

SterilSmart™

The smart solution for sterilisation

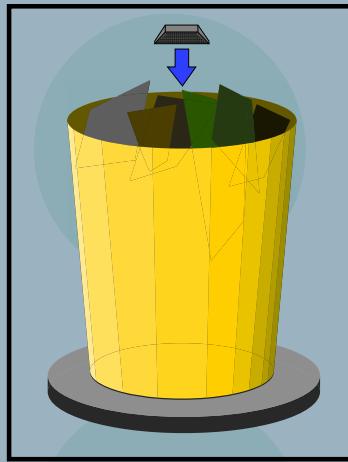
Microwave technology has been proven to be highly effective against Coronaviruses such as Covid-19

SterilSmart is a safe, efficient & robust option for sterilisation in medical, veterinary and laboratory environments. Using the SterilSmart is a fast, safe and environmentally friendly way to render multiple waste streams non-hazardous.

How does SterilSmart work?

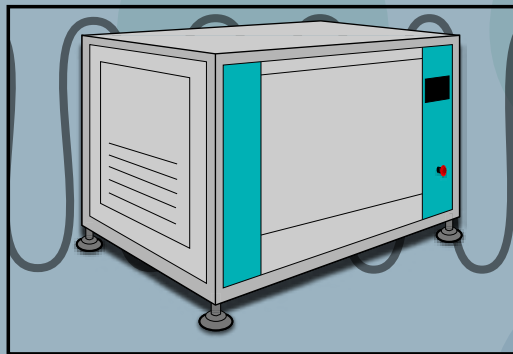
1

Waste is loaded into a specially designed Maser Bin, constructed of a material that does not interfere with the passage of the microwaves. A pre-set volume of 300ml of water is then sprayed onto the load from the unit's inbuilt tank in order to aid absorption and increase the efficiency of the dielectric heating.



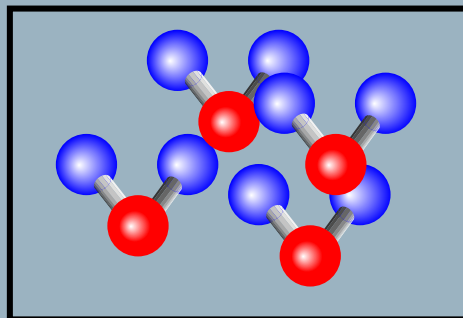
2

The Microwave generator converts energy into an electromagnetic wave that passes efficiently through the materials inside the SterilSmart, rendering them non hazardous.



3

The small size of the electromagnetic waves means heating happens at a molecular level, this allows the disruption of the cell structure due to the high sterilisation temperatures generated.



SterilSmart will reduce EWC codes 18 01 03 and 18 02 02 to 18 01 04 and 18 02 03.

Powered by domestic single-phase supply drawing 10A.

Uses 300ml of water per cycle.

All monitored through an interactive 10" touchscreen.



G&N

What waste can be sterilised in SterilSmart?

SterilSmart is ideal for most types of clinical and laboratory wastes.

Microbiology/Biotechnology Waste (cultures, infectious agents, pipettes, vials, flasks etc)

Soiled wastes (blood, body fluids, dressings, plaster casts, bedding, catheters, IVs etc)

Waste sharps* (Needles, slides, scalpels, syringes, clean or contaminated)

*Metal items must be run on dedicated cycle and fully submerged in water.

What are the Benefits?

Independence from fluctuating treatment and disposal costs

On site treatment rather than incineration reducing road transport.

Carbon reduction

Improved control of waste streams

Ability to sterilise other items

Available in 3 sizes



SterilSmart 150



SterilSmart 400



SterilSmart 500

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