

Malatech-S Dosing Unit

For the proper dosage of bacterial cultures which require activation before application



MalaTECH

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PRODUCT DESCRIPTION

Many bacterial products used for bioaugmentation processes require activation before application. We have created Malatech-S Dosing Unit for activation, and sequential addition of biotechnological products.



The unit is constructed for suspensions, or solutions, easy to operate, and keep it clean. Activation of microbes is done by coarse bubble aeration. Air is supplied by a small capacity blower placed at the top of the machine.



Whenever you put the necessary amount of water in the dosing unit, and mixed in the microbial products, you just need to turn on the main switch, and aeration starts.

After the necessary activation period, you just need to open the bottom hand valve, and let the activated suspension flow into the bioreactor by gravity (custom units are available with submersible pump for locations where emptying by gravity is not available). Before closing the bottom valve, we recommend to clean the unit by flushing the inside part with pure water, especially if the dosed material is a suspension with particulate matter.



Malatech-S 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-S 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-S DOSING UNIT

- Easy to handle, and operate
- Reliable activation of biotechnological products
- Temperature control for outdoor operation in winter
- Low energy consumption
- Reliable operation, non-sensitive parts, constructed for harsh conditions

