

## POLYMER UNIT

### Polymer Preparation & Dosing Station

#### DESCRIPTION

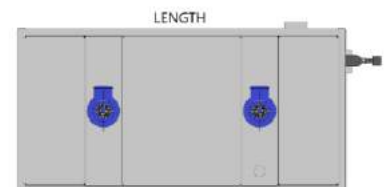
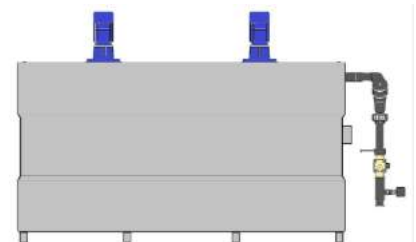
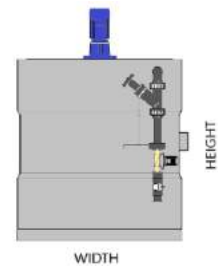
EQUIP POLY preparation and dosing station is designed for the production of polymer / polyelectrolyte solutions for the treatment of sludge. Our plants are used for all separation cases such as biological sludge or physicochemical processes.

The polymer solutions are prepared by dilution in the tank. The operator sets up the dosing system (dosing pump) and the water supply regulation in the network according to the need. The water is mixed with the concentrated polymer in the tank with a vertical mixer at low speed. The machine is designed to meet a specific retention time (20-30 min) based on the flow of the dosing pump and the water inlet.



#### EQUIP POLY unit in standard is composed :

- Mixing tank in stainless steel AISI 304 divided into one or more sections
- Discharge ball valve
- Overflow sleeve
- Vertical low rpm mixer with stainless steel shaft and blades
- Bars sensor level
- Solenoid valve for network water
- Regulation pressure valve + Y filter
- Flow meter for monitoring mechanical-analog input network water
- Screw/piston dosing pump for concentrate poli
- Screw/piston dosing pump for diluted poli



EQUIP POLY	300	500	800	1000	1250	1500	2000	3000	4000	5000
Volume - Liters	300	500	800	1000	1250	1500	2000	3000	4000	5000
Length - mm	700	850	950	1250	1250	1300	1450	1900	2050	2250
Width - mm	650	750	850	950	1100	1150	1250	1300	1450	1550
Height - mm	1150	1150	1150	1150	1150	1250	1350	1350	1550	1650