solution indicator |  Salt level |
|  Important information |  Heavy Duty wash | |
|  Rinse and hold |  Regular wash | |

3. Disclaimers



Do not permit any person other than authorized personnel to supply parts for, service or maintain your Hydrim C51w. SciCan shall not be liable for incidental, special or consequential damages caused by any maintenance or services performed on the Hydrim C51w by unauthorized personnel, 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.

Allow only trained and authorized personnel to operate the unit.

Cleaning solutions may irritate. Avoid contact with eyes and mouth.

Never sit, stand or lean on the open door. The unit may tip forward causing injury.

Always turn the unit **OFF** before adding softener salt, adding solutions or performing routine maintenance to the unit. For further information or questions about the Hydrim C51w, contact your authorized dealer or:

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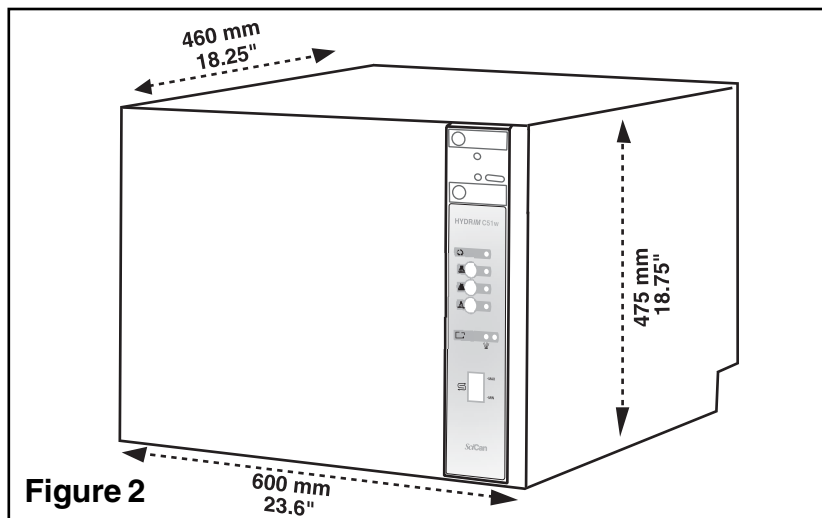
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4. Installation



4.1 Suggested Installation Configurations

If the Hydrim is to be installed in a Sterilization Center, the manufacturer of the Sterilization Center should allow a 3" / 75 mm space at the top and sides of the Hydrim. The shelf of the Sterilization Center should also have a counter top that is no less than 21.25" / 540 mm deep and the cabinet shelf should not be less than 21.25" deep. This will facilitate installation, leveling and service access to the Hydrim. Do not move the Hydrim into place by maneuvering the open wash chamber door. This may cause the door to become misaligned and leak.

The Hydrim C51w Instrument Washer should only be installed and serviced by a qualified contractor as it is an Installation Category 2 device. The contractor should be experienced in installing equipment that requires electrical hook-up as well as plumbing. The machine must be installed and leveled correctly for the unit to function as described. All electrical work must be carried out by a qualified electrician and in compliance with all local and national electrical codes.

Before making any connections, check that the voltage shown on the serial number label corresponds to your power supply. The machine is supplied as standard for connection to a 208-240 V 60 Hz (220-240 V 50 Hz for EU) single-phase power supply and is fitted with a power supply cord 1.8 m / 6 ft. long with a cross section of AWG 18 - 3. It should be connected to the main power supply according to the information below.

	North America	Europe
Voltage:	208 - 240 V	220 - 240 V
Frequency:	60 Hz	50 Hz
Rated load:	2 kW	2 kW
Circuit breaker:	10 A per phase	10 A per phase

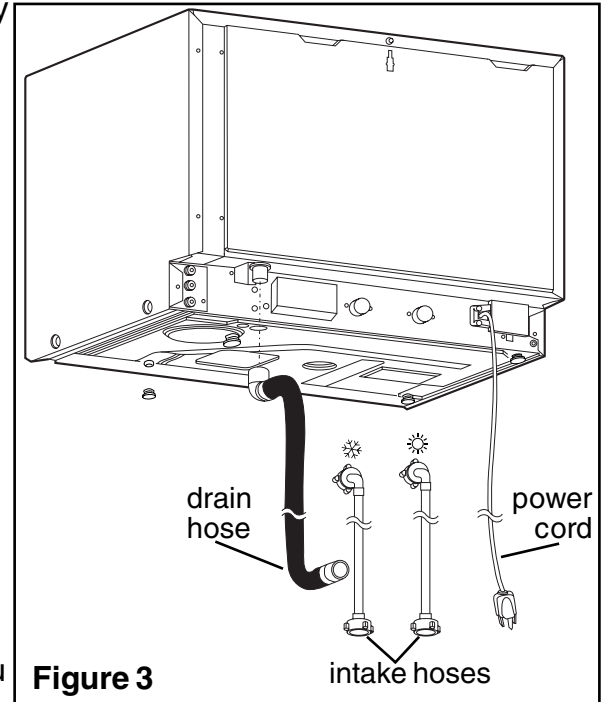
WARNING: This appliance must be correctly grounded! The manufacturer cannot be held responsible for damage or injury caused by incorrect or missing grounding. The unit power cord is approximately 5' / 1.5 m in length. If the unit is farther from the power source, a surge suppressing power bar should be used.

