



CCP ENTERPRISES

AUTOMATIC POLY PREPARATION UNIT

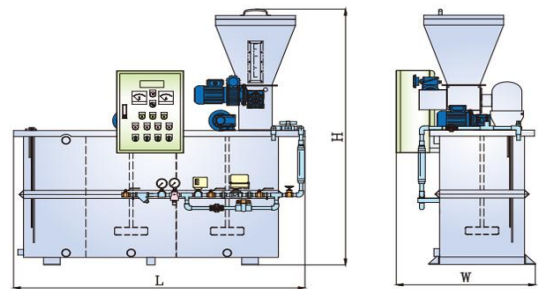
The automatic polyelectrolyte preparation and dosing unit consists of a rectangular tank divided into three compartments. The first compartment, for mixing Powdered polyelectrolyte with water polyelectrolyte loading hopper installed on top of the machine, micro-screw batcher and relevant variable speed drive (VFD) , fast stirrer for the polyelectrolyte mixing, inflow system for the dilution water and relevant solenoid valve, flow meter; the second compartment, for the polyelectrolyte mixture ageing, is equipped with slow stirrer and bottom suction and drain system. The third compartment, for ageing and storage, is used for the mixture storing and is provided with slow stirrer and suction and delivery system for the polyelectrolyte solution.it also provided low and high level sensor to automatic start and stop of water flow and powder polyelectrolyte. Every stirrer has impellers fitted on its shaft, each one with four sloping blades. The polyelectrolyte preparation occurs automatically: in fact, once the concentration (from 0.05% to 0.5% by weight) has been established, the dosing of dilution water and polyelectrolyte starts automatically. The solution at the automatic polyelectrolyte preparation unit outlet can be further diluted in the network, if required. The preparation unit is provided with alarms activated by the failure of the dosing screw or shortage of dilution water, insufficient level of polyelectrolyte in the hopper, faulty operation of the stirrer. The standard construction is in stainless steel.

Applications as

- Treatment of drinking water and water for industrial processes.
- Treatment of sludge, to improve the performance of centrifuges and filter press.
- Industrial Processes in paper mills, chemical industry, petrochemical, treatment of minerals, canning, etc.

Feature:

- Continues operation design
- Easy installation
- Less space required
- Very low power required.
- MOC : SS 304, SS 316,
- Less man power



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