G4

A new wave in automated instrument washing

Introducing the new HYDR*IM* G4 series

Taking control of your infection control

The hazards of manual cleaning

Hand scrubbing is increasingly less used because it exposes staff to the hazards of skin punctures and can affect the productivity of the practice as it takes time away from patient care.

The limitations of ultrasonic cleaning

Ultrasonic cleaning is also used but its effectiveness compared to automated washing has long been under question. Ultrasonic cleaning requires subsequent rinsing before sterilization, adding steps to sterilization efficiency.

The challenge in both these methods is the effect on human resources. As Mark Tholen writes in Dental Economics, "Decontaminating, washing, rinsing, and drying instruments are extremely labor intensive and dramatically reduce the throughput speed of instrumentation through sterilization."*

He points to the automated washer as the single greatest labor-saving device in a dental office, concluding that, "when [a washer is] used in combination with cassettes, approximately one hour of labor can be saved for every nine procedural set-ups that are processed through sterilization."*

Delivering consistent, validated cleaning results

Consistent repeatable cycles are a key advantage to using automated washers because this offers the user control. It ensures every set of instruments receives the same validated cleaning process, and cycle data is recorded to provide accurately detailed and consistent documentation that establishes an accountability baseline for instrument cleaning.

* Tholen, Mark, 10 Ideas to Increase Production and Decrease Expenses in Sterilization. (www.dentaleconomics.com/articles/print/volume-99/issue-10/features/increase-production-and-decrease-expenses-in-sterilization.html)

How automated washers in dental practices improve the sterilization process

The use of automated instrument washers is growing worldwide as regulatory authorities and dentists endorse and adopt what has come to be understood as the most effective and consistent means of cleaning instruments before sterilization.

Cleaning is the important first step in the sterilization chain.

HYDR*IM* meets the Internet

The HYDR*IM* G4 is equipped with a web interface that enables online access and offers a platform with endless possibilities.

A high-resolution, 65K color touch screen offers a vivid display of messages, current cycle information and customizable colors all with extraordinary clarity. Fully adjustable contrast levels let you optimize the screen to the lighting in your steri-center, and it's 2.5-inch by 3-inch dimensions allow easy viewing of cycle information.

CONNECT

The HYDR*IM* G4 is capable of communicating directly with service personnel or anyone you choose. Should the HYDR*IM* G4 ever need attention, diagnostic information can be sent via email to pre-selected dealer service reps, significantly reducing down time.

PROTECT

Patient safety relies on attention to detail. The HYDR*IM* G4 supports verifiable processes that are PIN protected with user-defined IDs so that staff members can be required to authorize a cycle. This encourages extra attention to process and creates a safer environment for both staff and patient.

COLLECT

With each cycle, information must be stored to protect your office and your patients. The integrated data logger stores all cycle information for the lifetime of the unit. A USB port allows for the manual retrieval of cycle history. The 10/100 Base-T Ethernet connection puts your PC in direct contact with your HYDR*IM* G4 and the RS232 serial printer port allows you to connect with an external printer.

HYDR*IM* C61w G4
instrument washer

BENEFITS

- Large chamber volume – Six full sized IMS cassette capacity, 120 instruments in 35 minutes start-to-dry

- Countertop or under the counter, steri-center installation

- G4 web portal includes data storage, service logs and remote access capabilities

- Validated cycles to ensure repeatable washing performance

- HIP cleaning solution is stored in the unit, so no extra storage space requirements

- Improved serviceability, reliability and minimal maintenance requirements

- Vivid color touch screen

- Robust stainless steel exterior

- USB port for data storage

- Active hot air drying

SPECIFICATIONS

Size:

Dimensions: (w x h x d)	598 x 520 x 526mm (23.5" x 20.5" x 20.7")
Depth with door open:	82.9 cm / 32.6"
Weight:	44 kg / 97 lbs

Cycle Times*

Rinse and Hold	5 mins
Regular Wash + Dry	26 mins. + 10 mins.
Heavy Duty Wash + Dry	30 mins. + 10 mins.