4. Installation cont'd.

4.2 Connection to the Water Intake

The unit must be connected to the water supply in accordance with all local and national plumbing codes. SciCan recommends a hard plumbing installation within 1.5 m / 5 ft. of the unit. If additional distance is necessary, commercial grade plumbing hose, similar to washing machine installation, must be used to ensure the minimization of possible leaks. If you require additional hose, your SciCan dealer can provide you with ordering details.

The unit is constructed with an air gap / anti-siphoning device on both the intake and drain hoses. Additional air gap / anti-siphoning devices are not recommended. The water pressure must be between 1-10 bar (14.5 and 145 psi). If the water pressure is not within this range, your local SciCan dealer can advise you of the measures to be taken.



NOTE: The cold water intake valve is located on the bottom left of the back of the unit, next to the exhaust hose. The hot water intake valve is located on the bottom right of the back of the unit

The Hydrim C51w is designed for cold and hot water connection in view of its technical application. The intake hoses are 1.9 m / 6.2 ft. long with 2 cm / $\frac{3}{4}$ " connectors.

4.3 Drainage

The unit is supplied with one 1.5 m / 5 ft. flexible drain hose with an inner diameter of 2 cm / $\frac{3}{4}$ ". The hose should not be shortened or attached to any fittings that would cause a reduction in water flow. The drain system is equipped with a non-return valve that prevents dirty water from flowing back into the unit.

The drain hose should not be further than 1.5 m / 5 ft. from a hard plumbing drain. If this is not possible, then commercial grade plumbing hose must be used to ensure the minimization of possible leaks. If you require additional hose, your SciCan dealer can provide you with ordering details.

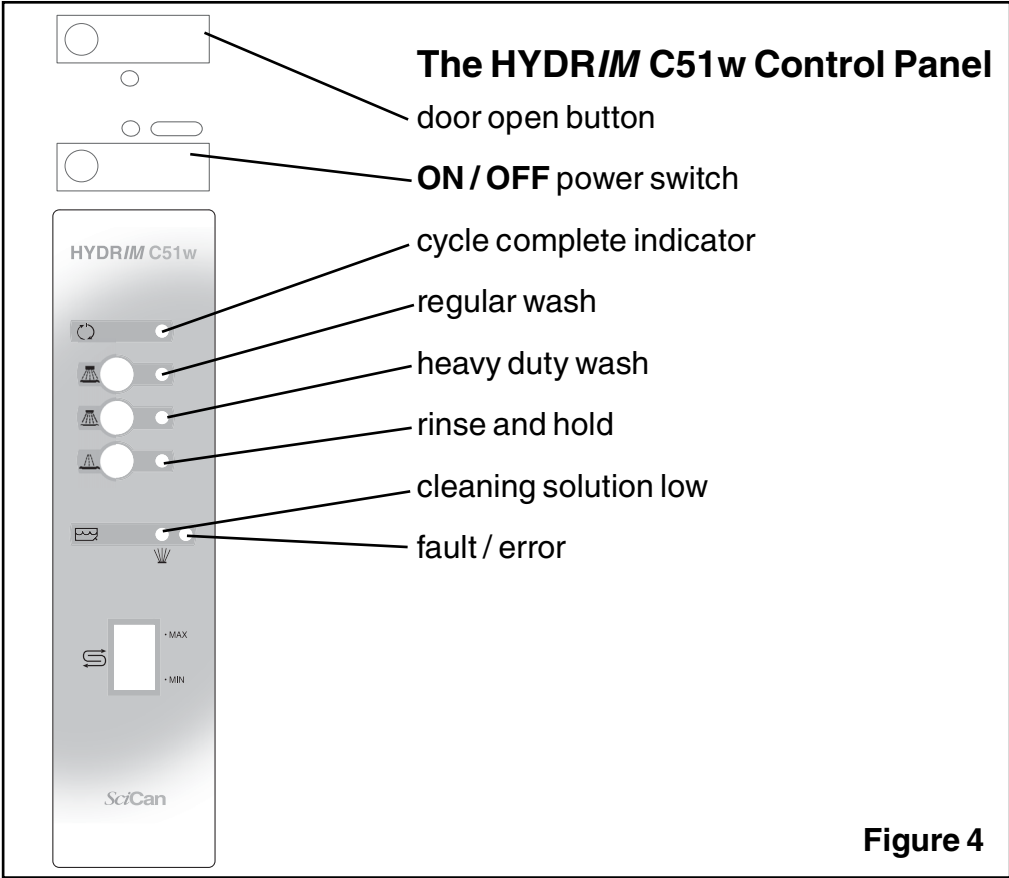
The hose can be attached to existing drain lines through the use of a 3.5 cm / 1- $\frac{1}{2}$ " or larger stand pipe / P-trap combination. Alternatively, the hose can be connected directly to the existing drain lines, provided any fittings or adapters used do not reduce the water flow. The drain hose should not be attached to the main drain at a point higher than 1 m / 3 ft. above the standing unit. A floor drain is acceptable.

