

# Tesalys

Making biomedical waste safe

ADVANCED BIOMEDICAL WASTE TREATMENT SOLUTIONS



## STERIPLUS™ 40

**INTEGRATED SYSTEM WITH PRELIMINARY SHREDDING AND STEAM STERILIZATION OF YOUR BIOHAZARDOUS WASTE**

The **STERIPLUS™** systems from **Tesalys** are the ideal solution to inactivate your biohazardous waste safely on-site. Its integrated shredding system **TESASHRED™** not only reduces the volume and mass of waste, but also ensures waste is fully processed.

Tesalys  
Making biomedical waste safe

INNOVATION  
MADE IN  
FRANCE

  
DUTSCHER GROUP

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# STERIPLUS™ 40

integrated system with preliminary shredding and steam sterilization of your biohazardous waste



## UTILITIES

### WATER

**REQUIREMENTS** Softened or drinking quality water  
**CONSUMPTION** Approx. 10 liters/cycle

### ELECTRICITY

**REQUIREMENTS** 380-400 V III N, 50Hz/60Hz, 10 kW  
**CONSUMPTION** 4 to 5 kWh/cycle

### DRAIN

32 mm Ø internal (heat-resistant)(1.2")

### STEAM/COMPRESSED AIR

Produced by the integrated steam generator and air compressor; no external connection required.

(1) 30-35min for test loads as per NF X30-503-1 standard.

(2) Cycle times may vary based on the type of materials, waste density, humidity, quantity of liquids, etc. For loads with high liquid content, cycle time can be longer. Up to 50min depending on the waste density.

(3) Based on an average cycle time of 45min. (40 min. of cycle + 5 min. unloading/loading time).

(4) Quantity of liquids allowed might vary depending on application (urine bags, blood bags, food testing bags, ...).

All the data given in this catalog are non-binding and given as a guide only. Treatment capacities and cycle times are given as mere examples and may vary depending on the type of waste, installation conditions, operator's availability and skills.

<b>LOADING CHAMBER CAPACITY</b>	40 L
<b>LOADING CHAMBER USEFUL DIMENSIONS (W x D x H)</b>	320 x 247 x 520 mm
<b>LOADING CAPACITY (CONTAINERS)</b>	1 x TESABOX 40 or 2 x TESABOX 20
<b>TOTAL CYCLE TIME (NF X30-503-1 STANDARD) (1)</b>	30 to 35 min
<b>TOTAL CYCLE TIME IN WORKING CONDITIONS (2)</b>	30 to 50 min
<b>LOADING CAPACITY (KG/CYCLE)</b>	Based on an average waste density of 0,08 to 0,12kg/L for Healthcare Waste
	<b>3,2</b> to 4,8 kg/cycle
	Based on an average waste density of 0,12 to 0,2kg/L for Lab/Humid/Liquid Waste
<b>TREATMENT CAPACITY (KG / H) (3)</b>	4,8 to <b>8</b> kg/cycle
	Based on an average waste density of 0,08 to 0,12kg/L for Healthcare Waste
	<b>4</b> to 6 kg/h
<b>MAX QUANTITY OF LIQUID RECOMMENDED PER CYCLE (4)</b>	Based on an average waste density of 0,12 to 0,2kg/L for Lab/Humid/Liquid Waste
	6 to <b>10</b> kg/h
<b>EXTERNAL DIMENSIONS (W x D x H)</b>	1300 x 895 x 1450 mm
<b>NET WEIGHT</b>	580 kg
<b>LOADING CHAMBER</b>	Stainless steel with PTFE coating
<b>TREATMENT CHAMBER</b>	AISI 304L stainless steel
<b>STEAM GENERATOR</b>	AISI 304L stainless steel (chamber) & Highly corrosion-resistant Hastelloy®
<b>WATER SOFTENER</b>	Built-in
<b>WATER BOOSTER PUMP AND AIR COMPRESSOR</b>	Built-in
<b>WASTE SHREDDER</b>	Structure: AISI 304L stainless steel & Blades: High-strength steel
<b>PIPING</b>	Stainless steel/PTFE flexible hosing
<b>CHASSIS</b>	Painted steel
<b>BODYWORK</b>	Composite material/Painted steel
<b>CYCLE TRACEABILITY</b> Through printout	Built-in
<b>USB PORT</b>	Built-in

## A complete range for biohazardous waste treatment



**STERIPLUS™ 20**  
2/5 kg/h



**STERIPLUS™ 40**  
4/10 kg/h



**STERIPLUS™ 80**  
8/20 kg/h



**TESABAG**  
Autoclavable  
biohazardous waste bags



**TESABOX**  
Cardboard containers  
for biohazardous waste