Specialised Plants

sinTion
Microbiological Waste 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:	1120 mm
Width:	840 mm
Height:	1180 mm
Weight:	430 kg

Disinfection chamber dimensions

Height:	650 mm
Diameter:	450 mm
Volume:	103 litres

Facility

Ambient temperature:	10 °C to 40 °C

Connection requirements (power)

Power connection euro-power plug:	400 V, 50 (60*) Hz, 32 (A) (T)
Voltage:	3P + N + PE (400 V)
Maximum rate of power:	10 kW

The system is able to handle a power supply fluctuation of $\pm$ 10 %. However at fluctuations below - 5 % the complete specification cannot be guaranteed.

* On request

Connection requirements (water)

Water supply:	3/4"
Maximum temperature:	20 °C
Maximum rate of water:	5.5 l/min

Drinking water quality, < 1° German hardness, min. 4.5 bar dynamic pressure, max. 10 bar static pressure.
Water softener and booster pump available on request.

Connection requirements (waste water)

Maximum temperature:	135 °C
Drain connection:	1"

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

christof industries

Scan to see how it works.

Technical data subject to change without notice.