



The Hydrim M2 washer disinfector.  
Perfectly prepares large volumes of instruments for sterilisation.

Safer for your staff,  
kinder to your instruments.



**SciCan**  
A HIGHER STANDARD

# If it isn't clean? It can't be sterilised!



Authorities now recommend that dental instruments must first be processed in a mechanical washer or washer-disinfector prior to sterilisation. Across Europe, standards and guidelines (EN15883 / RKI / BDA Advice Sheet A12) reflect this advice.

Effective sterilisation begins with the Hydrim M2 washer disinfector which automatically washes, rinses, disinfects and dries dental instruments, simply by pressing a button on the keypad.

The Hydrim process begins with a powerful pre-wash cycle. Then three high-pressure sprays clean the instrument load from above and below removing virtually all organic debris. Cleaning solution is dispensed automatically and clean water is used with every new cycle.

The Hydrim M2 has been designed in accordance with the relevant sections of EN15883, the new European standard for washer disinfectors and the UK guidelines HTM2030.

The Hydrim M2 washer-disinfector is distributed by SciCan Ltd, the creators of Statim Cassette Autoclaves, and is the result of years of expertise and experience in decontamination and sterilisation processes. The Hydrim M2 is manufactured in Germany by BHT Hygienetechnik to the highest standards.



## Safer for your staff

Integrating mechanical washing into the practice decontamination protocol provides a high level of safety, particularly against the risk of skin puncture injuries which occur during the hand washing, rinsing and patting dry of contaminated instruments. Hydrim eliminates the soaking, scrubbing and rinsing associated with traditional pre-sterilisation processes. Disinfection at 90°C for five minutes following the washing phase renders the instruments safe to handle.

The chemicals in ultrasonic baths are typically changed once per day. Microbial load builds throughout the day and instruments are often cleaned for variable periods of time. In contrast, mechanical washing in the Hydrim is more efficient than an ultrasonic bath because Hydrim is consistent, more powerful and uses only single-use water and detergent chemicals.

## Kinder to your instruments



Hydrim Cleaning Solution with instrument protection (HIP) has been formulated to achieve excellent cleaning results while assuring exceptional compatibility with a wide range of metals and coatings used in dental instruments. Your valuable instruments will be protected better and for longer by the HIP formulation.

SciCan's patented HIP cleaning solution, combined with Hydrim's specially designed wash programme, provides a superior washing system which perfectly prepares your instruments for sterilisation with a Statim or other sterilising process.

