

NEWSTER[®] NW15

Steriliser for Infectious
Healthcare Waste



Treated Waste Discharging



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Steriliser for infectious healthcare waste

Technical Specifications

Sterilisation method	Frictional heating (Unpressurized moist heat)
Processing potential	30/40 Kg/h' 340 lt/h
External aspect of treated waste	Homogeneous small- sized granules
Final volume of treated waste	20-25% of initial volume
Final weight of treated waste	70-75% of initial weight
Sterilisation vessel volume	Roughly 170 litres Ø=500 mm, H = 856 mm
Overall control system	Programmable logic controller (PLC)
Temperature measurement	By variable-resistance sensors
Cycle recording	Time-temperature flow recording
Final cooling	Roughly 95C° through H ² O evaporation

'Depending on the percentage of humidity and density

Dust abatement	In humid environment
Vessel lid closure	Manual, mechanical blocking and double safety device
Safety devices	Mechanical blocking system of sterilisation vessel lid; power supply to main engine is cut off in case of lid blocking failure. Low voltage command and control panel with automatic power cut-off if panels are open: electrical resistor heating system to be used in case of emergency stop
Rotating blades and fixed controblades	Made of special metal alloys
H ² O Consumption	Roughly 60 lt/h Roughly 50 lt/day with water recycling system (optional)
Water discharge	40 mm diameter sewer pipe equipped with a trap
Power consumption	Overall max 25 kW/h Average 18 kW/h
Size and weight	
Steriliser	100 x 200 x 160cm
Filter Group	Incorporated or separated
Electrical board	50 x 80 x 160cm
Total weight	1060 kg

Including Newster technology in the hospital setting, entails all the benefits of waste treatment on site.

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