4. Installation cont'd.

4.4 Installation Tips

1	The Hydrim C51w functions properly to a maximum altitude of 2000 m / 6561.7 ft. above sea level.
2	Inquire about the water hardness in your area from your local water utility. This information is necessary for you to determine whether or not water softening salt and rinse aid will be needed.
3	<p>Prior to installing the unit, the reprocessing area should be inspected. The following may be necessary for correct installation (an electrician and / or a plumber may be required):</p> <ul style="list-style-type: none">a) A level, water-resistant counter top, preferably close to the water intake and drainage.b) Holes may need to be drilled into the counter top and cabinet to route the hoses, drain tube and power cord.c) The water hoses provided with the unit are 1.9 m / 6.2 ft long with 2 cm / $\frac{3}{4}$" female fittings. The hot and cold water must have taps with corresponding male fittings. A water pressure of 1 - 10 bar / 14.5 - 145 psi is required. Ensure the hot and cold water hoses are connected to their respective inlet connectors at the back of the unit.d) The drain tube provided with the unit is 1.5 m / 5 ft long with an inner diameter of 2 cm / $\frac{3}{4}$". It should be connected to a drain point below the unit.e) If the unit cannot be installed close to the sink, the water hoses and the drain may need to be extended. Any additional necessary tube, connector and fitting should be acquired prior to installation. Please note that the drain tube should not exceed 3.3 m / 13 ft. Make sure that the extension hoses for cold and hot water can withstand the water line pressure.f) A power outlet of 220 V / 10 A with proper grounding is required for the unit. The power cord of the unit is 1.8 m / 6 ft long.
4	The Hydrim C51w is heavy (34 kg / 75 lbs). Seek assistance when lifting and installing the unit.
5	Level the unit using the adjustable feet underneath the unit. Use the bubble level indicator on the top right hand side of the unit to verify that it is properly leveled.
6	When connecting the water hoses, the connector with the elbow connects to the back of the unit. The washer with the screen goes into the connector at the other end of the hose.
7	Ensure the voltage and frequency of the power outlet are the same as detailed on the label of the unit.
8	Ensure that Hydrim C51w Cleaning Solution is available.
9	After loading the Hydrim C51w Cleaning Solution, ensure that the bottle connector is snug and in place.
10	Turn the water taps open, plug in the unit and run a cycle. Check the water and drain connections at both ends for leaks.

5. Instructions for Use



5.1 Instrument Reprocessing Recommendations

When used correctly, the Hydrim C51w is effective for the removal of debris on instruments that may result in the insulation of microorganisms during a terminal sterilization. Prior to inserting your instruments into the Hydrim, consult the manufacturer's reprocessing instructions.

All critical and semi-critical instruments can be considered clean after processing in the Hydrim C51w. Critical instruments: used to penetrate soft tissues or bone, for example forceps, scalpels, and scissors. Non-critical instruments: devices that come into contact only with unbroken skin. Non-critical instruments can be terminally processed in the Hydrim C51w.

Examples of instruments suitable for washing in the Hydrim C51w include:

Dental Instruments	• Stainless steel scalers, spatulas, hemostats, evacuation tips (9 mm / 0.33" ID and 15 cm / 6" long).
Medical Instruments	• Stainless steel retractors, needle holders, skin hooks, tissue forceps, scissors, curettes, and other stainless steel instruments free of deep cavities.
All other instruments should have the following properties	• heat resistance to a temperature of up to 70°C / 158°F • corrosion resistance in the presence of heat and alkalinity.

5. Instructions for Use cont'd.

Also, when assessing instrument suitability with Hydrim Cleaning Solution, reference these guidelines:

- Good quality stainless steel instruments are suitable for processing with Hydrim Cleaning Solution.
- Carbon steel is not suitable for processing in Hydrim Cleaning Solution. Examples of carbon steel are Hartzell tips and burrs.
- Stainless steel instruments that have working tips made of other materials may not be suitable for processing in Hydrim Cleaning Solution. Check with the manufacturer of the instrument for the material.
- Stainless steel instruments that are chrome plated are not suitable for processing in Hydrim Cleaning Solution. Mechanical rotating instruments such as burrs, grinders and root canal instruments are not suitable for processing in Hydrim Cleaning Solution.
- Dental handpieces, microkeratomes, phaco tubing, fiberoptics and electrical equipment should not be processed in the Hydrim.
- The high heat retention capacity of stainless steel allows for fast drying. Plastic has a lower heat retention capacity, thus needing a longer drying time.
- Rhodium-coated specula should be arranged so that their surfaces do not suffer any damage. Not all specula with glass are suitable for machine treatment.

NOTE: SciCan recommends that all hinged instruments be placed in open baskets in the Heavy Duty cycle.




NOTE: If using the cannula post adapter, always use the Heavy Duty Cycle.

To facilitate instrument drying SciCan recommends opening the hydrim door slightly at the end of the cycle. Instruments should not be left in a closed Hydrim unit following the completion of a cycle.

