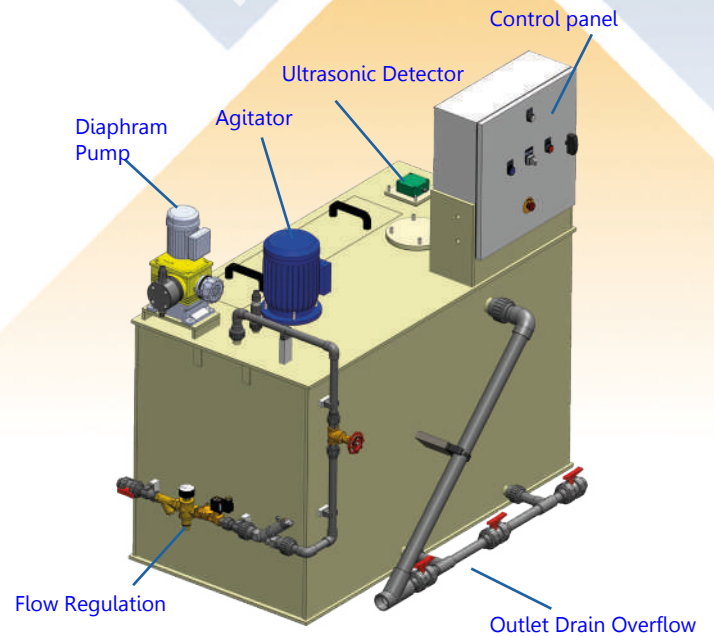


# POLYMATE PREPARATION UNIT

NEW EQUIPMENT MADE BY SODIMATE

Sodimate can offer a wide range of polymer preparation units.

The Polymatic E is a preparation unit designed for polyelectrolytes. This unit is intended to dilute liquid polymer (emulsion) to a desired concentration to be fed in a process that requires flocculation. It is aimed at all applications where synthetic polymers in a concentrated liquid form (emulsion) must be prepared in solution to act as flocculants. Most of the commercially available polymers are usable with our preparation unit. In order to achieve high quality and continuous preparation, the whole system is fully automated.



## ▶ **ADAPTABLE**

## ▶ **TURNKEY**

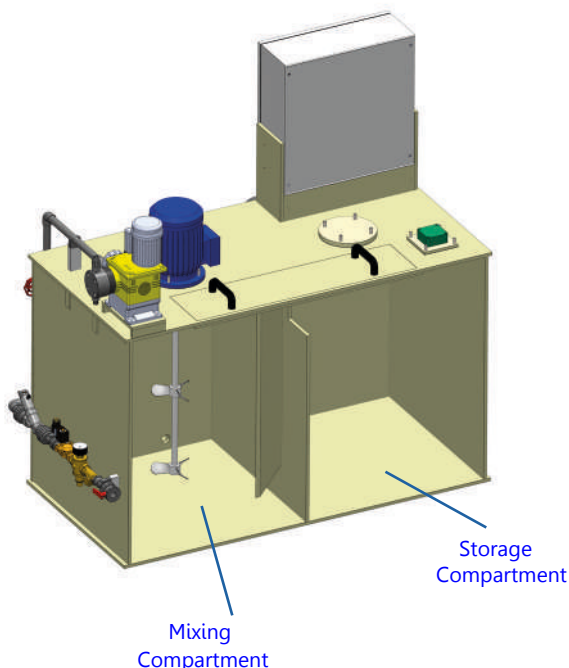
## ▶ **REDUCED MAINTENANCE**

### Emulsion version

The Polymatic E consists of a PPH tank with 2 distinct chambers: one for mixing and one for storage. These two chambers are hydraulically connected via overflow.

The first compartment is systematically equipped with an agitator whereas the second is not, except in case of a specific request.

The mixing compartment is supplied with clear water while a certain amount of liquid polymer is injected thanks to the diaphragm pump. The mixer continuously dissolves the emulsion into the water by agitation. Finally, the polymer solution then flows to the storage compartment from which it can be transferred into the process.



# POLYIMATE PREPARATION UNIT

NEW EQUIPMENT MADE BY SODIMATE



## OPTIONS

- ▶ HMI display for the control panel
- ▶ Online dilution chart with static mixer
- ▶ Custom-made tank dimensions
- ▶ Agitator in the second compartment
- ▶ Peristaltic or progressive cavity pump instead of the diaphragm pump
- ▶ Progressive cavity pump mounted directly on the tank
- ▶ Customized positions of each instrument on the tank

POLYIMATE RANGE	400E	650E	1000E	1500E	2000E	3000E
Length x Width x Height	1040x830x690	1414x734x880	1530x1000x880	1592x1230x1000	2130x1230x1000	2624x1450x1000

Maximum discharge rate in L/h for a maturation time of 20 minutes	1150	1950	3000	4500	6090	9045
Water supply	DN20	DN20	DN20	DN40	DN50	DN50
Estimated water flow in L/h for 20 minutes for maximum discharge rate	2300	3900	6000	9000	12 180	18 090
Variable area flowmeter range	-	-	-	1000-10000 l/h	2500-25000 l/h	2500-25000 l/h
Meotronic flowmeter range + display range in L/h	120-6000	120-6000	120-6000	-	-	-

Dosing pump power	0,12 Kw	0,12 Kw	0,12 Kw	0,12 Kw	0,12 Kw	0,12 Kw
Maximum diaphragm pumping rate	10 l/H	25 l/H	25 l/H	50 l/H	83 l/H	110 l/H