

HYDRIM C61w G4

INSTRUMENT WASHER

- Installation Manual
- Instructions d'installation



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HYDR/M C61w G4 Installation Instructions

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HYDR/M C61w G4 Installation Instructions

NOTE:

- The HYDR/M C61w G4 unit should only be installed by a trained, SciCan approved technician.
- Installation should only proceed after the satisfactory completion of the pre installation documentation.

Model Number _____ Serial no. _____

There are several factors that may affect the performance of your HYDR/M. Please review these factors, before installation and ensure the location is suitable.

Temperature and Humidity

Avoid installing your HYDR/M in direct sunlight or close to a heat source (e.g. vents or radiators). The recommended operating temperatures are +5 to +40°C with humidity of 80% for temperatures up to 31°C and 50% for temperatures up to 40°C.

Spacing

The vents and openings on the HYDR/M should remain uncovered and unobstructed. Do not move the HYDR/M C61w G4 into place by maneuvering the open wash chamber door. This may cause the door to become misaligned and can cause leakage.

Venting

The HYDR/M should be operated in a clean, dust free environment.

Work Surface

The HYDR/M should be placed on a flat, level, water-resistant surface. Never install and operate the unit on a sloped surface.

Electromagnetic Environment

The HYDR/M 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 HYDR/M. Avoid multiple outlet receptacles. If using a surge suppressor power bar, plug in one HYDR/M only.

WARNING: NEVER LOCATE THE HYDR/M WITH THE ELECTRICAL OUTLET RECEPTACLE BEHIND THE MACHINE!

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Unit installation checklist

NOTE: Refer to Operator's manual during installation for operating the machine.

1. Inventory Check

Open box and check contents (add  or  as appropriate):

HYDR/M C61w G4 unit	
Operators manual	
Carrier (trolley)	
Cleaning solution carrier (installed in unit)	
Water feed hose (red) – 'hot'	
Water feed hose (blue) – 'cold'	
Drain tube	
Drain tube clips (x2)	
Water hardness test kit	
Salt for regeneration unit	
Salt funnel	
HEPA Filter (installed in unit)	
3 Cassette/2 Basket Rack	
Basket with Hinged Lid	

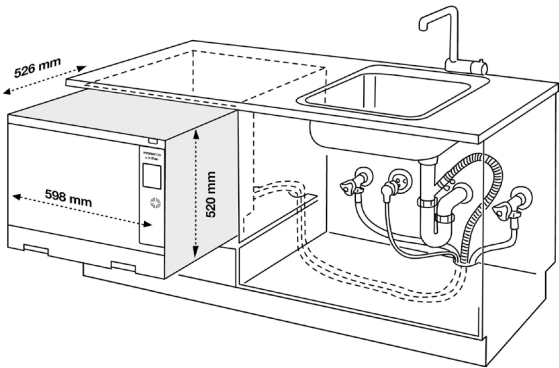
NOTE! HIP™ Ultra cleaning solution (CS-HIPC-U) is required to run the machine and is NOT included with the machine. Please ensure cleaning solution has been separately provided prior to installation.

2. Unit installation

Installation configurations

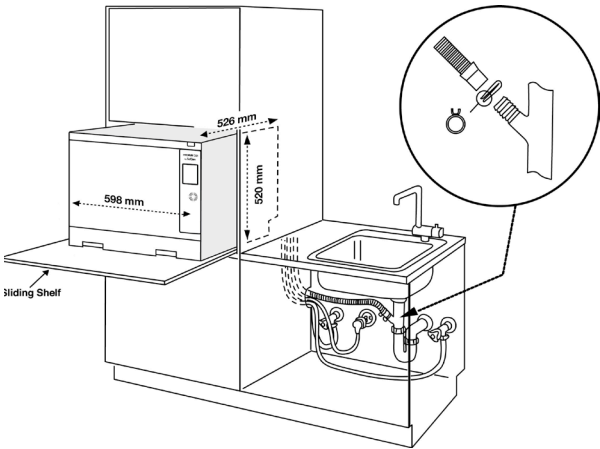
The HYDR/M C61w G4 may be installed under-bench or free standing dependent on space and service availability.