When processing small objects in the Hydrim (less than 6 mm x 25.4 mm / 1/4" x 1") use the fine mesh basket with lid (SciCan basket part number 01-103636S). Failure to do so will result in small objects passing through the filters. This can jam the pump and cause a unit failure. If this occurs, please contact your local SciCan service technician.

5. Instructions for Use cont'd.

5.2 Cycle Description Chart

Cycle	Rinse and Hold* 	Regular Wash 	Heavy Duty Wash 
Description	Use to prevent soil from drying on instruments and if wash cycle is not immediately desired.	Use for moderately soiled loose instruments.	Use for heavily soiled instruments or cassettes or the cannula post.
Temperature (wash)	35°C / 95°C	50°C / 122°F	50°C / 122°F
Wash/Rinse Time (min.)**	8 min.	18 min.	22 min.
Water Consumption	6 litres / 1.59 gallons	14 litres / 3.7 gallons	14 litres / 3.7 gallons

* This cycle is not a wash cycle and is not suitable for processing instruments prior to reuse.
Always run a wash cycle following the rinse and hold cycle.

** Cycle times depend on the temperature of incoming water. SciCan recommends setting hot water supply temperatures to 55°C / 131°F minimum. Colder water will result in longer cycle times

5.3 Baskets and Accessories



Observe the instrument manufacturer's recommendations for cleaning and care. When loading the unit, arrange loose instruments so that they do not touch one another. Instruments with concave surfaces or cavities should be placed so that water can drain freely.

The Hydrim C51w wash trolley can be configured in a number of different ways to accommodate a wide range of instruments. On the trolley you can insert open baskets, Sys™ or IMS cassettes (maximum cassette size: 303.5 mm x 386.25 mm or 11" x 14") and the cannula post.

NOTE: Some items are not standard with the unit.

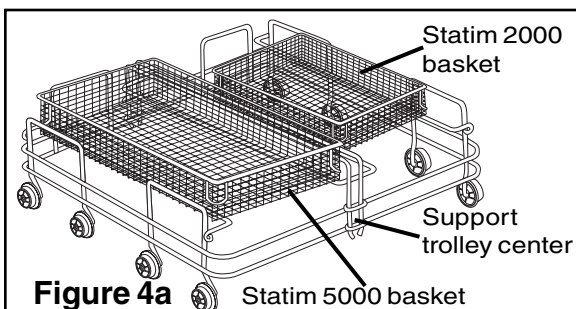


Figure 4a

1. Baskets only

With this option, the support trolley center is required. Statim 2000 or Statim 5000 baskets can be inserted into the baskets on the wash trolley. (Wash chamber can accommodate a maximum of 2 baskets.)

5. Instructions for Use cont'd.

2. Basket and single cassette

With this option, the support trolley center is required with the single, sloped rack.

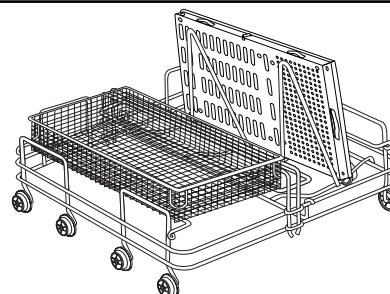


Figure 4b

3. Basket and cannula post

With this option the support trolley center is required with the cannula post and cannula rack.

