

POLIMAG SERIES®

Model : SKID Backup Polyelectrolyte



Polimag® mixing unit

Features

In water treatment, in de-oiling, water and polyelectrolyte solutions are used to allow the Flocculation of residues. The peculiarity of our machinery is the completeness of the preparation cycle, which includes mixing, maturation and relaunch of the solution.

This makes it insertable anywhere in the system, as a solution to the flocculant problem.

The supply is completed by the customization of the remote control software for interfacing with the customer's MES.

Accessories

Storage and maturation tank

The rectangular stainless steel tank is divided into two compartments communicating by means of transfer pipes in order to ensure the correct maturation and storage of the polyelectrolyte.

The first compartment is equipped with a mixture load defoamer duct and a motorized agitator. After reaching the desired level the mixture is transferred into the storage tank via the pipes on 3 levels: 1200L, 900L and 600L.

Level Sensors

The second compartment of the tank is equipped with two ultrasonic sensors that are used to indicate the amount of liquid in the tank:

High/low level sensor programmable by HMI software

Super_maximum/super_minimum level sensor - indicates level that is too low or too full of product matured in the tank, activates the relevant alarms.

Boosters pumps

The pump unit has the task of taking the matured product from the storage tank and sending it under pressure towards use.

It is possible to configure the pumps to make them work independently, sending the solution to two different exits, or to mutual rescue - to a single exit.

Two pressure switches have been mounted to verify the flow of the product on each line of the pump assembly.

Allows you to manage the status of the machine from a control room via PC or an additional remote screen.

“Storage and maturation tank”



“Electric Boosters pump”



Technical Specifications

Committed power	5kW
Supply voltage	380 Vac
Compressed air	5-10 bar
Maximum flow rate	4000 lt/hr
Accuracy of the solution	1%
Field of application	Water treatment