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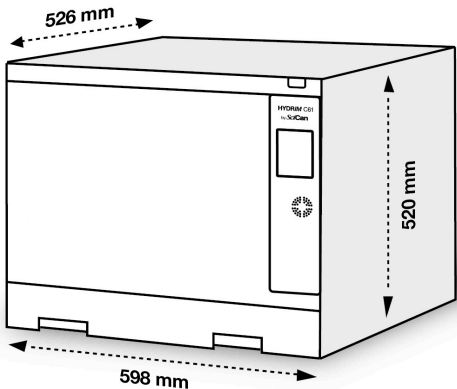


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Option 2. Sliding Shelf



Option 3. Counter Top



NOTE 1 - Although not required, if the HYDR/M is installed under a counter, it is recommended to allow a 10 mm space at the top, back and both sides of the unit. This will facilitate installation, levelling, and service access to the HYDR/M.

NOTE 2 - Important! Ventilation during drying is via the front of the machine. Some increase in humidity may be apparent during this drying phase and it is imperative that sufficient air circulation is available surrounding the machine to enable this humidity to be dissipated. Failure to provide adequate ventilation may lead to equipment or cabinetry damage (depending on installation configuration).

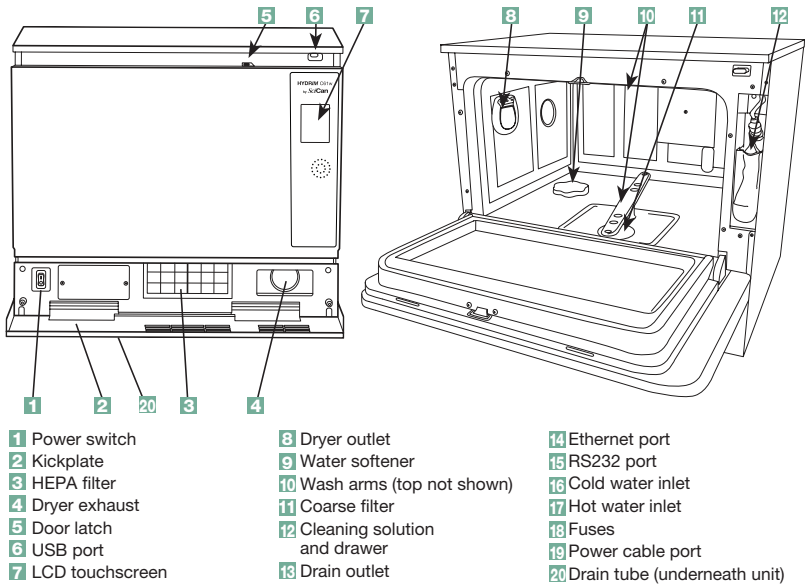
NOTE 3 - The drying system has a filtered air intake. The free movement of air to this intake is important and failure to provide the required space may cause overheating of the dryer motor and/or compromise drying efficiency.

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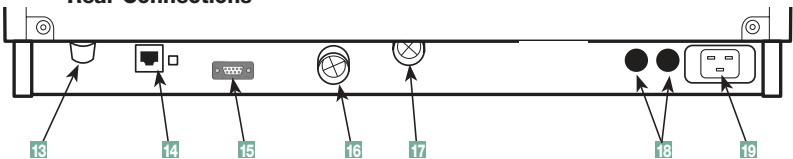
Set up unit as follows:

- Unpack unit and remove all restraining ties
- Locate unit in approximate position

NOTE 1 - Do not move the HYDR/M C61w G4 into place by maneuvering the open wash chamber door. This may cause the door to become misaligned and can cause leakage.



