

NEWSTER® STERILBOX

Disinfection System for Collection Bins



Detail of the rack and
germicidal lamps



NEWSTER® STERILBOX

Disinfection system for collection bins

Technical Specifications

Overall size	72 x 78 x 170 cm
Tub size	55 x 61 cm
Door aperture	65cm
Power supply	400V/ 50Hz/ 3NpH
Maximum power used	7.4 kW
Theoretical productivity	30/ 15/ 10 tubs/hour
Cycle duration	2' - 4' - 8' minutes
Water consumption per cycle	4 litres
Washing tub capacity	37 litres
Ultraviolet lamp power	22 Watt

The above specifications are for information purposes only as our products are continually updated and changes may be made to the specifications at any time and without prior notice

NEWSTER® STERILBOX is a machine used to wash and sanitize hospital waste containers made in special plastic materials. This industrial front-loading bin washer is fitted with four 22 W ultraviolet lamps in the washing chamber. It has a 55x61 cm stainless steel tub, with a door aperture of 65 cm.

The ultraviolet lamps have a microbiocidal action and sterilize the surfaces, liquids and air inside the washing chamber. The bactericidal activity of the ultraviolet radiation inactivates the DNA and RNA nucleic acids of cells, acting on the pyrimidine bases (thymine, cytosine, uracil) to trigger the formation of atypical dimers that destabilize the hydrogen bond with the complementary bases and impede the normal replication processes of the nucleic acids.

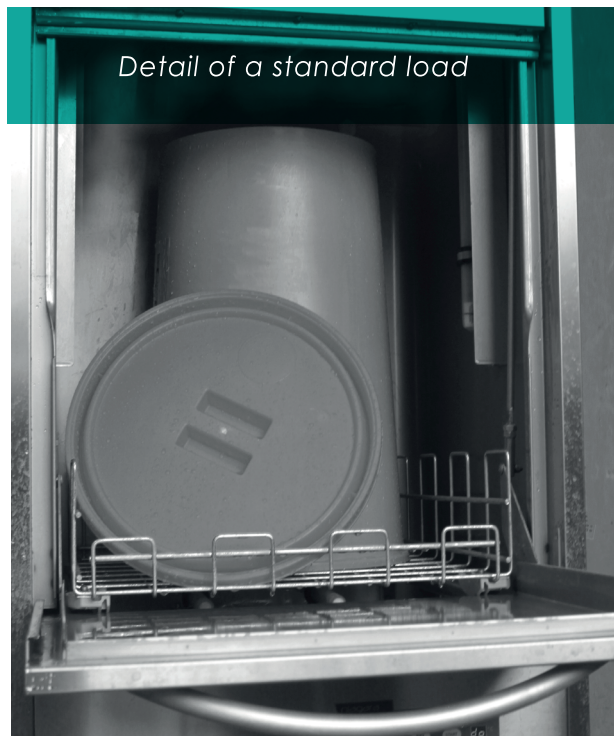
The position of the lamps ensures uniform irradiation in the entire

compartment, thereby guaranteeing the exposure of all container surfaces to the germicidal action of the ultraviolet lamps.

The lamps are switched on when the washing cycle starts, and are switched off automatically before the final rinsing cycle.

The machine is equipped with a safety switch that prevents the lamps from being switched on until the sliding door has been fully closed, also automatically switching them off in case of malfunctions when the door is opened. This prevents all accidental exposure of operators to ultraviolet radiation during bin loading and unloading operations.

Detail of a standard load



Produced by Newster Group

Newster System S.r.l.
via Pascoli, 26/28
47852 Cerasolo, Coriano (RN), Italy
tel. +378 0549 960576

Newster Technologies S.r.l.
via dei Dativi, 35/37
47899 Serravalle, Republic of San Marino
fax: +378 0549 960585

market@newstergroup.com