



FP-010 Auto Batch Double-stage Powder Dissolver

# Auto Batch Double-stage Powder Dissolver

The powder make-up unit mixes up the chemical/ polymer powder and water spirally in the premixing device, by a constant dosing of powder into liquid to make-up a precise concentration of solution.

The double-stage dissolver can achieve the purpose of chemical/polymer mixing and aging in two separate reactors to provide a higher make-up capacity. The matured chemical solution is then transferred to additional storage tank for demand.

## Applications :

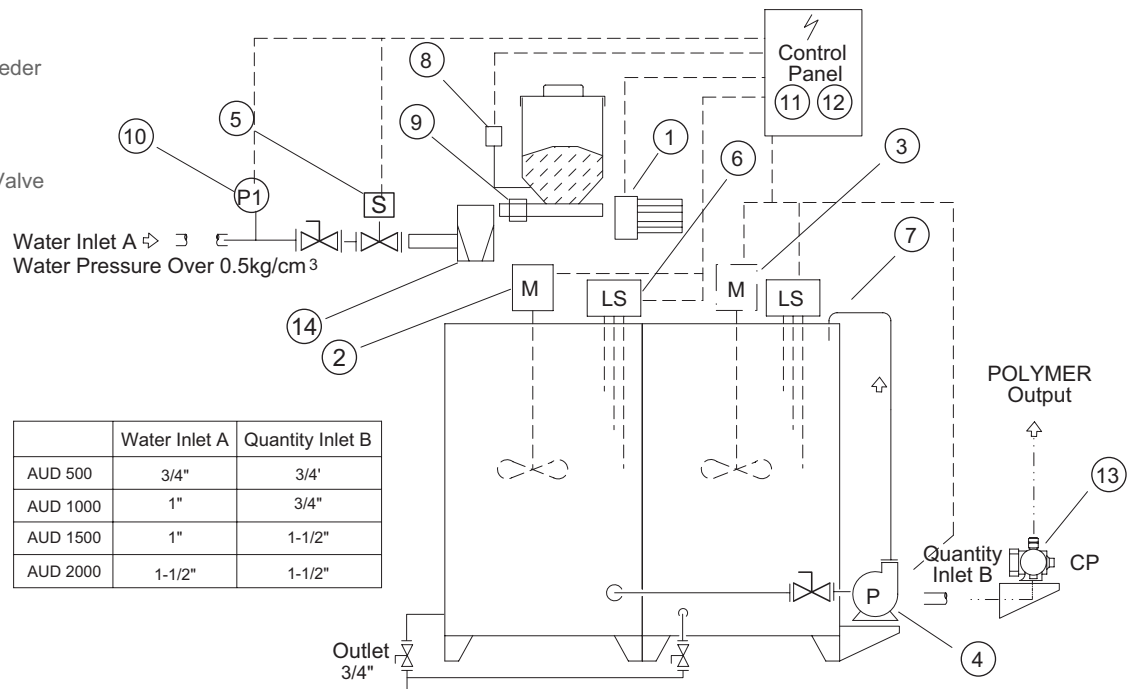
Make-up chemical powders (polymer, powdered active carbon and lime) with water to form solutions at low or medium rates.