Rear Connections



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Connect water feed pipes to machine and relevant services:

Water feed requirements:

Hot water/RO feed with G ¾" shut off valve (washing machine fitting)	
• Maximum distance from installation less than 1.50 meters	
• Pressure between 2 and 5 bar	
Cold water feed with G ¾" shut off valve (washing machine fitting)	
• Maximum distance from installation less than 1.50 meters	
• Pressure between 2 and 5 bar	

Connecting the water inlet hoses (see diagram):

Connect the hot water hose (red) to the hot water inlet valve (16) on the HYDR/M (indicated by a red dot) and the cold water hose (blue) to the cold water inlet valve (15) on the HYDR/M (indicated by a blue dot). The connector with the elbow should be attached to the drain outlet (13) on the back of the HYDR/M unit. The end of the hose with the gasket and the screen should attach to the water supply connector. Make sure that the inlet valves are free of debris (15 & 16).

NOTE 1 - If hot water/RO feed is not available then it must be possible to attach a 'Y' fitting to the cold water feed valve so that both machine pipes can be connected to the cold supply. **The machine will not work with only one supply attached as it requires pressure in both supplies to activate the feed pressure switches.** Please note that cold fill only will increase cycle times.

NOTE 2 – Water feeds should be adjacent to the machine and not behind it so that the shut off valves may be accessed in case emergency isolation is required and to ensure unit can be inserted fully under the work surface.

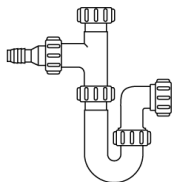
Connect drain tube to machine and relevant services

Drain requirements:

• Maximum distance from installation is 1.50 meters with supplied drain hose	
• The maximum length of an extended drain hose should not exceed 3.30 meters	
• Drain should be no more than 1 meter above the base of the HYDR/M unit	
• 'P' trap spur connection (preferred method) OR	
• Standpipe connection	

NOTE 1 – The preferred method of connection of the HYDR/M to the drain is by the use of a 'spurred' 'P' trap fitting.

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NOTE 2 – The waste connection pipe is clamped on to the spur by the clips provided with the HYDR/M. Wherever possible, if the HYDR/M is located close to a sink unit, then this method should be used. If the HYDR/M is not close to a sink unit and a ‘P’ trap cannot be used, then a standpipe with ‘U’ bend fitting can be used. **This must be a dedicated standpipe. Under no circumstances should any other equipment share the standpipe.**

NOTE 3 – Waste connection should be adjacent to the machine and not behind it.

Connecting the drain hose:

Connect the drain hose to the drain outlet. The drain hose can be attached to existing drain lines using a 3.5 cm or larger standpipe/ P-trap combination. If the hose is connected directly to the drain line, fittings and adapters should not reduce water flow. A floor drain is acceptable (check local codes).

Level machine in final position with adjustable legs	
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For the unit to function properly, it will need to be correctly leveled. To level the unit, follow these steps:

1. Adjust the legs underneath the unit.
2. Use a level as a guide

Connect machine to power supply

Electrical supply requirements:

• Dedicated 12A independent supply (see Note 1 below). OR	
• Standard domestic outlet	
• Voltage: 208-240 VAC ±10%, single-phase, 60 Hz, 12A	
• Located within 1.50 metres maximum	
• Supply location (see notes below)	
• Power cord routing (see note below)	

NOTE 1 – The HYDR/M C61w G4 is supplied with a domestic fused plug as standard. A dedicated hard wired 12A supply can also be used.

NOTE 2 – Due to the power requirements of the HYDR/M, (Rated load 2 kW) especially during drying, it is advised that no other equipment is connected to the same supply outlet.

NOTE 3 – Power supply outlet should be adjacent to the machine and not behind it. The cable should be routed away from the back panel and hot water inlet hose.

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Checking Water Quality

The quality of the water being used in the HYDR/M to clean the medical instruments is very critical to achieving satisfying cleaning results and to protecting the instruments and the internal parts of the HYDR/M from deterioration. Dissolved solids in the water can cause stains, spots, and corrosion on instruments and the internal parts of the HYDR/M.

Before installing and using the HYDR/M, SciCan recommends testing the water and recording the results for water hardness, water conductivity, and pH-value for future references here.

The following table lists the desired levels of the water parameters. If the test results of any of the water parameters exceed the stated problem levels, a full water analysis is recommended and the installation of a water treatment system may be required to achieve satisfying cleaning results with the HYDR/M.