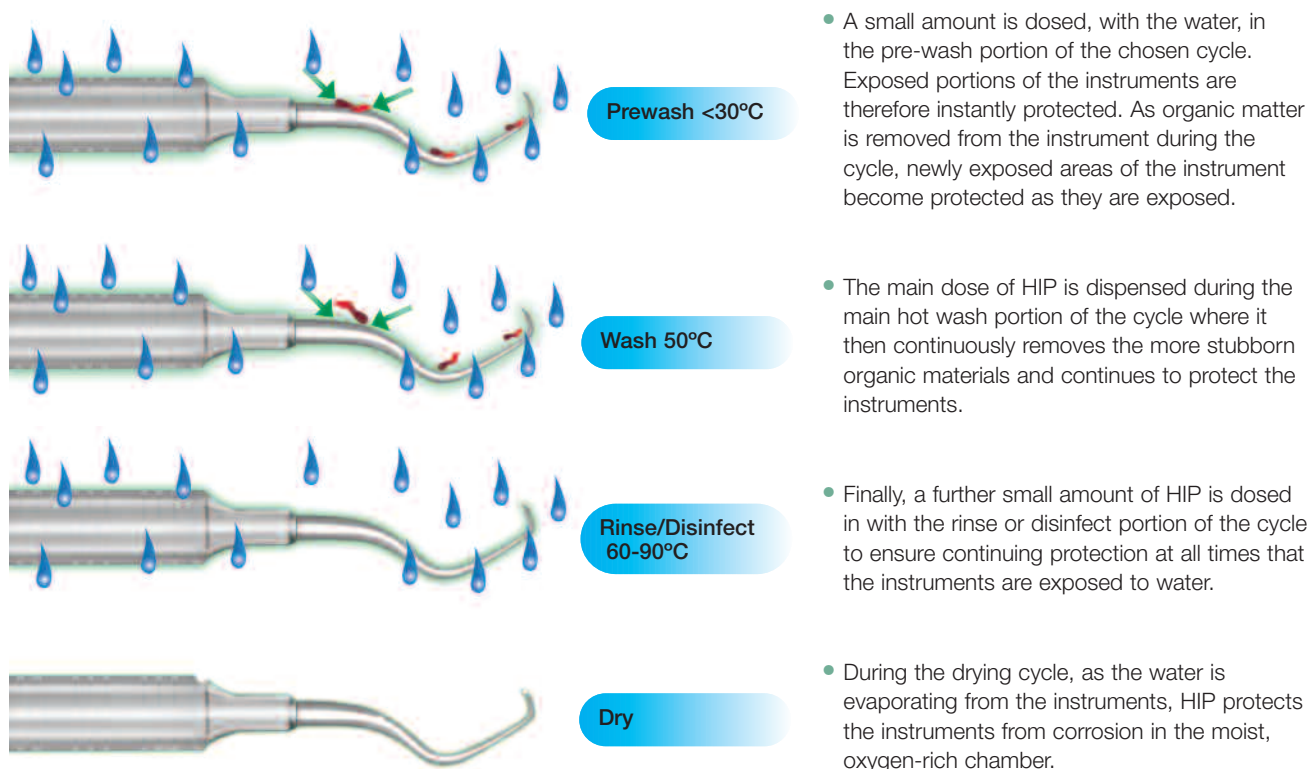


# How HIP works to protect your Instruments

To ensure the effectiveness of cleaning and protection of the instrument during processing, all non-organic materials with setting properties should be removed at chairside while still in their 'wet' state. Materials such as composites, cements and similar materials cannot be removed by mechanical washing, or ultrasonic cleaning once they have set.

HIP has been carefully formulated to provide outstanding compatibility with a wide range of materials and coatings. However, some manufacturers' instruments may not be compatible. After prolonged use in Hydrim, anodised (ethoxylated) aluminium will show cosmetic changes.

To be effective, HIP relies on constant contact with the instrument during all the washing and rinsing phases. During processing, therefore, it is automatically added to the various stages of the process as follows:



## Liquid chemical dosing system

The HIP solution is kinder to your instruments and to the Hydrim unit itself, as the liquid detergent rapidly and fully disperses, unlike powder detergent which can form clumps and compromise the efficiency of the washing process.

HIP is very accurately dosed by a peristaltic pump. The amount of chemical and the temperature at which it is dosed are controlled by advanced software.

A sensor ensures that there is sufficient chemical to complete the cycle. If there is insufficient chemical, the Hydrim will not start.

## Built-in dryer

Drying of instruments after cleaning, and before wrapping, is recommended by major instrument manufacturers to prevent corrosion. The Hydrim M2 has an active drying system that circulates warm air throughout the chamber following the disinfection cycle. A built-in dryer with Hepa filter ensures that instruments are dried with air free of contaminants. Since instruments are already warm due to the elevated temperature during disinfection, they dry in less than 30 minutes. The drying time can be extended or reduced if desired.



The drying cycle of the Hydrim eliminates the need for practice staff to pat instruments dry, as they would usually do following manual scrubbing or processing in an ultrasonic cleaner. This further reduces the risk of staff injury, and saves valuable time.

## Water efficiency

The low water consumption of the Hydrim M2, only 36 litres per cycle, makes the Hydrim M2 one of the most energy efficient units on the market.

## Record keeping

A choice of datalogger or printer is available to keep full process records to meet the documentation needs of the practice.

### Datalogger

A datalogger, designed for use with the Hydrim M2, is available as an optional accessory. It connects into an RS232 9 pin port and automatically captures the parameters of the cleaning and disinfection cycles within a text file on a USB stick. Afterwards these files can be saved from the USB stick onto the mainframe computer in the practice.



### Printer

The RS232 9 pin port offers the user the option to connect the Hydrim M2 to a selection of standard printers.



## Independent monitoring

Complying with the requirements of EN15883, the Hydrim M2 offers independent monitoring of temperature, pump pressure and cleaning solution flow resulting in error codes when problems occur.

## Validation

The two standard cycles on the Hydrim M2 have been validated to ensure repeatable washing and disinfection performance.

## Flexible configurations

Whether instruments are placed in cassettes or trays, or processed loose in baskets, Hydrim can be easily configured to meet the practice requirements. As a guide the Hydrim M2 can process about 100 instrument sets in an 8 hour day.



