

# Malatech-C Dosing Unit

For the proper continuous dosage of bacterial cultures for bioaugmentation applications



# MalaTECH

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## PRODUCT DESCRIPTION

Many bacterial products used for bioaugmentation processes require continuous dosage. Continuous dosage of microbial products made by fermentation can be a tough job if executed by metering pumps like in case of chemicals. Microbes may secrete extracellular solid by-products, as well as the liquid, suspension, or solution can contain solid residuals from the manufacturing process. That can easily lead to continuous clogging of metering pumps. We have created Malatech-C Dosing Unit for reliable, and trouble-free continuous dosage of biotechnological products.



The unit is easy to operate without headache. Continuous dosage is done by a peristaltic pump. The net liquid volume of Malatech-C Dosing Unit is designed to be emptied by the peristaltic pump in 1-week time, so you need to refill the unit once a week. The delivery head of the pump is several meters, so the unit is not restricted to gravity, it can be placed way below the dosing point.



Considering the nature of biotechnological products, we recommend to open the bottom valve before every refill, and clean the unit by flushing the inside part with pure water.

Malatech-C Dosing Units are anti-freeze constructions, created for indoor & outdoor operation as well. The wall of the tank is applied with heating, and isolation, and by a thermal controller, you can adjust the temperature from the top of the machine.



## MALATECH-C DOSING UNIT FIELDS OF APPLICATION

- Industrial, and municipal activated sludge wastewater treatment plants
- Industrial, and municipal fixed film wastewater treatment plants
- Effluent holding tanks, lagoons, tertiary treatment ponds
- Influent digesters
- Biological leachate treatment processes



## BENEFITS MALATECH-C DOSING UNIT

- Easy to handle, and operate
- Peristaltic pump operation - dosing point can be way above the unit if necessary
- Reliable, and accurate continuous dosage of biotechnological products
- Temperature control for outdoor operation in winter
- Low energy consumption
- Reliable operation, non-sensitive parts, constructed for harsh conditions

