

Specialised Plants

shredTion

Microbiological Waste
Treatment Device



shredTion: Simple Operation, Easy Maintenance – Long Lifetime

An innovative and long-term solution for the efficient shredding of non-infectious medical waste.

Features

- Cost-saving volume reduction of disinfected medical waste
- Easy operation via modern PLC
- Automatically controlled waste intake ensures constant shredding which reduces wear on the equipment
- Low speed operation of 50 rotations/minute for high torque and less wear
- Screw conveyor with drain connection (stainless steel)

Equipment

- Large number of rotor knives for efficient shredding of waste material
- Screen made of high-quality special steel (determines size of shredded granulate – can be replaced easily if required)
- Easily replaceable rotor blades made of hard metal for long lifetime
- Large driving gear drive for quiet, low-vibration operation
- Hopper with lid and safety switch

Technical data

Dimensions without conveyor

Length:	1600 mm
Width:	990 mm
Height:	1970 mm

Dimensions with conveyor

Length:	1600 mm
Width:	2850 mm
Height:	1970 mm

Space required for entire installation 2 x 3 m.

Functional data

Input material:	medical waste
Screen size:	standard 25 mm
Throughput:	up to 150 kg per hour; suitable for 1-5 sinTion units



Device data

Hopper opening:	460 x 460 mm
Hopper capacity:	ca. 0.15 m ³
Working area:	460 x 350 mm
Rotor length:	460 mm
Rotor diameter:	308 mm
Rotor knives:	36, concave hard-metal, 4 sharp sides
Stator knives:	2, hardened special-steel, 2 sharp sides
Rotor driving power:	5.5 kW; 12.7 A
Power supply:	3 x 400 V/50 Hz ± 5 %
Power rating:	15.0 A
Pre-fuse:	20 A, slow-blow fuse
Weight:	approx. 1000 kg
Noise level:	approx. 79.00 dB (A)

Screw conveyor

Length:	2850 mm
Diameter:	120 mm
Gradient:	30°
Dropping height:	approx. 1250 mm
Geared motor:	0.37 kW; 3 x 400 V

Connection line, installed according to ÖVE/EN 60 204-1 item 15.1.