Water Consumption Per Cycle:

Rinse and Hold	7.6 litres / 1.7 gallons
Regular Wash	11.5 litres / 3 gallons
Heavy Duty Wash	11.5 litres / 3 gallons

Electrical Connection

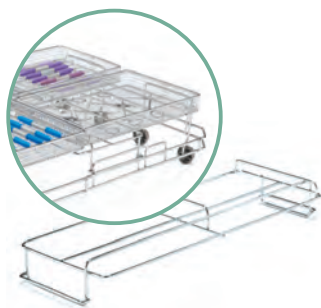|	
Electrical Rating:	208-240V, 12A, 60 Hz
Running noise:	< 65 dB

Water and Drain Connections

Hot and Cold Water Tap Connection	3/4" Garden hose, male
Recommended Hot Water Temperature	60°C / 140°F
Cold Water Temperature	< 30°C / 86°F
Inlet Water Pressure	1 - 10 bar / 14.5 - 145 psi
Drain	2 cm / 3/4"

* Actual cycle times are dependant on several variables including incoming water temperature and/or pressure, electrical supply and in-line water filtration systems
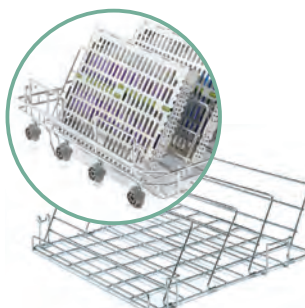
Manufactured in Canada 🍁

ACCESSORIES

Two basket rack
p/n 01-113257
16" x 6"x 16"
(407 x 154 x 37mm)

Six cassette rack
p/n 01-113251
16 x 15 x 5"
(424 x 390 x 137mm)

Four double stacked cassette
p/n 01-113252
16 x 15 x 5"
(424 x 390 x 137mm)

Three cassette, two basket rack
p/n 01-113253
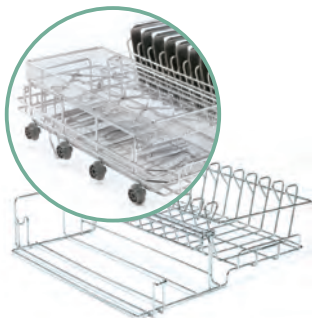16" x 15" x 5"
(424 x 390 x 137mm)

p/n C61W-D01

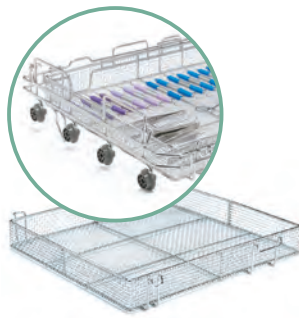## CYCLES

P1 Rinse&Hold

P2 Regular

P3 Heavy Duty

Ten tray two basket rack
p/n 01-113254
16" x 15" x 5"
(424 x 390 x 137mm)

Hygiene basket
p/n 01-113546
8.5" x 7" x 1.5"
(217 x 177 35mm)

Large basket
p/n 01-113545
8.5 x 7" x 2"
(217 x 172 x 54mm)

Basket with hinged lid
p/n 01-113547
8.5" x 7" x 2"
(217 x 172 x 54 mm)

HIP ULTRA
cleaning solution
p/n CS-HIPC-U
(8 X 750ML)

HYDR*IM* L110w G4
instrument washer

BENEFITS

- HYDR*IM* L110w can process 2,500 instruments in a 10-hour day

- Under counter steri-center installation, but can also be a freestanding unit

- G4 web portal interface includes data storage, service logs and remote access capabilities

- Validated cycles to ensure repeatable washing performance

- Ten 8" x 11" IMS cassette capacity

- HIP Cleaning solution is stored in the unit, so no extra storage space requirements

- Vivid color touch screen

- USB port for data storage

- Robust stainless steel exterior

- Includes pump for liquid detergent

- Web based documentation software included – no installation required

- Active hot air drying

SPECIFICATIONS

Size:

Dimensions: (w x h x d)	600 x 850 x 600 mm (23.8" x 33.5" x 23.8")
Depth with door open:	1200 mm / 47"
Weight:	80 kg / 176 lbs.

Cycle Times*

Rinse and Hold	17 mins
Regular Wash + Dry	25 mins. + 10 mins.
Heavy Duty Wash + Dry	34 mins. + 10 mins.

