

Medical Waste Treatment Device



Waste before shredding



Shredded waste

MicroShred

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

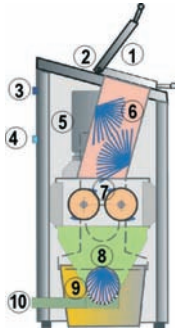
- Separation of the solid fraction and the liquid fraction of filled disposable systems
- Automatic discharging of the liquid phase into the sewer
- Shredded plastic fraction is discharged mechanically – industrial fuel
- Reduction of volume / weight up to 80 %
- Suitable for indoor use – compact and low-noise
- Easy installation and handling

Easy to Use – Time Saving – Cost Saving

*Christof
Group*

MicroShred

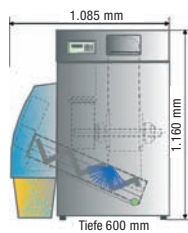
TECHNICAL DATA



Functional Diagram – Sectional View

1	Feed hole for material at an ergonomical height	6	Spray nozzles for flushing and cleaning
2	Integrated control panel (on the side)	7	Counter-rotating cutting rotors
3	Power connection (on the side)	8	Discharge unit for residual waste
4	Cold water connection	9	Collecting tank 25 litres with refuse sack
5	Geared motor for cutting tool	10	Sewer connection (on the side)

Dimensions



Width	1,085 mm (including 25 litre collecting tank)
Height	1,160 mm, MicroShred (incl. base)
Depth	600 mm
Power connection	240 V / 12 A slow-to-blow fuse / 50 Hz (on the side)
Cold water connection	3/4 inch (on the side)
Sewer connection	50 mm Ø (on the side), odour-free waste discharge

Device Data

Power unit	1.1 KW geared motor with high torque, slow-running
Noise level	Under 70 dB – specially designed for indoor use
Design	Frame made of polished stainless steel, casing for discharge unit and disinfectant tank made of powder-coated stainless steel, including inspection glass for filling level monitoring
Flushing	Continually, for secure separation of the solid fraction and the liquid fraction and sufficient dilution of the liquid phase, flushing programme with adding of disinfectant
Waste	Not completely emptied disposable systems – urine bags and blood bags, aspiration systems and dialysis systems, etc. Contents of bag discharged in the sewer – non infectious medical waste
Material	Stainless steel 1.4301 for casing and 1.4571 for various construction parts
Performance	Max. 20 kg per hour
Collecting tank	25 litres capacity – after weight reduction of 80 %



Environmental Aspects

- Long-term, modern and efficient pollution control
- Burning of hazardous waste can be avoided and wet fraction is vaporised
- By shredding and separating wet waste, high-energy fuel is obtained
- Fuel oil can be substituted by recovery of energy of the plastic fraction

Technical data subject to change without notice.

Producer



8101 Gratkorn, Austria
 Concept Strasse 1
 T +43 (0)3124 / 22 150 - 0
 F +43 (0)3124 / 22 150 - 230
 E cmb@christof-group.at

www.christof-group.at

M E D I C A L A N D E N V I R O N M E N T A L T E C H N O L O G Y

Presented by