

AUTOMATIC POLYMER DOSING SYSTEM (eAPD series)

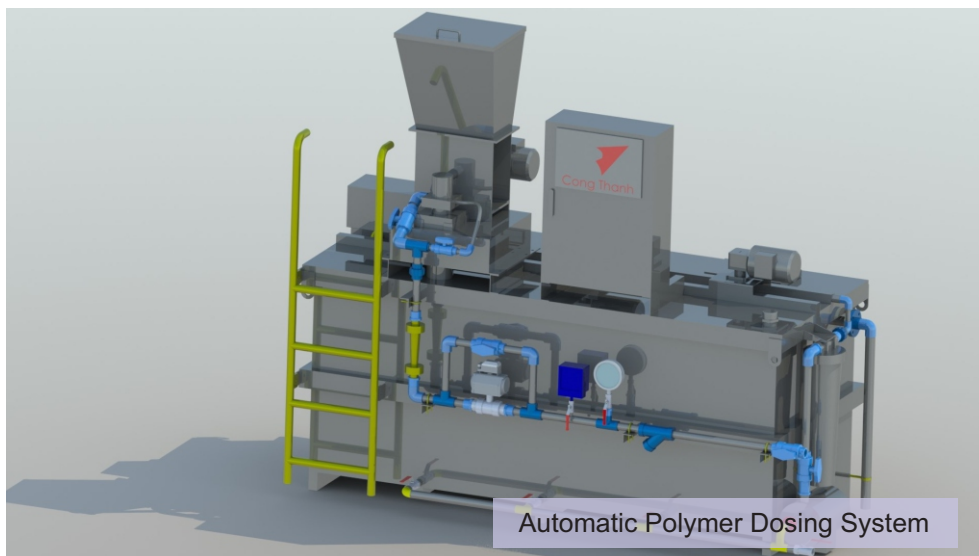
Introduction

Automatic Polymer Dosing system is made by SUS-304 with corrosion resistant material and completely auto-operation to assure the highest efficiency and lowest cost of operation and maintenance. Innovative design of the wetting mixing device to prevent congeal and uneven mixing, and also be designed to multi-tank for speedy mixing and storage for continuous usage. Which avoids gel formation or “fish eyes”, saving labour cost, increase performance of polymer and reduce loss of fresh polymer compare to the conventional methods.

Automatic Polymer Dosing system has no limit in every kind of industry, such as Municipal, Settling, Flotation, Petrochemical, Sulphate, Plating, Paper Mill and other process.

Capacity: 500 L/hr – 10,000 L/hr

Concentration of polymer solution: 0.1% – 0.4 %



- All SUS304 construction along with corrosion resistant materials such as PVC and PP.
- Automatically operation assuring consistent output and minimum operation costs.
- PLC controller to increase reliability and ease of operation.
- Widely adjustable concentration range (0.1~0.4%) with capacity from 500 L/hr to 10,000 L/hr.
- Covered hopper along with power level monitoring assuring reliable and consistent results.
- Innovative wetting assembly assuring zero gelling potential.
- Heated conveyor to prevent gelling potential around metering screw.
- Comprehensive local control panel indicating operating status.
- Multi-tank designed for flash mixing, aging and storage needs.
- Low noise-low vibration and stable performance.

Aplication

- Drinking water treatment: Flocculation and sedimentation processes.
- Waste water treatment: flocculation, flotation, precipitation and sedimentation processes .
- Sludge treatment.
- Treatment of process water and circulation water.
- Pulp & paper industry, mining, power plants, etc.

Specification

Model	Polymer Quantity (L/hr)	Storage Hopper (L)	Use Power				Dimensions (L.W.H) mm	Weight (KG)
			Screw (HP)	Dissolution (HP)	Maturing (HP)	Storage (HP)		
eAPD-500	500	50	1/4	1/3	1/3	1/3	1800	340
							795	
							1505	
eAPD-1000	1,000	50	1/4	1/3	1/3	1/3	2198	450
							1020	
							1605	
eAPD-1500	1,500	50	1/4	1/2	1/2	1/2	2408	570
							1020	
							1753	
eAPD-2000	2,000	80	1/4	1/2	1/2	1/2	2695	720
							1225	
							1875	
eAPD-3000	3000	80	1/4	1/2	1/2	1/2	2975	980
							1210	
							2075	
eAPD-5000	5000	120	1/4	1	1	1	3660	1280
							1635	
							2260	
eAPD-7000	7000	120	1/4	1	1	1	3750	1650
							1820	
							2262	
eAPD-10000	10,000	160	1/4	2	2	2	4675	2150
							1820	
							2667	

Flow chart

