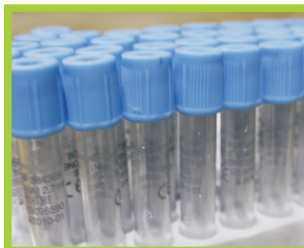


85% WASTE
REDUCTION
MINIMUM €/KG
TREATMENT COST

STERIFLASH 30[®]

The biomedical waste management solution



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STERIFLASH 30®

Steriflash® is a device that treats potentially infectious biomedical waste and transforms it into ordinary waste which can be stored and treated in rubbish dumps. Robust and reliable, easy and quick to setup, this waste treatment process can now be set close to the production place, avoiding transport risks and dangers.

Functioning principle:

Waste, deposited in the hopper, is mechanically shredded and then falls into the treatment tank. Once the tank is full, a processing cycle is started. After closing the upper door, a vacuum phase empties the air. Then, the injection of saturating wet steam, supplied by an external steam generator installed in the apparatus, occurs automatically. The nominal parameters of the cycle are:

- Temperature: 135°C/275°F;
- Pressure: 3.3 Bar.
- Time: 20 minutes.

All these parameters can be changed upon requirements.

At the end of the cycle, operator opens the door and processed waste, already sterilized, is removed from the machine without operator's physical contact with the waste.. The liquids are drained off via the waste water network.

Process monitoring and control:

An operating touch-screen displays temperature and pressure values inside the treatment tank during the cycle.

An automatic control is managed by a programmable controller able to store data on a memory card (*optional).

Traceability:

Cycle traceability is guaranteed by:

- Printed record: paper print on which the machine number, the cycle number and the date, temperature and pressure sampled are indicated, registering that the disinfecting cycle has been carried out successfully
- Machine memory storage, accessible via USB, (*optional)

Safety:

Infection risk safety:

- The gaseous discharges are filtered (0.2µ microbiological filtering), condensed and treated by bubbling.
- The liquids are decontaminated and cooled.
- The shredder, installed in the process tank, is decontaminated at each cycle.
- Programmable daily cleaning cycle, waste free, for efficient decontamination process.

Machine safety:

- Lid opening forbids the starting of the shredder due to a safety relay of category PL C according to ISO EN 13849.
- The electrical components are separated from the rest of the machine with a waterproof wall.
- Machines individually tested and certified ex factory.
- CE marking

Capacity:

- Volume of waste deposit hopper: 30 l
- Useful volume of disinfection tank: 30 l
- Pressure and temperature of the steam in generator: 6 Bar –160°C/320°F.

Processing performance:

- 30 liters of waste are fully automatically processed each cycle in a single load.
- Approximated shredding time (depending of types of waste) for 30 liters: 5-10 minutes.

Materials:

- Disinfection tank and generator: 304L stainless steel
- Frame: Carbon steel painted
- Shredder teeth: HARDOX carbon steel
- Bodywork: 304L stainless steel.

TECHNICAL CHARACTERISTICS

Dimensions:

- Total height: 1.17 m
- Width: 0.80 m
- Length: 0.75 m

Weight:

- 350 kg

Weight/m²:

- 585 kg/m²

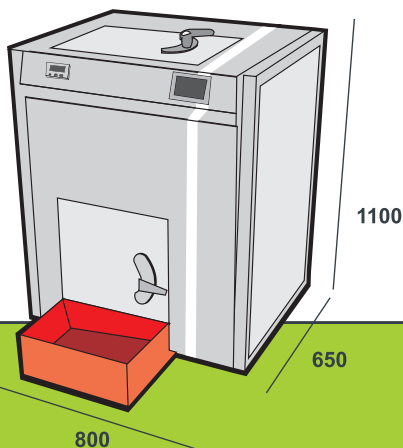
Installation configuration:

- Electricity, power supply configurations available:
 - 220 Vac, 50/60Hz 25 A
- Water:
 - Municipal, pressure: 4.5 Bar
 - In case of hard water a softener is required.
 - Drainage: Ø 32 mm / Ø 0.13 " minimum.

→ **Steriflash® accepts a large range of biomedical waste packaging.**

OPTIONS

- Machine memory storage, reachable via USB.
- 380V, 50/60Hz 15A.



Types of Waste

- | | |
|--|---------------------------|
| ·Syringes and needles | ·Cloths and other fabrics |
| ·Scalpels and other metallic instruments | ·Nonwoven wipes |
| ·Petri plates and test tubes | ·Paper waste |
| ·Plastic containers | ·Organic material |
| ·Dialysis filters | ·Glass |
| ·Blood lines | ·Other biomedical waste |

Uses And Applications

- | | |
|--------------------------------------|----------------------------|
| - Hospitals | - Oncology centers |
| - Clinics | - Scientific laboratories |
| - Ambulatories | - Veterinary centers |
| - Geriatric residences | - Fire Stations |
| - Analysis laboratories | - Schools and Universities |
| - Microbiology hospital laboratories | - Waste treatment centers |
| - Dialysis centers | - Penitentiaries |
| - Field hospitals | - Cruise Ships |



COMTEM

C/ Ibi, 2
Poligono Industrial Algars
03820 Cocentaina (Alicante)
Spain

T: +34 965 590 315
F: +34 965 330 328
E: info@comtem.net