



Scican Ltd. 1440 Don Mills Road, Toronto, Ontario, Canada. M3B 3P9

Product Advice Sheet – SD-429

HYDR//M L110w G4 Instrument Washer Pre-Installation Instructions

To ensure the optimum performance of SciCan HYDR//M L110w G4 washer it is imperative that the correct services are made available and that the positioning of the unit does not compromise the function of the unit in any way.

Prior to installation therefore it is important that the site be inspected and all the appropriate conditions are met to ensure the safe and efficient operation of the washer.

Practice details and summary results.

Practice/Office location details	
Customer Name:	
Address	
Tel:	

Installer/Pre installation inspector	
Name:	
Dealer details	
Tel:	

Conditions approved/rejected for installation subject to checklist below (✓/✗)	
Name	
Signature	
Date	
On behalf of (Dealer)	

Installation configurations

The HYDR/M L110w G4 may be installed under-bench or free standing dependent on space and service availability.

The configuration options are:

1. Under-bench ✓/✗	2. Free Standing ✓/✗

Space Requirements	✓/✗
<ul style="list-style-type: none"> Ensure adequate space is available to install the unit 	

Note 1 - Although not required, if the HYDR/M is installed under a counter, it is recommended to allow a 10 mm / 0.4" 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 – Avoid installing the HYDR/M in direct sunlight.

Note 3 - **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 4 - The drying system has a 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.

Pre Installation checklist

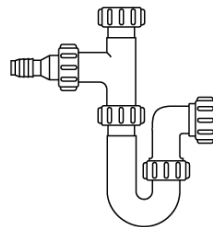
The following items are required to be in place before installation commences.

Description	✓/✗
Hot water / Cold water / RO feed with G 3/4" shut off valve (washing machine fitting)	
<ul style="list-style-type: none"> Maximum distance from installation less than 1.50 m / 5 ft 	
<ul style="list-style-type: none"> Pressure between 1 and 10 bar / 14.5 and 145 psi 	
<p>Note 1 - If hot water 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.</p>	

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.

Drain outlet	✓/✗
<ul style="list-style-type: none"> Maximum distance from installation is 1.50 m / 5 ft with supplied drain hose 	
<ul style="list-style-type: none"> The maximum length of an extended drain hose should not exceed 3.30 m / 10.8 ft. 	
<ul style="list-style-type: none"> Drain should be no more than 1 m / 3.2 ft above the base of the HYDRIM unit. 	
<ul style="list-style-type: none"> 'P' trap spur connection (preferred method) OR 	
<ul style="list-style-type: none"> Standpipe connection 	

Note 1 - The preferred method of connection of the HYDRIM to the drain is by the use of a 'spurred' 'P' trap fitting.



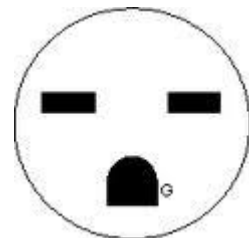
Note 2 - The waste connection pipe is clamped on to the spur by the clips provided with the HYDRIM. Wherever possible, if the HYDRIM is located close to a sink unit, then this method should be used. If the HYDRIM is not close to a sink unit and a 'P' trap cannot be used, then a standpipe with 'U' bend 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.

Electrical supply	✓/✗
<ul style="list-style-type: none"> Dedicated 15A independent supply (see note 1 below) OR 	
<ul style="list-style-type: none"> Standard domestic outlet. 	
<ul style="list-style-type: none"> Voltage: 208-240 VAC ±10%, single-phase, 60 Hz, 15 A 	
<ul style="list-style-type: none"> Located within 1.50 m / 5 ft maximum. 	
<ul style="list-style-type: none"> Supply location (see notes below) 	
<ul style="list-style-type: none"> Power cord routing (see note below) 	

Note 1 - The HYDRIM L110w G4 is supplied with a domestic fused plug (NEMA 6-15) as standard. A dedicated hard wired 15A supply can also be used.

Note 2 - Due to the power requirements of the HYDRIM, (Rated load 2.5 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.

General Notes
<p>Note 1. Washers by their very nature uses water and chemicals, and generates heat during use. It is important therefore that their surroundings (cabinetry and flooring) are of good quality and in good condition</p>

to minimise the risk of damage, particularly where a 'built in' configuration is used.

Note 2. The HYDRIM L110w G4 is also heavy! (80 kg / 176 lbs) Consideration should therefore be given to the structural integrity of the flooring.

Note 3. From time to time, access will be required to service the machine. It is important therefore to ensure that adequate space is available in front of the machine to allow easy removal of the equipment. Ensure that when the machine is pulled out that the integrity of the services is not compromised.

Optimum features should be as follows:

• Cabinetry/floor	✓/✗
○ Waterproof	
○ Sealed edges	
○ Heat resistance	
○ Sound structural integrity	
○ Post installation access	
○ Flatness (See note 3 above)	

Water Quality

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

Before installing and using the HYDRIM, 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 HYDRIM.

Water Parameter	Desired Level	Units	Problem Level
pH value	7.0 – 7.5	S.U.	< 6.8 or > 8.5
Hardness	< 85	ppm	> 250
Water conductivity	< 274	microS/cm	> 469

The HYDRIM 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):

Internet Connection	✓/✗
Install a Cat 5 or 6 Ethernet port	
<p>Note 1 – The port should be installed behind the unit.</p> <p>Note 2 – Ensure that the port has access to the office network and the internet.</p> <p>Note 3 – Although the unit can be connected to a bridge for wireless access, it is recommended to use hard wired connection to minimize risks with network connections.</p> <p>Note 4 – For additional networking questions, please contact the office network administrator or SciCan's dedicated network hotline at 1-800-635-5179 (8am to 8pm EST Monday to Friday) or email at support@scicansupport.com.</p> <p>Note 5 – If the office has purchased (or plans to purchase) other internet connectivity (G4) products, install multiple Ethernet ports to accommodate other G4 products from SciCan.</p>	

INSTALLATION OVERVIEW

Description	✓/✗
Sufficient space for unit installation	
Hot and cold water feeds are installed	
Drain pipes are prepared	
Electrical requirements are met	
Cabinetry/floors can withstand operation of the unit	
Water quality is acceptable	
Internet connection installed	

Technical Specifications Summary

Height	850 mm / 33.5"
Width	600 mm / 23.75"
Depth (Door closed)	600 mm / 23.75"
Depth (Door open)	1200 mm / 47"
Weight	80 kg / 176 lbs
Floor loading per support (3) when full	N
Required clearance, top, sides and rear	>10mm / 0.4"
Maximum Running Noise	<78 dB(A)
Inlet water connections	G 3/4"
Inlet water pressure	1-10 bar / 14.5-145 psi
Drain	3/4"
Maximum water discharge temperature to drain	60°C / 140°F
Maximum water hardness	30.3°dH, 31.6 US GPG, 540 PPM
Maximum water conductivity	844 µS/cm
pH range	>6.8 and < 8.5
Water volume per process stage	± 4 litre / 1 US gal
Total water consumption per cycle with drying	± 32 litres / 8.45 US gal
Water softener salt capacity	1.0 kg / 2.2 lbs
Equipment installation category	II
Voltage 208 – 240 VAC	+/- 10%
Frequency	60 Hz
Rated load	2.5 kW
Circuit breaker	15 amps
Operating temperature range	5°C - 40°C / 41°F-104°F
Maximum relative humidity	80% for temp up to 31°C / 88°F 50% for temp up to 40°C / 104°F
Maximum operating altitude	2000 m / 6,562 ft
Equipment pollution degree	2
Maximum deviation from plane horizontal surface.	2mm / 0.04"