sterilwave

Medical Waste.
Treated. On site.

Sterilwave 50

FOR

HOSPITALS
CLINICS
LABORATORIES

10 kg/h | 100 L/h



Sterilwave 50 combines rotative blades shredding and microwave technology in one single vessel to treat infectious healthcare waste on site.

Compact. No transport. No pressure.
No liquid effluent. No incineration.

sterilwave.com

30 min	Up to $6^{\log 10}$	Up to 85 %	Up to 25 %
AUTOMATIC CYCLE	MICROBIAL INACTIVATION	VOLUME REDUCTION	WEIGHT REDUCTION

THE PROCESS

30 minutes.
1 single vessel.

20° C

LOAD
Infectious waste

SHRED
with rotating blades

TREAT
with microwaves

DISCHARGE
safe waste

From infectious
to municipal waste.

110° C

BEFORE



AFTER



Sterilwave 50

10 kg/h 100 L/h

Based on 0.1 kg/L. May vary with waste type.
Excludes handling between cycles.

Treatment chamber volume	50 L
Typical cycle time	30 minutes
Dimensions, main unit (L × W × H)	1.35 × 1.1 × 1.1 m
Approximate weight	550 kg
Power supply	220V/ 1-Phase/ 50 A
Average power consumption per cycle	~2.5 kWh
Recommended floor surface	7 m²
Recommended ceiling height	2 m
Loading method	Manual
Electronic weighing	Option
Technology	Shredding by rotative blades and heating by microwaves
Volume reduction	Up to 85%
Weight reduction	Up to 25%
Final waste	Unrecognisable, inert, dry and stable



THE STERILWAVE RANGE



10 kg/h	20 kg/h	50 kg/h	88 kg/h	150 kg/h
Sterilwave 50	Sterilwave 100	Sterilwave 250	Sterilwave 440	Sterilwave 900

Non-contractual document and pictures. Specifications subject to change without notice. Sterilwave 2026