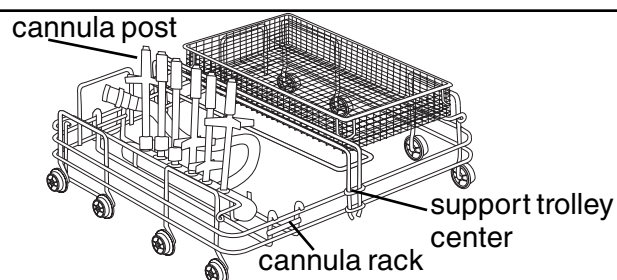


Figure 4c

4. Cassette

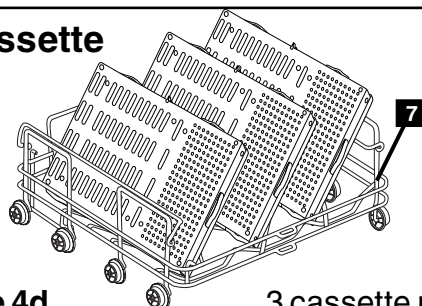


Figure 4d

3 cassette rack

5. Cannula post and single cassette

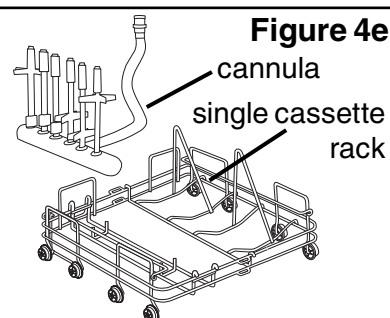


Figure 4e

6. Small basket

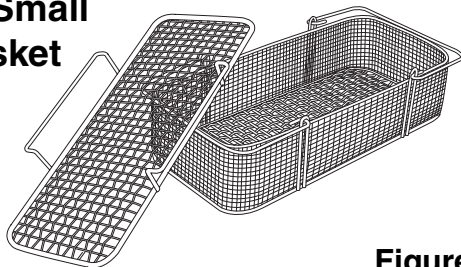


Figure 4f

7. Large basket

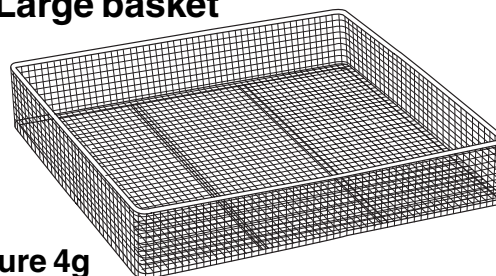


Figure 4g

Accessory	Order Number	Dimensions
Statim 2000 basket	01-107240	275 mm x 178 mm x 32 mm (10.8" x 7" x 1.3")
Statim 5000 basket	01-107241	373 mm x 178 mm x 42 mm (14.7" x 7" x 1.7")
Small basket	01-103363S	180 mm x 80 mm x 40 mm (7" x 3.15" x 1.6")
Large basket	01-108210	350 mm x 368 mm x 64 mm (13.75" x 14.5" x 2.5")
3-cassette rack	01-107243	—
1-cassette rack	0-107242	—
Cannula post	01-107244	—

5. Instructions for Use cont'd.

5.4 The Cannula Post

To wash hollow instruments, or instruments with large internal cavities, the cannula post can be attached to the upper wash arm collar. Instruments with an internal diameter of less than 9 mm / 0.35" should **NOT** be inserted onto the cannula post.

To attach the cannula post, follow these steps:

1. Remove the upper wash arm plug (fig. 5a) and replace it with the cannula nut (fig. 5b). Ensure that the three pieces of the cannula nut are assembled as shown.
2. Hook the cannula rack onto the trolley and place the cannula post into it.
3. Insert the wash trolley into the Hydrim C51w.
4. Push the cannula hose into the upper wash arm collar (fig. 5c). There will be slight resistance. When it is secured in place, you will detect a slight click.
5. To remove the cannula post, reverse the above procedure.

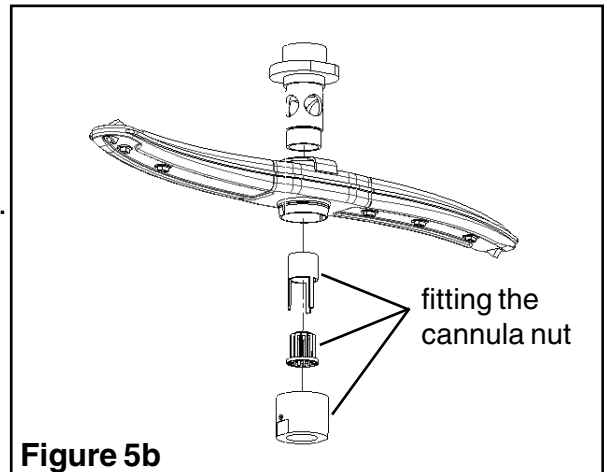
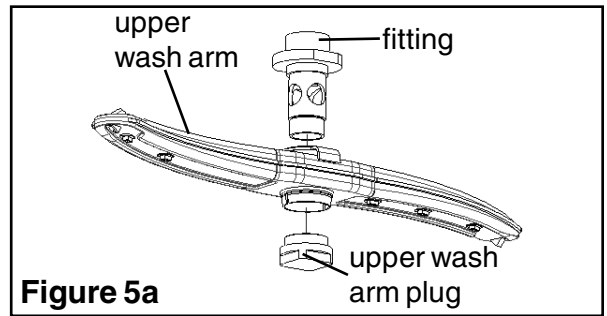


Figure 5b

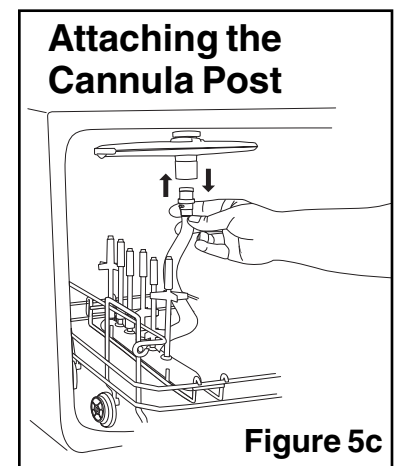


Figure 5c

5.5 Activating the Washer

Prior to activating the washer, follow these steps:

1. Check that the water supply is **ON**.
2. Power the unit **ON**.
3. Check that there is sufficient cleaning solution.



NOTE: The cleaning solution indicator light will be flashing if more solution is required.

4. Visually inspect the wash arms to see if there is material clogging the holes.
5. Ensure that the coarse filter screen and fine filter screens have been cleaned and are in place.

NOTE: For explanations regarding filter and wash arm maintenance, see section 6.4.

5. Instructions for Use cont'd.

5.6 Unloading Instruments



Instruments may be **HOT** when cleaning cycles are complete. To protect yourself from burns, allow the instruments to be cool to the touch before removing from the washer. Inspect the instruments coming out of the washer for visible debris.