## Features:

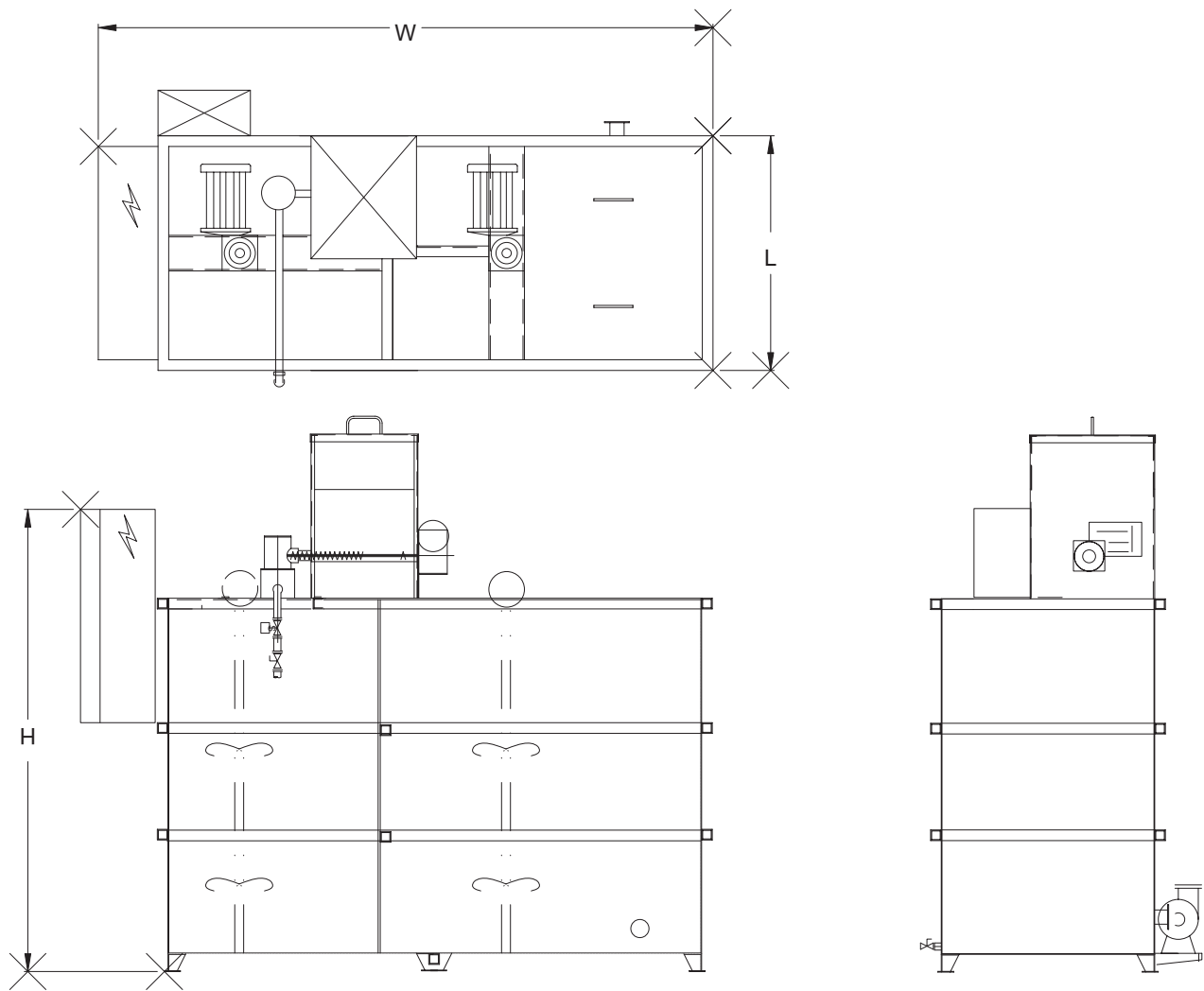
- › Dual auto and manual switch operation modes.
- › Batch operation to prevent the faults of shortage and unstable flow rate.
- › "NO TOUCH" design of the mixer to prevent clogging.
- › Integrated mixing and maturing tanks (or additional storage tanks) for compact size and high operation rate.

## Equipment Process

- ① M1 Motor of Powder Screw Feeder
- ② M2 Agitator (Mix Tank)
- ③ M3 Agitator (Storage Tank)
- ④ M4 Transfer Pump
- ⑤ SV1 The Inlet Electromagnetic Valve
- ⑥ LS1 Mix Tank Meter
- ⑦ LS2 Storage Tank Meter
- ⑧ LS3 Powder Storage Tank (Optional)
- ⑨ H Heater
- ⑩ P1 Pressure Gage (Optional)
- ⑪ T1 Inlet Time
- ⑫ T2 Mix Time
- ⑬ CP Quantity Control Pump (Excluded)
- ⑭ PM Premixing Device
- Power Line
- Excluded



# Equipment Drawings and Section Views



## Auto Batch Double-stage Powder Dissolver

### Specifications

	AUD 500	AUD 1000	AUD 1500	AUD 2000	AUD 3000	AUD 4000
Capacity (Max.)	500	1000	1500	2000	3000	4000
Std. Powder Qty. (L)	25	35	35	35	100	100
Ext. Powder Qty. (L)	35	100	100	150	150	300
Dosing Rate (Kg/hr)	0.25 ~ 1.5	0.5 ~ 3	0.75 ~ 4.5	1 ~ 6	1.5 ~ 9	2 ~ 12
Pressure (Kg/cm <sup>2</sup> )	1	1	1	2	2	2
Power (Kw)	2	2.5	5	5	8	8
Dimension (M) L×W×H	0.9×1.8×2	1.1×2.2×2	1.3×2.6×2	1.3×2.6×2.4	1.5×2.6×2.4	2.1×4.2×2.5
Concentration (%)	0.05 ~ 0.3 Adjustable (Customization Available by Request)					