



AUTOMATIC POLY- ELECTROLYTE PLANT PAP

The automatic poly-electrolyte plant allows the preparation (mixing with water), maturing and dosage of the granulated poly-electrolyte to be carried out automatically in a continuous and simple way.

These plants have the characteristic of being very compact and can easily be connected to plants already installed, in place of manually operated systems.

Its installation is necessary in all those applications that require poly-electrolyte dosage for the flocculation of all kinds of industrial and urban waste water.



DESCRIPTION OF THE EQUIPMENT

The automatic poly-electrolyte plant is made up of the following elements:

Poly-electrolyte dosage funnel, made of stainless steel and situated over the plant's tank. The built-in dosage system is made up of a perpetual screw with quill activated by a gear motor coupled to the funnel. There is a lid on the upper part through which the funnel is filled with the granulated poly-electrolytes.

High capacity scatterer, manufactured in polypropylene. It is cylindrical with a conical base, ending in a piece of tubing which connects it to the tank. It has two water inlets at different heights to cause the necessary turbulence for carrying out the first mixing with the poly-electrolytes while avoiding the appearance of lumps. It is situated above the plant's tank and below the dosification funnel from which the poly-electrolytes fall.

The circuit of water has a control electrovalve and a pressure regulation gauge to regulate the rate of feeding according to need. It also has the corresponding cut-off valves and the valves regulating the input of water to the scatterer. This circuit is situated around the funnel.

The main tank upon which the other elements are placed and in which the poly-electrolytes are prepared and matured. It is rectangular in shape and is made of Polyester reinforced with fiberglass. It has an upper maneuvering aperture and a lower drainage nozzle.

The shaker situated at one side of the tank mixes the water with the poly electrolytes in the tank.

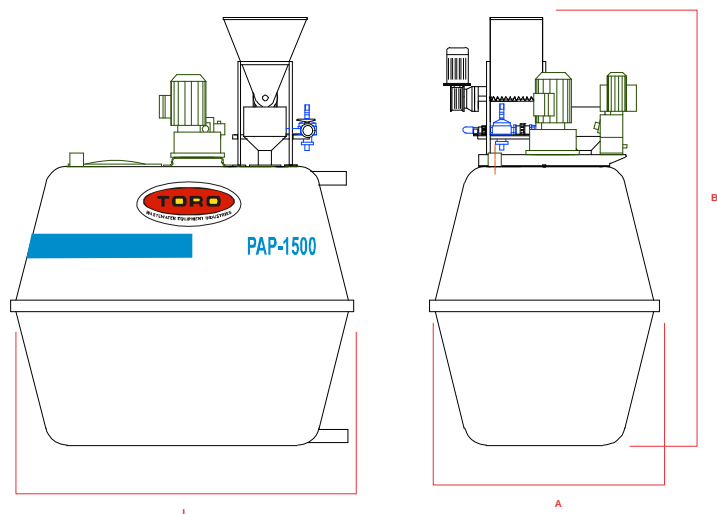
The doser situated above the tank and next to the shaker carries out the dosage of the poly-electrolytes already prepared.

There are minimum, maximum and control floats in the tank to control the automatic starting and stopping of the shaker, the poly feeder and the water inlet.



DESCRIPTION OF THE EQUIPMENT



TECHNICAL SPECIFICATIONS


MODEL	PAP 1500	PAP 3500
Maximum capacity of preparation (Kg/h)		
Polyelectrolyte at 0.2 %	256	542
Polyelectrolyte at 0.3 %	193	422
Polyelectrolyte at 0.5 %	138	216
Polyelectrolyte at 1 %	127	251
Tank		
Capacity (l)	1.500	3.500
Height (mm)	1.330	1.730
Length L (mm)	1.635	2.000
Total Width A (mm)	1.095	1.360
Total height B (mm)	2.090	2.480
Material	P.R.F.V	P.R.F.V
Scatterer		
Material	Polypropylene	Polypropylene
Funnel		
Capacity (l)	20	40
Dosification (l/min)	0.4	0.4
Material	Stainless steel	Stainless steel
Perpetual screw	Stainless steel	Stainless steel
Power, Kw	0.122	0.122
Shaker		
Power, Kw	0.75	0.75
Nº Units	1	1
Material	AISI 316	AISI 316
Doser (to be specified in each case)		
Nº Units	1	1
Power (Kw)	0.09	0.09
Flow (l/h)	115	160



MAXIMUM EFFICIENCY IN MINIMUM SPACE



OPTIONALS

- **PAPE:** Plant automatic of preparation from polyelectrolyte emulsified.



- **DPR:** Tank semiautomatic of preparation reactives.