Water Consumption Per Cycle:

Rinse and Hold	16 litres / 4.28 gallons
Regular Wash	24 litres / 6.34 gallons
Heavy Duty Wash	32 litres / 8.45 gallons

Electrical Connection

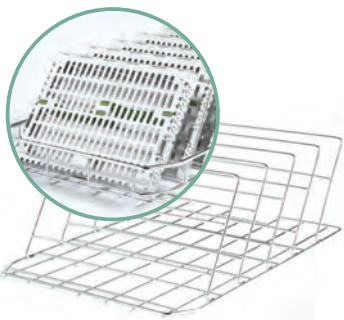|	
North America:	208 - 240V, 15A, 60Hz
Running noise:	< 60dB (wash)

Water and Drain Connections

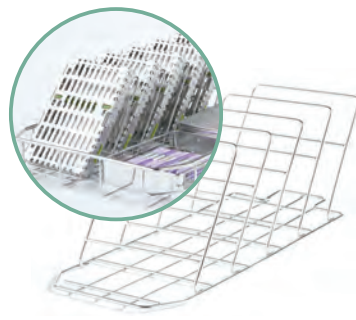|	
Hot and Cold Water Tap Connection	3/4" Garden hose, male
Recommended Hot Water Temperature	60°C / 140°F
Cold Water Temperature	< 30°C / 86°F
Inlet Water Pressure	1 - 10 bar / 14.5 - 145 psi
Drain	2 cm / 3/4"

* Actual cycle times are dependant on several variables including incoming water temperature and/or pressure, electrical supply and in-line water filtration systems
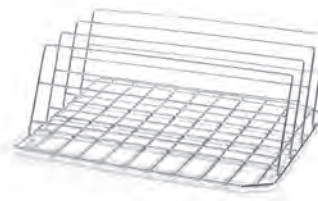
Manufactured in Canada 🍁

ACCESSORIES

5-Cassette Rack, Half Size
p/n 01-109964S
19" x 13" x 6"
(480 x 168 x 158 mm)

5-Cassette Rack, Half Size
p/n 01-109964S
19" x 7" x 6 "
(480 x 168 x 158 mm)

4 XL Cassette Rack, Full Size
p/n 01-109965S
19" x 13" x 6"
(480 x 355 x 158 mm)

HIP Cleaning
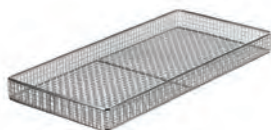Solution L110w
p/n CS-HIPL
(2 X 3.8L)

CYCLES

P1 Rinse&Hold
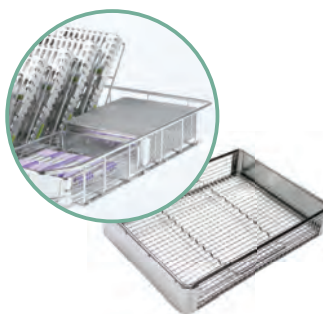
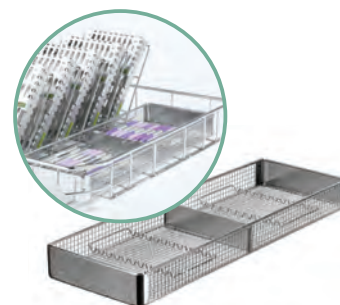**P2 Regular**

P3 Heavy Duty

p/n L110W-D01-G4

STAT*IM* 2000 Basket
p/n 01-107240
11" x 7" x 1.5"
(275 x 178 x 42mm)

STAT*IM* 5000 Basket
p/n 01-107241
13.5" x 7" x 1.5"
(373 x 178 x 42 mm)

Hygiene basket
p/n 01-109967S
8.5" x 7" x 1.5"
(217 x 177 35mm)

Long Basket
p/n 01-108232
18" x 6" x 1.5"
(442 x 150 x 42 mm)

STAT*IM*® 2000 G4
Cassette autoclave

STAT*IM*® 5000 G4
Cassette autoclave

BRAVO™
Vacuum chamber autoclave

OPT*IM*® 33TB
Surface cleaner and disinfectant

STAT*MATIC*™
Automatic handpiece
maintenance unit

ENSURE™
Biological & chemical indicators

AQUASTAT™
Water distiller

STATMAT
Silicone mat for STAT*IM* autoclaves

VISTABRITE™
Water treatment system

MERCOFRAMES OPTICAL CORP

5555 Nw 74 Ave. Miami, Fl 33166   305-882-0120

www.mercoframes.com   sales@mercoframes.net

SciCan | Your Infection Control Specialist™