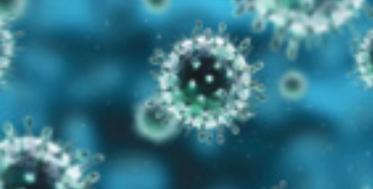




HYDROCLAVE

Infectious Waste Solutions



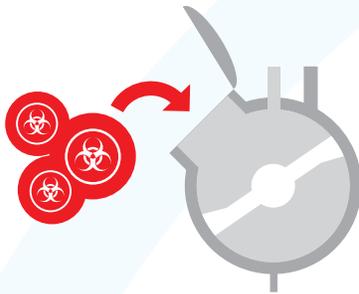
Hazardous to Harmless



STAGE ONE

LOADING

The waste is loaded by dropping bagged and/or boxed waste into the open loading door(s) on the vessel.



STAGE TWO

STERILIZATION

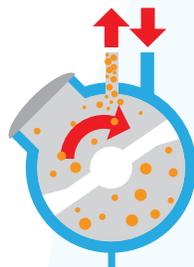
- A. Powerful rotators mix the waste and break it into small pieces.
- B. Steam fills the double wall (jacket) of the vessel and heats the vessel interior.
- C. The liquid in the waste turns to steam.
- D. After 20 minutes, the waste and liquids are sterile.



STAGE THREE

VENTING & DEHYDRATION

- A. The vent is opened, the vessel de-pressurizes via a condenser, and sterile liquid is drained into the sanitary sewer.
- B. Steam heat and mixing continue until all the liquids are evaporated and the waste is dry.



STAGE FOUR

UNLOADING

- A. The unloading door is opened.
- B. The mixer now rotates in the opposite direction; so angled blades on the mixer can push the waste out the unloading door.
- C. The dry sterile waste can be fine-shredded further or dropped in a waste disposal bin.



The waste is now ready for safe disposal!

Hydroclave Systems Corp has met the challenge to provide clean, environmentally friendly and cost effective infectious waste sterilization head on.

Our patented low temperature steam sterilizers are installed worldwide, providing infectious waste solutions in hard to service areas with small space requirements, site limitations and remote locations.

With 10 standard models to choose from, as well as a large catalogue of custom builds, we can accommodate the smallest in-house medical waste treatment rooms to the largest commercial treatment facilities providing centralized processing services including medical, airline and ship waste!



Whether you are a Hospital, Centralized Waste treatment facility, Landfill Operator, Lab or Mobile Waste Processor, we have a treatment application to fill your needs.

In operation since 1994, and based in Kingston, Ontario Canada, Hydroclave Systems Corp has brought the best in Canadian innovation and technology to the global stage.



Hydroclave Systems Corp can assist you in every step of your project scope. Our knowledgeable staff can guide you through model selection and site assessment, along with installation and operation requirements. From detailed proposals on design/build projects and CAD drawings to final commissioning.

Hydroclave also offers a comprehensive training plan which covers all aspects of Infectious Waste Management including handling and packaging, transport, treatment, disposal, worker safety and compliance to local and international standards.



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