# Hydrim M2 Cycles

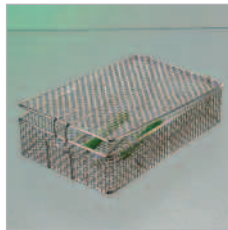
Cycle	P2	P3
Pre-wash	<30°C 3 min	<30°C 3 min
Wash	50°C 9 min	50°C 9 min
Disinfect	80°C 10 min	90°C 5 min
Dry	20 min	20 min
Total (w/o drying)	approx. 49 min	approx. 49 min
Water Consumption	36L	36L

\* Cycle times depend on the temperature and pressure of incoming water

## Accessories



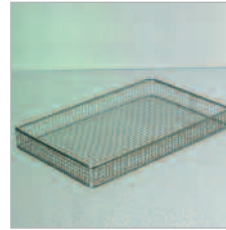
Hinged instrument rack  
15793.00  
192 x 100 x 109 mm



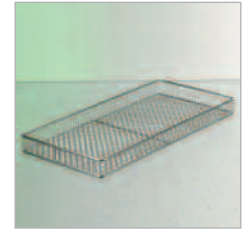
Basket with hinged lid, 1/4 size  
01-109966S  
159 x 216 x 54 mm



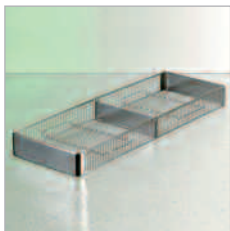
Hygiene basket, 1/4 size  
01-109967S  
159 x 216 x 44 mm



Statim 2000 basket  
01-107240  
275 x 178 x 32mm



Statim 5000 basket  
01-107241  
373 x 178 x 32mm



Long basket  
01-108232  
442 x 150 x 42 mm



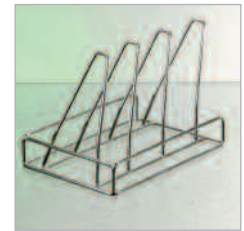
Cleaning Solution Bottle  
CS-HIPL  
Case of 2 x 3.8 L



5-cassette rack, full size  
01-109963S  
480 x 355 x 158 mm



5-cassette rack, half-size  
01-109964S  
480 x 168 x 158 mm



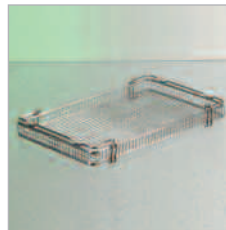
Rack for 3 cassettes  
15470.01



Insert for trays  
01-110412S



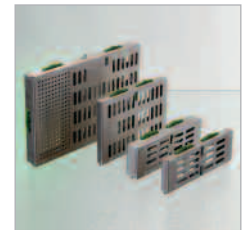
Rack for vertical instruments  
01-110411S



Medical basket with handles, B  
01-108262S



Medical basket with handles, C  
01-108263S



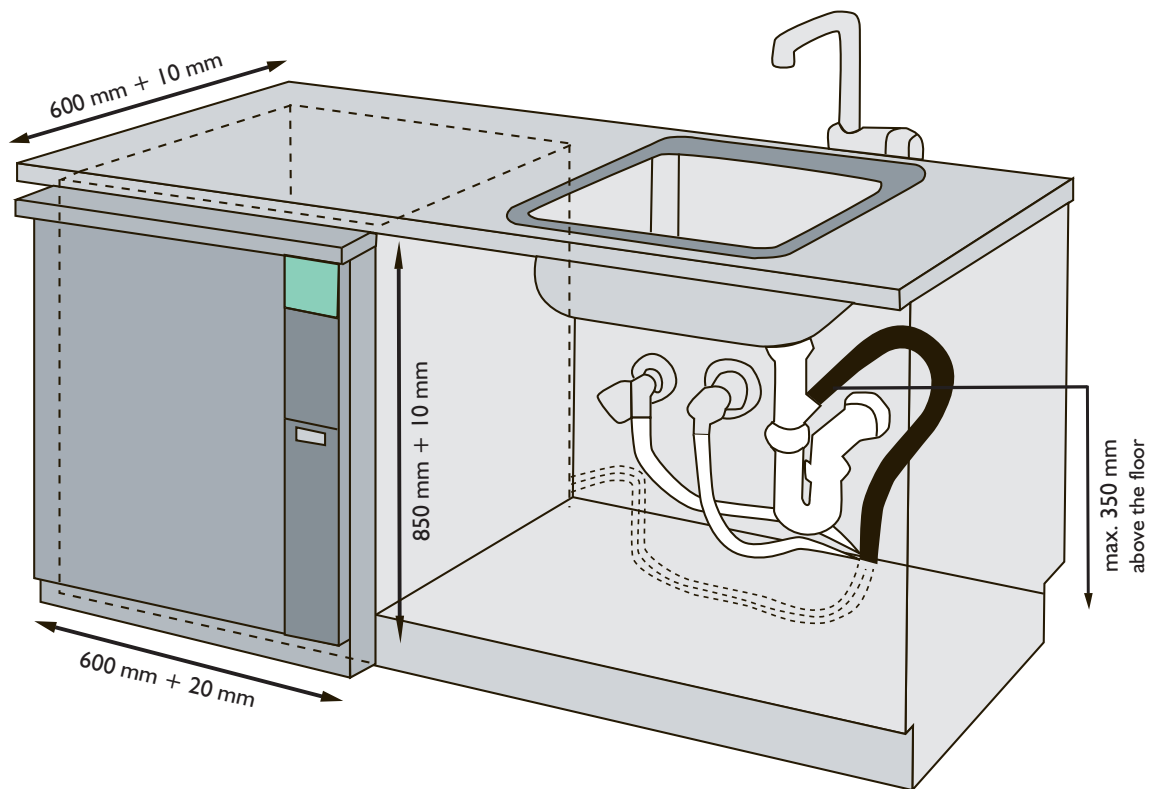
SYS-TM Instrument Cassettes  
SYS-TM1 – 178 x 64 x 13 mm  
SYS-TM2 – 178 x 64 x 25 mm  
SYS-TM3 – 178 x 114 x 13 mm  
SYS-TM4B – 267 x 165 x 25 mm