The Hydrim C51w does **NOT** have a drying cycle. For best drying results, at the end of each cycle leave the washer door ajar to allow water to evaporate. The power switch must be **OFF** in order to open the door.

6. Maintenance

6.1 Loading the Hydrim C51w Cleaning Solution

The Hydrim C51w uses a 1.9 L / 0.5 U.S. gallon container of Hydrim C51w Cleaning Solution. Use only the recommended cleaning agent and be sure to read the caution instructions on each bottle before inserting into the unit.

To order additional Hydrim C51w Cleaning Solution, contact your local dealer. When the cleaning solution indicator is activated, the cleaning solution container is empty and is in need of changing. To avoid spillage, replace the solution container only when the indicator light is **ON** and be sure to wear gloves.

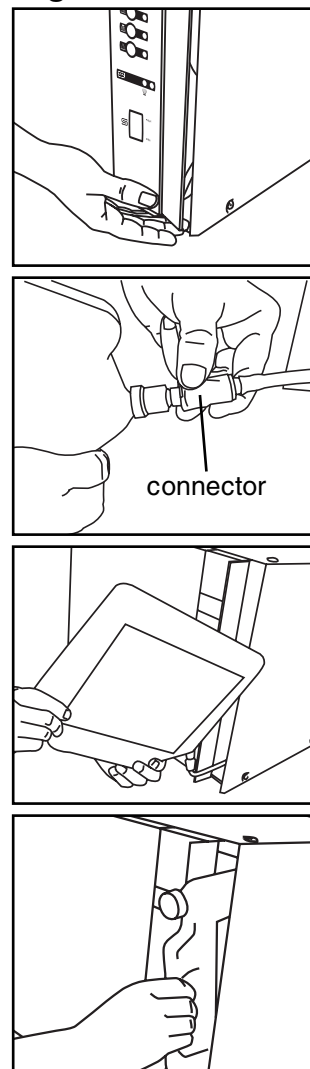
NOTE: Each bottle should last approximately 25 cycles.

To replace the cleaning solution container, follow these steps:

1. Turn the power switch **OFF**.
2. Pull open the cleaning solution door.
3. Disconnect the cleaning solution connector.
4. Remove the empty cleaning solution connector and discard or recycle. Ensure the connector is clean and free of residue.
5. Connect new bottle and insert into the cleaning solution compartment. Follow the instructions printed on the back of each cleaning solution container.
6. Close the door.

Reordering part-number: CS-C51W (case of 4 x 0.5 US gallons / 1.9 L)

Figure 6



6. Maintenance

6.2 Water Softener and Rinse Aid

Hydrim C51w Cleaning Solution contains sufficient properties to minimize water spots, residual soap, scale, and calcium build-up.

If you are in an area where the water hardness is higher than normal, water softening salts and rinse aid may improve the cleaning results.

NOTE: The use of water softening salts and rinse aid may contribute to increased foaming and residue on the washed instruments. If this condition exists, reduce the quantity dispensed as per the following instructions.

6.2.1 Filling the Water Softening Reservoir

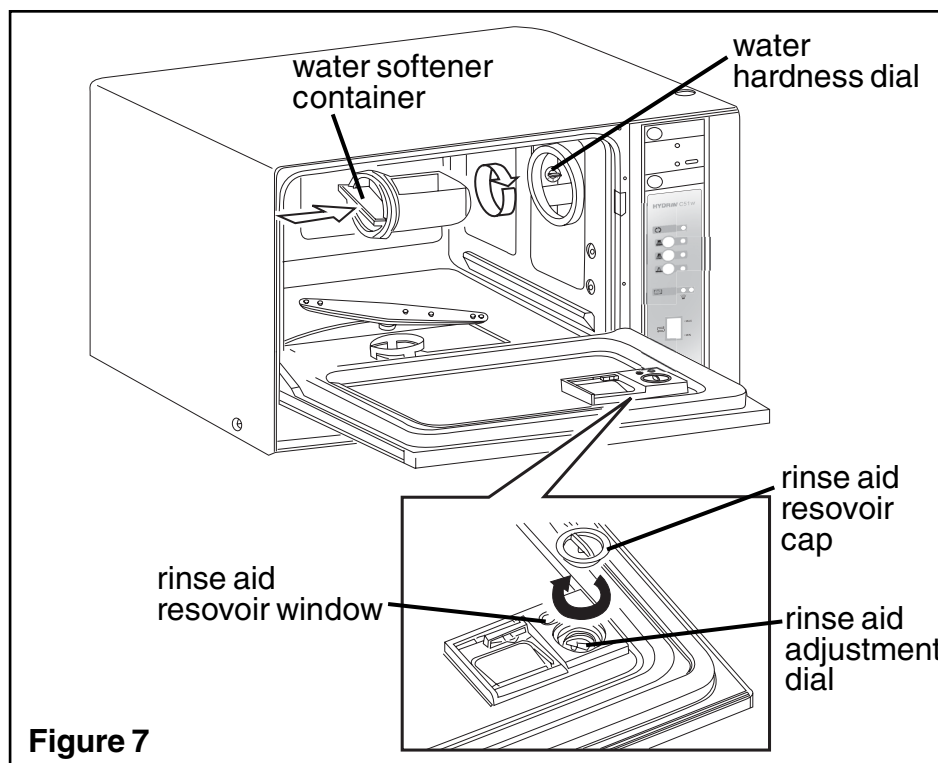


To fill the water softener container, follow these steps: (see figure 7)