Water Parameter	Desired Level	Units	Problem Level
pH value	7.0 – 7.5	S.U.	< 6.8 or > 8.5
Hardness	< 85	mg/l	> 100
Water conductivity	< 274	microS/cm	> 469

The HYDR/M is equipped with an air gap / anti-suction device to prevent backflow of dirty water into the water supply.

Water hardness	
• Hot water	
• Cold water	
• Water conductivity	
• pH value	
Action required (if any):	

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Connecting to a network

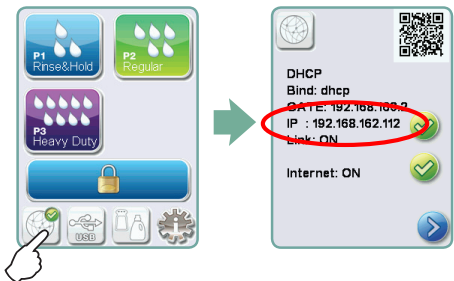
The HYDR/M C61w G4 has a 10/100Base-T Ethernet port located at the back of the unit (14 in diagram). To connect your HYDR/M to a network using a router, follow these steps:

1. Connect your network cable to the Ethernet port at the back of the unit. If your office uses a router, the router should automatically assign the unit an IP address. A red X on the network icon means the unit is not connected. A yellow check mark means the unit has an IP address but is not connected to the Internet and cannot send emails. A green check mark means the Internet connection is set up properly and the unit can send out emails.



NOTE: In some circumstances, where you do not have a router, for example when using Windows Network Sharing, you may have to assign a dedicated or 'static' IP address. To assign a static IP address, contact your local network administrator.

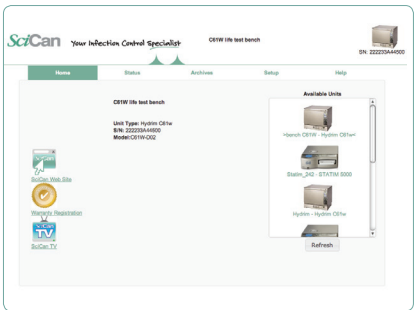
2. From the main screen, press the Network icon. The Network screen displays information about your HYDR/M's connectivity, including its IP address.



3. Type the IP address displayed on the touchscreen into the browser of any web enabled device to access your unit's web portal. When the Network icon is active (for example when sending email) it will turn green.

NOTE: Use QR code if connecting to a mobile device.

NOTE: Connection time will vary depending on your network speed, and making an initial connection can take longer.



Connecting to a wireless network

The HYDR/M can be configured for wireless use by connecting the Ethernet port to an external wireless bridge / access point. SciCan currently recommends the use of the D-Link® DAP-1522 Xtreme N® Duo Wireless Bridge. Contact your network administrator to learn more about setting up a wireless bridge or SciCan's dedicated networking hotline at 1-800-635-5179 (8am to 8pm EST Monday to Friday) or email at support@scicansupport.com.

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3. Testing the unit

Power up unit and run as follows (add  or  as appropriate):

Check cycle selection on all cycles	
Check and select language if appropriate	
Check and set date and time	
Connect HIP™ Ultra cleaning solution pouch	
Run test cycle	
Run 2nd test cycle	
Check unit for leaks during 2nd cycle	

4. User training

Fill in user customer/details:

Customers Name and Address:	
User Name 1	
User Name 2	
User Name 3	
User Name 4	
User Name 5	
User Name 6	

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Advise users as follows:

Preparation and loading of instruments	
Cycle selection	
User and setup menus	
Running a cycle	
Stopping the cycle	
Cleaning the machine and filters	
Replenishing salt regeneration unit	
Changing dryer filter	
Installation of cleaning fluid	

5. Unit handover

The HYDR/M C61w G4 unit as per the details above (page 1) has been satisfactorily installed and tested, and the users mentioned in section 4 above have been trained in the use of the unit.

Approved by:

Installation Technician		
Signature:	Name (print):	Date:

Customer/Main User		
Signature:	Name (print):	Date:

Copy document and give one to customer and keep one on unit service record.