

Specialised Plants **sinTion** Microbiological Material Treatment Device



sinTion: Simple Setup, Easy Operation, Safe Results

The effective and safe solution for the disinfection and sterilisation of infectious medical waste from hospitals, clinics and labs.

Features

- Highly efficient disinfection/sterilisation by combination of microwaves and saturated steam
- No chemical additives
- No pre-shredding of waste required
- Pre-vacuum phase
- Vacuum drying
- High throughput (up to 210 litres of waste per hour)
- Automatic printout for documentation

Safety measures

- Easy and safe operation via modern PLC and operation display
- Error detection and automatic switch-off

Certifications

- Robert Koch Institute (RKI), Berlin
- Austrian Society for Hygiene, Microbiology and Preventive Medicine (ÖGHMP)

Technical data

Unit dimensions

Depth:	1200 mm
Width:	860 mm
Height:	1320 mm
Weight:	520 kg

Disinfection chamber dimensions	
Height:	650 mm
Diameter:	450 mm
Volume:	103 litres

Facility

Ambient temperature:	10 °C to 30 °C

Additional equipment

The remote maintenance option requires a network connection

Connection requirements (power)

Maximum current:	25 A
Frequency:	50 Hz
Voltage:	3P + N + PE (400 V)
Maximum rate of power:	10 kW

The system is able to handle a power supply fluctuation of \pm 5 %. However at fluctuations the complete specification cannot be guaranteed.

Connection data (water)

Water consumption per batch	
(depends on program):	max. 30 l
Maximum rate of water:	5.5 l/min
Drinking water quality < 1° dH min 4 E bar (m	actured at a flow rate

Drinking water quality, < 1° dH, min. 4.5 bar (measured at a flow rate of 5.5 l/min), max. 10 bar static pressure, maximum temperature 20 °C. Water softener and booster pump available on request.

Functional data

Either disinfection or sterilisation:		121-134 °C
Effectiveness: STAAT		level III, IV; ABCD
Duration of cycle		
(depending on amount of waste):		20-30 min
Power consumption per cycle:		~ 2.5 kWh
Number of mw generators:		6





sinTion

by christof systems