1. Pour 0.5 litre / 16 U.S. fl. oz. of water into the water softener container.
2. Fill the container with water softening salt. (The container will hold up to 0.5 kg / 1.1 lbs of salt.)
3. Screw the container back into position.
4. Ensure that the container is completely sealed so that no cleaning solution can contaminate the reservoir.
5. Adjust the water hardness dial to the setting closest to your water hardness.
(If streaks or water spots appear, turn the water hardness dial to a higher number.)

	0	1	2	3
mmol / l	0 - 0.6	0.7 - 3.6	3.7 - 5.1	5.2 - 8.9
°dH	0-3	4 - 20	21 - 28	29 - 50
°fH	0-6	7 - 36	37 - 51	52 - 89
°Clarke	0-4	5 - 25	26 - 35	36 - 63
ppm or mg / l	0-60	70 - 360	370 - 510	520 - 890
GPG	0-3.5	4 - 21	22 - 30	30.5 - 52

6. Maintenance cont'd.



6.2.2 Using Rinse Aid

SciCan recommends using STAT-DRI whenever extreme spotting is visible. STAT-DRI can be purchased in a 230 ml / 8 U.S. fl. oz. refill (#80Z473) or a 1 L / 34 U.S. fl. oz. refill (#320Z473). STAT-DRI is available from your dealer or you can contact SciCan directly for order information.

A maximum of 60 ml / 2 U.S. fl. oz. of rinse aid can be added at one time. This amount will last approximately 20 - 25 rinses if the rinse aid adjustment dial is on setting 3. If the rinse aid reservoir window appears dark, the container is full.

To add rinse aid, follow these steps (see figure 7):

1. Turn the power switch **OFF**.
2. Open the door.
3. Turn the rinse aid reservoir cap counter-clockwise and remove it.
4. Pour rinse aid into the rinse aid reservoir until the window turns dark.
5. Replace the cap securely.
 - If streaks appear, turn the rinse aid adjustment dial back.
 - If water spots appear, turn the rinse aid adjustment dial to a higher number.

6. Maintenance cont'd.

6.3 Cleaning the Hydrim C51w



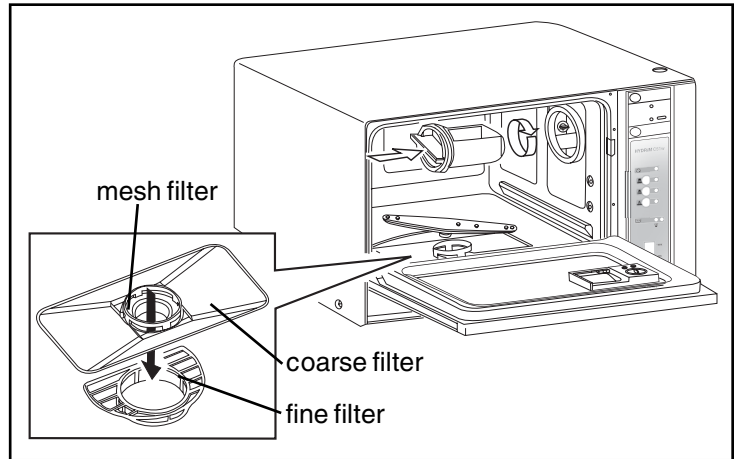
To clean all outside surfaces, use a soft cloth moistened with soap and water only. Do not use harsh cleaning chemicals or disinfectants.

6.4 Filter and Wash Arm Maintenance

Filter Maintenance:

Inspect the coarse and fine filters **daily** for debris and clean if necessary.

1. Grasp the handle in the center of the coarse filter and turn it 90° counter-clockwise. (To reinsert the coarse filter, turn the handle clockwise.)
2. Remove the coarse filter.
3. Remove the fine filter.
4. Clean both filters by rinsing them in tap water.
5. Re-assemble.



Wash Arm Maintenance:

Inspect the wash arms **weekly** for debris and clean if necessary.

1. Open the unit door and remove the wash rack from the unit.
2. Hold the fitting and unscrew the upper wash arm plug.
3. Remove the upper wash arm.
4. Using two hands, grasp both ends of the lower wash arm on the underside.
5. Pull the lower wash arm upwards.
6. Inspect both sides of the wash arms for debris in the nozzles. Remove the debris where necessary.
7. Rinse both wash arms with tap water.
8. Reassemble the wash arms.

