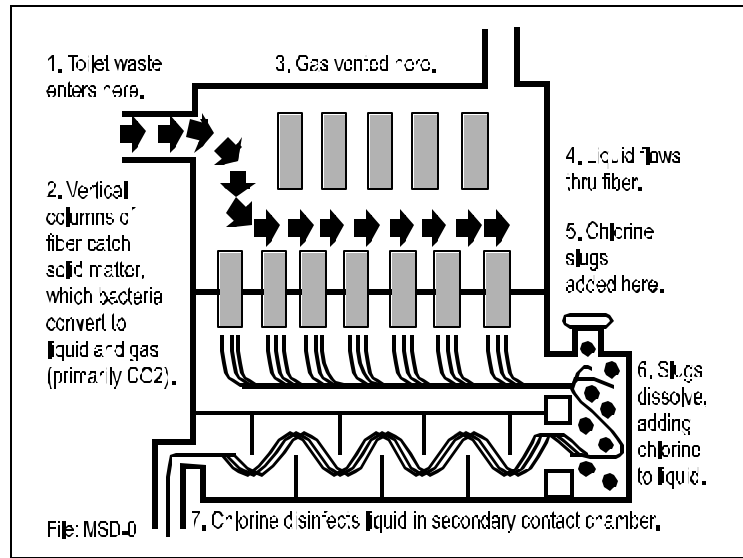


Microphor® Waste Treatment Tanks

Microphor Treatment Systems are bacteriological type systems for disposing of human waste only. They consist of the treatment tank, chlorinator and secondary.

The treatment tank (or tanks) can be mounted inside the car or engineered to fit under the car, depending on space available. They can be insulated and electrically heated if necessary in winter to help prevent freezing and to maintain the biological action within the treatment tank.

When waste water from the toilet enters the treatment tank, the liquids gravity flow through a series of fibre filter columns mounted in the lower portion of the treatment tank. The liquid then passes through the chlorinator unit where it is chlorinated by specially formulated Microphor Chlorine Slugs, P/N 94135. The effluent then gravity flows into the secondary retention chamber.



In the secondary retention chamber, the chlorinated liquid flows through and over a series of baffles thus allowing the chlorine time to reduce the coliform bacteria count to zero, before being allowed to drain onto the track bed via a drain port on the bottom or end of the tank.

The solid waste still remaining in the treatment tank is broken down bacteriologically, by microbes living in the treatment tank, into liquid, which drains as described above, and carbon dioxide gas which exhausts through the tank vent.

In order to maintain the optimum efficiency of the Microphor system, every effort should be made to keep antibacterial, carbolic or creosote base cleaners and foreign objects away from and out of the system. Below is a selection of models.

Treatment Tank Model	Expected Crew Size Aboard 24 Hours Daily	*Maximum Daily Flush Capacity	Basic Tank Thermoplastic Materials	Tank Overall Width	**Tank Overall Depth	Tank Overall Height
H-8	2	12	Polystyrene/ABS	22.5"	11"	36.5"
H-6	3	18	Polyethylene	20"	17.5"	23"
H-12	4	24	Polystyrene/ABS	31"	13.5"	29.75"
P/N 93799 Series	3	18	Polyethylene	24"	15"	26.3"
Custom	Variable	Variable	Plastic or Metal	Variable	Variable	Variable

*Flush capacity based upon the use of Microphor 1/2-gallon flushing toilets.

**Overall Tank Depth dimensions do not include the Primary Chlorinator Canister Piping/Assembly.



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