# Easy to install

The compact Hydrim M2 should be installed under the counter. It requires standard utilities – 220-240V, 50Hz outlet, hot and cold water inlets (standard configuration) and a drain.

The unit is supplied with one hot water and one cold water hose which are 1.9 m long with 2 cm /  $\frac{3}{4}$ " female fittings. The drain tube provided with the unit is 1.5 m long with an inner diameter of 2 cm /  $\frac{3}{4}$ ".

In case extension is needed, please note that the drain tube should not exceed 3.3 m.



## Optional installation

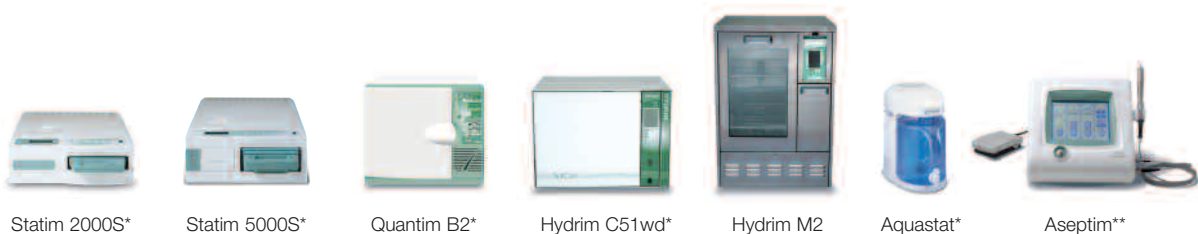
The M2 can alternatively be installed using cold water and a reverse osmosis (RO) system.

## Water hardness

In areas of hard water of over 15dh° it is recommended to install an in-house water softener to provide water to the Hydrim M2.

Hydrim Technical Specifications	M2
Overall product width	600 mm
Overall product height	850 mm
Overall product length	600 mm
Length with door open	1200 mm
Unpacked weight	85kg (max)
Water softener	Standard
Running noise	60dB (A)
Drying system	Blower
Hot and cold water connections	G 3/4" / NPT
Drain	3/4" / DN 20
Inlet water pressure	2 - 5 bar
Electrical connections	220-240V, 50Hz, 16 amp
Independent second temperature sensor	Standard
Independent monitoring of chemical dosing	Standard
Independent monitoring of circulation pump	Standard
RS 232 data port	Standard
Test port	Standard

The right is reserved to change the specifications and prices of the models and items illustrated and described in this brochure at any time.



Statis turbines and handpieces

## The SciCan range of products

- Statim® 2000S cassette autoclave • Statim 5000S cassette autoclave
- Quantim™ B2 vacuum autoclave • Hydrim® C51wd washer disinfector • Hydrim M2 washer disinfector
- Aquastat™ water distillation unit • Aseptim™ unit • Statis™ turbines and handpieces

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\* CE0123  
 \*\* CE1275

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