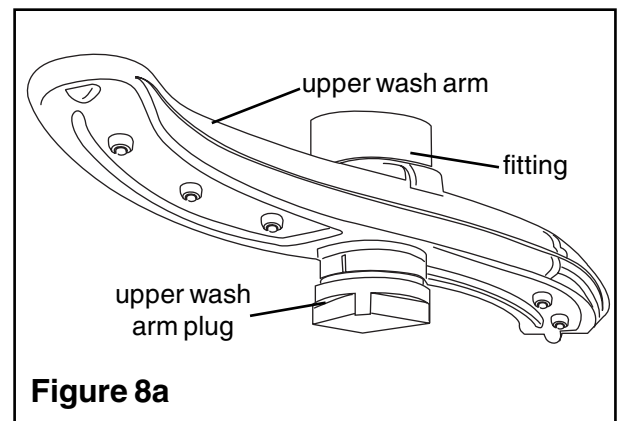


Figure 8a

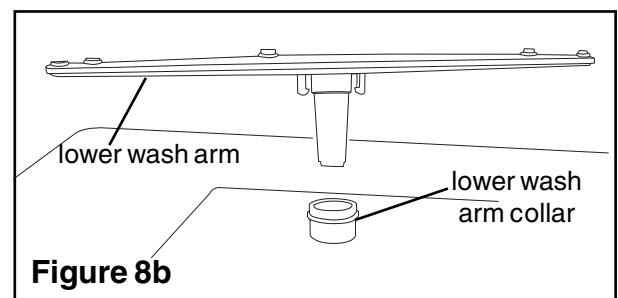


Figure 8b

7. Troubleshooting

Problem	Possible Causes and Solutions
Instruments are not clean	<ul style="list-style-type: none"> Do not overload cassettes Do not load too many cassettes into the Hydrim Use the Heavy Duty cycle for cassettes and hinged instruments Check that the cleaning solution is dispensing properly. Check filters and wash arms for debris (see section 6.4).
Unit lights do not come ON .	<ul style="list-style-type: none"> The power button has not been turned to ON. The plug might not be properly inserted into the wall socket. A fuse or circuit might be blown – call service for assistance.
The unit does not power ON .	<ul style="list-style-type: none"> The door may not be properly closed.
The upper wash arm does not rotate with ease.	<ul style="list-style-type: none"> Pull the upper wash arm off and clean it (see section 6.4). Clean the upper wash arm collar.
The washer door cannot be opened.	<ul style="list-style-type: none"> The main switch is not turned OFF. The door open button may not be pressed hard enough. Instruments are not properly arranged in the unit.
Strange rattling noises are heard while the unit is in use.	<ul style="list-style-type: none"> Contact your local SciCan dealer.
Wash cycles are taking too long to complete.	<ul style="list-style-type: none"> The water is not hot. Contact your local SciCan dealer.
The Cleaning Solution level is not decreasing.	<ul style="list-style-type: none"> Check for kink in tubing. Contact your local SciCan dealer.
None of the above happens and the unit still does not work.	<ul style="list-style-type: none"> Contact your local SciCan dealer.
Error light flashes once.	<ul style="list-style-type: none"> The water is not heating to the wash cycle specifications. Contact your SciCan Dealer if problem persists.
Error light flashes twice.	<ul style="list-style-type: none"> The unit has failed to fill with water. Contact your SciCan Dealer if problem persists.
Error light flashes three times.	<ul style="list-style-type: none"> The water temperature reading has failed. Contact your SciCan Dealer if problem persists.
Error light flashes four times.	<ul style="list-style-type: none"> This is caused by the water failing to leave the unit. Check the exhaust tube for kinks and that it is connected to an unblocked drain. Contact your SciCan Dealer if problem persists.

1. Introduction

Spots on instruments	<ul style="list-style-type: none">• Use Rinse Aid (see section 6.2.2)• Open the door slightly at the end of the cycle.
Stains / Rust appears on instruments	<ul style="list-style-type: none">• Use Rinse Aid (see section 6.2.2).• Incompatible instruments in load.• Do not mix carbon steel with stainless steel instruments.• Open door slightly at the end of the cycle.



NOTE: Fuses should **NOT** be replaced by the operator. Call a certified service technician for assistance.

8. HYDR/M C51w Specifications

Dimensions / mass:

Height:	475 mm / 18.75"
Width:	600 mm / 23.6"
Depth:	460 mm / 18.25"
Depth with door open:	780 mm / 30.7"
Weight:	34 kg / 75 lbs
Running Noise:	60 dBA
Hot water connection:	70°C max / 158°F
Rinse aid dispenser:	60 ml / 2 U.S. fl. oz. capacity
Water softener:	0.5 kg / 1.1 lbs salt capacity
Filling system:	3.5 L / 120 U.S. fl. oz. safety maximum
Wash temperature:	50°C / 122°F +/- 5°C / 9°F
Rinse pre-wash:	35°C / 95°F +/- 5°C / 9°F

Electrical Consumption:

North America:	208-240 V	60 Hz	10 A
Europe:	220-240 V	50 Hz	10 A

Other:

Equipment pollution degree:	Pollution Degree 2
Equipment installation category:	Installation category II
Maximum relative humidity:	80% for temp up to 31°C / 88°F 50% for temp up to 40°C / 104°F
Operating temperature range:	-5°C to 40°C (23 - 104°F)
Max. altitude	2000m / 6561.7ft.
Mains supply	+ / -10% of nominal