

POLYELECTROLYTE PREPARATION AND DOSING STATION

GENERAL CHARACTERISTICS

The polyelectrolyte preparation and dosing station is devised especially for the production of base solutions or solutions using synthetic flocculants (polyelectrolytes). These solutions can be used in all cases where colloidal substances need to be separated from waste water. The user inserts the data regarding the concentration of the solution, the hydraulic calibration of the powder metering device and the liquid concentrate pump, according to the work requirements at the time.

CONSTRUCTIONAL CHARACTERISTICS

The automatic mixing plants with two or three chambers for flocculant substances in powder form for producing a dosing solution of 0.05 and 0.5% consist of:

Combined container in AISI 304 stainless steel for preparing, maturing and storing polyelectrolyte, with reinforcements and brackets for the other aggregates;

Bottom and overflow discharges in AISI 304 stainless steel (min 70 lt.)

Metering device for dry substances, of variable capacity, and loading hopper with hinged cover and seal, propeller with three-phase motor and variable speed (0.18 kW motor)

2 or 3 low-speed electric agitators in AISI 304 stainless steel with 0.18 kW motor

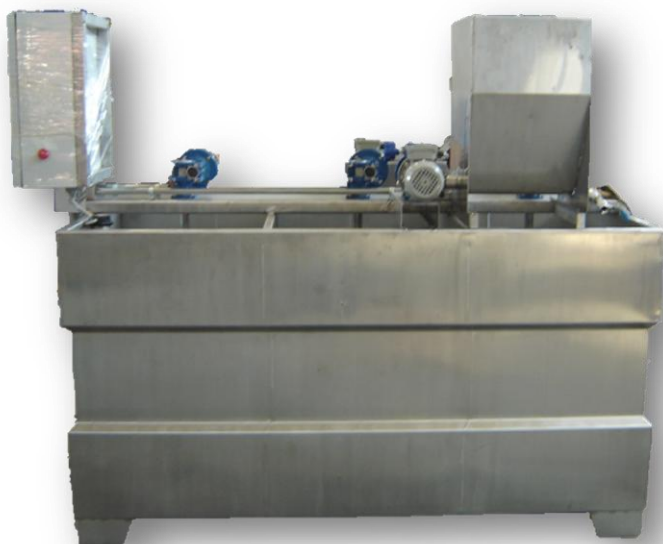
Pipes for metering the concentrated liquid

Washing system for washing and dampening the powder, with a washing device, nozzle, flow measuring device and a set of fittings for the water solution

IP55 control panel

STANDARD CONFIGURATION

AISI 304 stainless steel

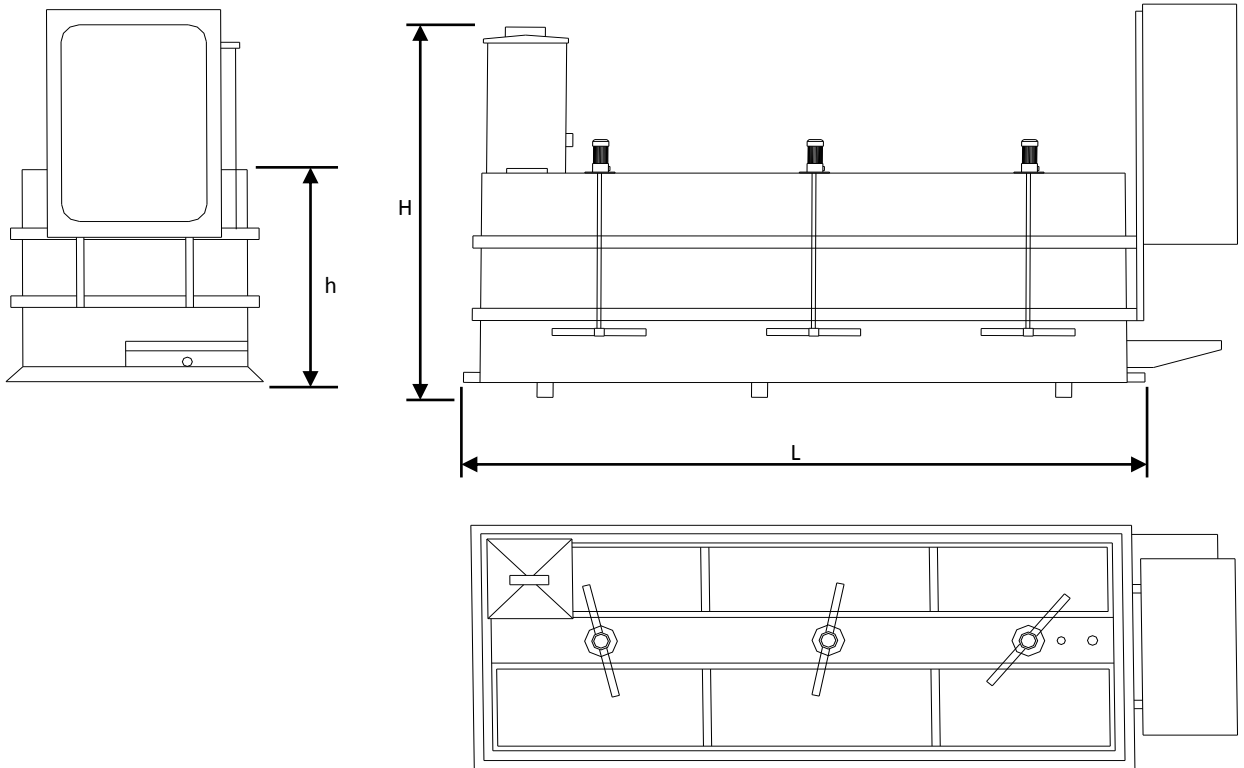
OPERATION

Capacità 2.000 lt
Vasche n° 3



Capacità 1.000 lt
Vasche n° 2

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Main Features		UNIT	Dimensions			
MODELS			SDP 800	SDP 1000	SDP 1500	SDP 2000
LUNGHEZZA (L)	mm	1600	1600	1600	2300	
LARGHEZZA (W)	mm	800	900	1000	1000	
ALTEZZA MAX (H)	mm	1900	1900	1900	1900	
ALTEZZA SERBATOIO (h)	mm	1000	1000	1000	1000	
PORTATA NOMINALE	l/h	800	1000	1500	2000	
PESO A VUOTO	daN	230	300	350	400	
PESO IN FUNZIONE	daN	1130	1500	1800	2300	
POTENZA INSTALLATA	kW	0,70	0,70	0,70	0,70	

The company reserves the right to make modification and improvements without prior notice