

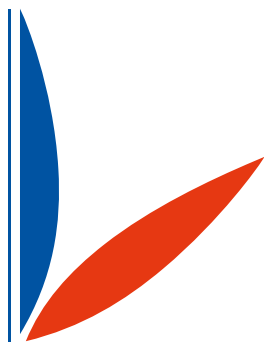
# Products

Holland Green Science



Like the scientist,  
we understand the need for  
accurate, safe and forward-thinking  
technology

Holland  
Green  
Science



Holland Green Science is a global  
player with worldwide expertise in  
botanical extraction.

# Products

Holland Green Science

## Xiros Mikro Freeze Dryer



This small freeze dryer has a large capacity for product, allowing you to speed up your processing times without taking up too much space in the lab. It has up to 9 shelves, an 8 kg capacity for ice and 4 kg sublimation in 24 hours.

### Specifications:

- 5, 7 up to to 9 shelves (to your preference)
- Ice Condenser Volume = 11 Liter
- Ice Condenser Capacity = 8kg
- Ice Condenser Performance = 4kg in 24h

- Ice condenser Temperature -40 °C
- Minimum Shelf Temperature for Freezing -35 °C
- Maximum Shelf Temperature for Drying +60 °C
- Shelf Temperature Accuracy +/- 3 °C
- Typical Product Capacity = 9.6 kg at 80% moisture content
- Ultimate Vacuum  $2.5 \times 10^{-2}$  mbar
- Maximum Vacuum Pump Current: 3A
- Refrigerant R290
- Noise Level (without vacuum pump): 54 dB(A)

### Anemos Dry Scroll Vacuum pump

This is the latest design in oil-free vacuum pump technology.

The Anemos vacuum pump provides oil and hydrocarbon free vacuum to prevent contamination of your product or vacuum system.

At 12 m<sup>3</sup>/h pumping speed and 0.008 mbar ultimate vacuum, the Anemos is a great replacement for all rotary vane pumps and can be widely used in multiple applications including freeze drying and short path distillation.





### Moister analyzers

The Holland Green Science 'Ygrasia' moisture analyzer provides reliable, fast, and accurate measurement of trace levels of moisture content within your samples. The moisture analyzer uses the Loss On Drying (LOD) method to measure moisture.

The moisture analyzer first weighs a sample and then heats it until dry and weighs it a second time when dry.



### Cart Fillers

The Holland Green Science Magma cart fillers feature a patented heating rod design for easier and more accurate dispensing.

In as little as 3 minutes, heat up your product to a set temperature and maintain a constant temperature effectively.



### Freezers

The Holland Green Science Boreas series low temperature freezers are used for general low temperature freezing or frozen storage applications (-25° to -86°). They have passed a complete life testing to ensure safety and reliability for long-term operation in critical storage applications



### High Capacity Vacuum Ovens

The Holland Green Science 'Hephaestus V' vacuum ovens are designed for drying and vacuum purging materials which are thermosensitive, oxidative or are easily decomposable. To further reduce oxidation e.g. to protect your product inside you can purge or vent the oven with inert gas to displace any oxygen present.

# Products

Holland Green Science

## Thermotita Water Baths

The Holland Green Science Thermotita is a perfect water bath to keep a certain temperature, or to regulate the temperature for all your tests and or test samples.



## Rotary Evaporators

The Holland Green Science Rotary Evaporators are highly efficient and easy to use. The bath temperature of up to 180°C covers all common solvents and even allows for in-evaporator decarboxylation if required. All Holland Green Science Rotary Evaporators are made to safely utilize Distilled Water or Oil in the bath. This allows you to process safely at higher temperatures.



## Chillers

The Holland Green Science Aquilon recirculating chiller features PID temperature controllers to provide accurate and reliable temperature control. Designed for continuous and reliable operation. Choose from cooling capacities of 800W, 1300W and 1600W to shorten process times and boost solvent recovery rates.



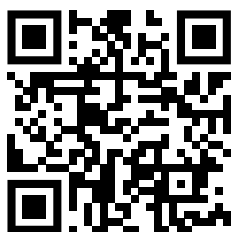
## Convection Ovens

The Holland Green Science Hephaestus convection oven is designed for drying, melting, and purging materials which are thermosensitive, oxidative or easily decomposable. Also referred to as a decarboxylation oven. To further reduce oxidation e.g. to protect your product inside you can purge or vent the oven with inert gas to displace any oxygen present.



For more information please contact us:

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Visit our website

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