

Digital Dosing Tank For Automatic & Accurate Dilution



DICOM[®]

- Dilution Ratio Can Be Set Digitally
- Compact SS 304 Structure
- Compatible with All Dosing Pump

The ORG 'Automatic Digital Dosing Tank'

Online Chemical Dosing is a very common need of many industries like Water Treatment, Purification, Cooling Towers, and Boilers Etc. For this Application many digital metering dosing pumps are available in the market, where the user can set the dosing ratio in terms of flow rate by themselves.

These kind of systems cannot be used without dosing chemicals, therefore continuous supply of the dosing chemical is the most important aspect out there. Some dosing pumps take help of level sensors in the chemical tank, this prevents dry run of the dosing pump as well as prevents against system run without dosing chemicals. Nowadays such a type of product is very common in the market.

To save transportation cost & reduce bulk handling of chemicals, most of chemical suppliers produce highly concentrated dosing chemical which is required to be diluted before use. The dilution ratio & diluted chemical's shelf life can vary from brand to brand or chemical to chemical, which commonly uses plastic tanks to prepare the dilution. Water and chemical is mixed manually as per the required dilution ratio and then they start to feed the diluted chemical through the Dosing Pump to the plant requiring dosing. Once the tank is emptied, it has to be again manually filled with water and dosing chemical.

Due to this manual operation, it is very difficult to maintain ratio of proper mixing at any given particular time. In some cases, a larger size of dosing tank is used to make a large quantity of diluted chemical to prevent very frequent mixing.

In such a situation, due to a long time storage of diluted chemical, it's shelf life gets over and bacterial growth develops in this diluted chemical making the dosing chemical ineffective, also due to storage for a long time of the diluted chemical, water and dosing chemical starts to get separated due to differential density of water and chemical. So most of chemical manufacturers suggest use of the diluted chemical within 24 hours but currently such a system, which prepares chemical dilution automatically at an appropriate time is not available in the market.

We, at ORG are involved in designing, creating & manufacturing innovative water treatment products used in homes, commercial & industrial establishments over the last 14 years. We believe in offering quality products with value for money propositions.

We researched and developed a unique product which is called DDT (Digital Dosing Tank). It plays a big role in dosing chemical industries. Our Automatic Digital Dosing Tank is a very simple device where users can digitally set the water - chemical mixing ratio in a very easy way.

In this device two tanks are provided. One is a dilution tank another is a chemical tank. Both tanks are equipped with level sensors. The DDT automatically combines water & the concentrated dosing chemical as per a defined mixing ratio into the dilution tank sufficient for 24 hours, and is assured to refill the systems every 24 hours 365 days of the year.

Benefits of the ORG – DDT

- Prevents damage of the dosing pump & dry run. (Automatically trips off in the event of no chemical)
- Ensures precise dilution ratio (The system incorporates a highly accurate chemical feeding pump).
- It prevents expensive chemical wastage (Caused due to otherwise improper regular handling)
- It saves expensive manpower. (It is fully automatic once the chemical is empty, alarms are activated & mains are shut).
- It eliminates human error in mixing (It is automatically done by the system)



Specification

Dilution Tank Size	50 L
Chemical Tank Size	10 L
Chemical Digital Setting Range	5 to 500 ml in fixed water volume 25 L
Operating Voltage	230 AC - 50 Hz - 5 Amp
Skid Material	SS 304
Size	635 X 406 X 495 MM

ORG ENGITECH LIMITED

Survey No.1009/P, (Old-662/P), Opp. Techflow, Ahmedabad to Indore Highway,
Village - Kubadthal, Ta:- Daskroi, Ahmedabad-382430, Gujarat, India.

+91 9712904010, 9879504010, 9099903207 | info@orgengitech.com sales@orgengitech.com | www.orgwater.com