



WASTEX AUTO POLYMER PREPARATION UNIT

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PRODUCT INTRODUCTION

Automatic Polymer Preparation Unit is an equipment which can feed and dissolve dry chemical powder, and then produce chemical liquid automatically and continuously.

Automatic Polymer Preparation System can select PAM Based on demand.

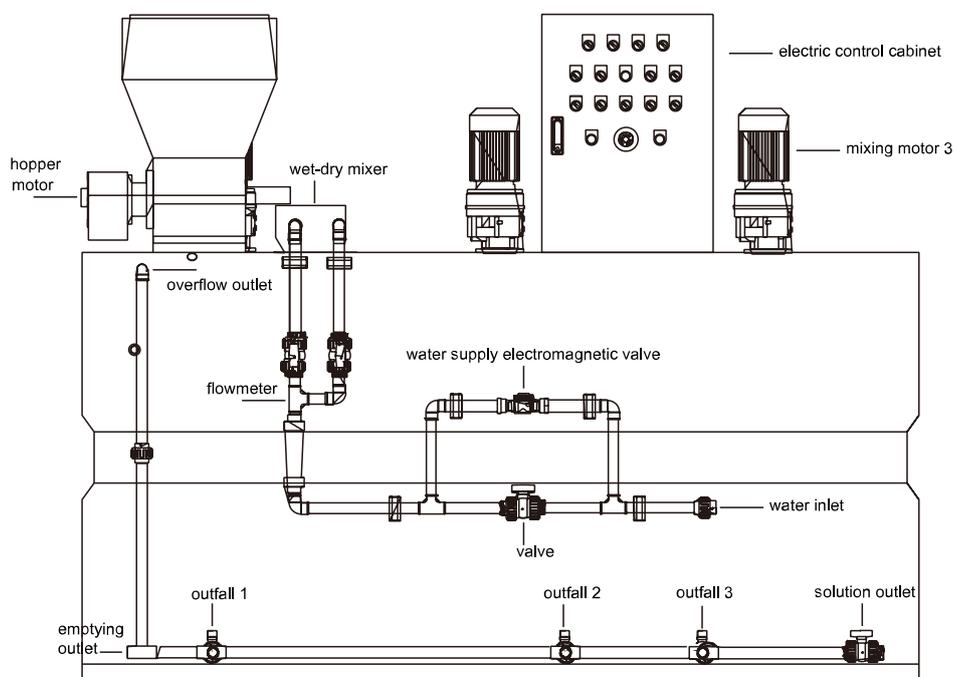
It is safe, convenient, reliable and has a wide range of applications. It is especially suitable for papermaking industry, industrial wastewater treatment and municipal wastewater treatment plants, waterworks and Industries requiring the use of flocculant solution.

WASTEX AUTO POLYMER MIXING

เครื่องเตรียมสารละลายโพลีเมอร์อัตโนมัติ



PRODUCT ADVANTAGES



- Continuous preparation of three tanks (mixing tank, equalizing tank and storage tank) is easy to operate and maintain with the lowest manpower cost.
- Uniform and moderate formulation concentration can reduce the occurrence of granulation (block) caused by improper manpower allocation, avoid pipeline or pump blockage, and increase unnecessary personnel maintenance costs and powder expenditure.
- The equipment is controlled by PLC in the whole preparation process. It can automatically intermittent, continuous operation and stop cross stirring function to make solution fusion uniform.

PRODUCT ADVANTAGES

- **1.Precision Dosing**

Eliminate human error with AI-driven algorithms that adjust chemical injection in real time, ensuring optimal treatment while reducing overuse.

- **2.Labor Savings**

Automated systems minimize manual intervention, cutting operational costs and allowing staff to focus on higher-value tasks.

- **3.Enhanced Treatment Efficiency**

Consistent chemical delivery maintains ideal water quality parameters, improving pollutant removal rates and compliance with strict environmental standards.

- **4.Real-Time Monitoring & Control**

IoT-enabled sensors provide live data on chemical levels, flow rates, and system performance, enabling proactive adjustments and troubleshooting.

- **5.Environmental Sustainability**

Reduce chemical waste and energy consumption through smart optimization, aligning with global green initiatives.

- **6.Cost Reduction**

Long-term savings come from minimized chemical usage, lower maintenance, and extended equipment lifespan.

- **7.Scalability & Flexibility**

Adaptable to various wastewater types and plant sizes, from municipal facilities to industrial complexes.

AUTOMATIC POLYMER PREPARATION UNIT



Automatic Polymer Preparation Unit is for powder polymer preparation, designed for homogeneity in flocculant concentration.

Optimized design can ensure the polymer goes through the maturation process using the smallest footprint.

Specification

Model	Capacity (L/h)	Powder hopper capacity (L)	Material	Power (kW)	Dimension (mm)			Weight (kg)
					L	W	H	
WT-500L	500	65	SUS304	0.99	1400	1520	1870	280
WT-1000L	1000	65	SUS304	0.99	2000	1300	1660	410
WT-2000L	2000	65	SUS304	1.36	2440	1520	1965	550
WT-4000L	4000	65	SUS304	1.36	3000	1800	2115	680
WT-5000L	5000	65	SUS304	3.55	4000	1550	1830	960
WT-6000L	6000	65	SUS304	3.55	4000	1800	2080	1050
WT-8000L	8000	65	SUS304	4.65	4500	1800	2100	1280
WT-10000L	10000	100x2	SUS304	4.9	5000	1800	2100	1560

AUTOMATIC POLYMER PREPARATION UNIT

PE Polymer Preparation Unit is a simple dosing unit made of PE. The unit is composed of stirring motor, mixer, dosing port, water inlet and washing water inlet. It is low cost which is applicable to small scale, personnel onsite project.



Specification

Model	Capacity (L/h)	Dimensions (mm)			Power (kW)	Mixing motor (kw)	Dosing Pump (kW)
		L	W	H			
WT-500L-PE-1	500	830	1410	1580	1	0.75	0.25
WT-500L-PE-2	1000	1660	1410	1580	2	0.75x2	0.25x2
WT-500L-PE-3	1500	2490	1410	1580	3	0.75x3	0.25x3
WT-1000L-PE-1	1000	1120	1720	1706	1	0.75	0.25
WT-1000L-PE-2	2000	2240	1720	1706	2	0.75x2	0.25x2
WT-1000L-PE-3	3000	3360	1720	1706	3	0.75x3	0.25x3
WT-2000L-PE-1	2000	1400	2000	2200	1.65	1.1	0.55
WT-2000L-PE-2	4000	2800	2000	2200	3.3	1.1x2	0.55x2
WT-2000L-PE-3	6000	4200	2000	2200	4.95	1.1x3	0.55x3



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AUTO POLYMER MIXING

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