

# 1 Coagulating Sedimentation Treatment Equipment

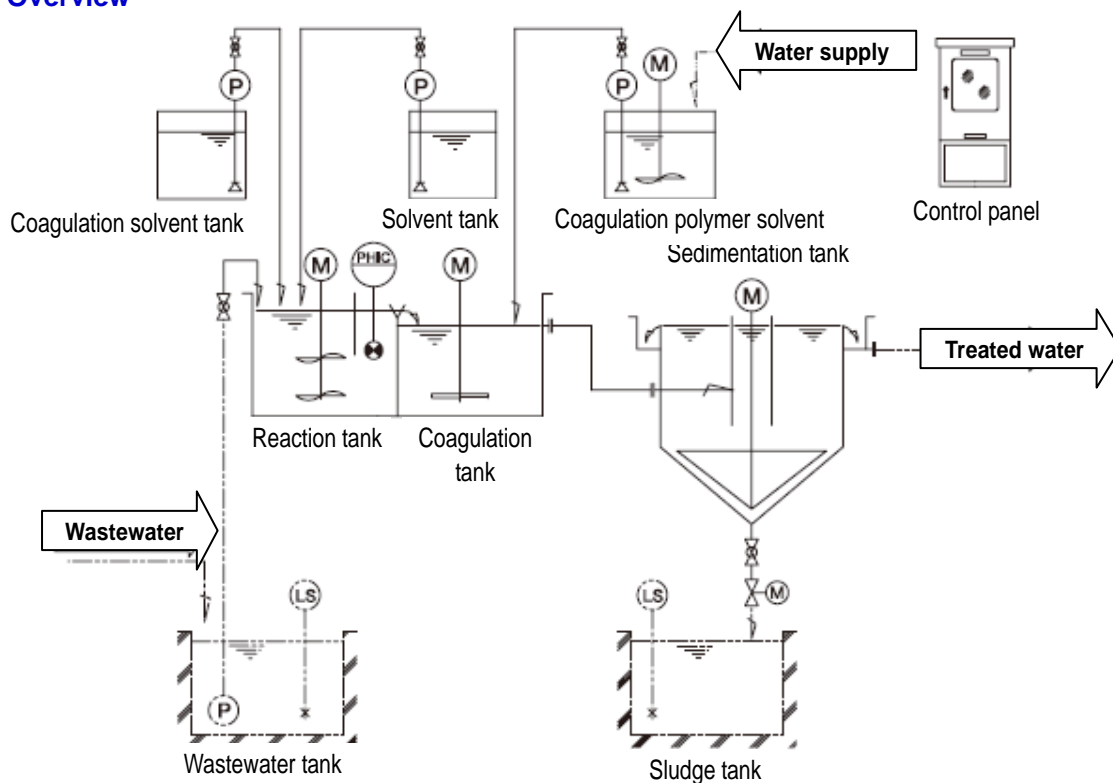
## 1-1. Elepon E.C.A.P. Corporation - Coagulation Sedimentation Treatment Unit -

### ■ Features

- Suspended Solid can be efficiently removed with original coagulation sedimentation method.
- Drainage volume and time of sludge can be set up as you like by adoption of automatic sludge drainage system.
- Small area for installation of the treatment unit and compact design
- It is easy to operate and maintain with automatic control.
- The most suitable pH value to coagulation can be set up according as wastewater by standardization of pH automatic control function.



### ■ Overview



Flow diagram of treatment system

### ■ Performance/Specifications

- Specifications of PD series

Item	Type	PD-1200	PD-1600	PD-2000	PD-2600	PD-3000
Standard treatment volume (m <sup>3</sup> /hr)		0.5 - 1	1 - 2	2 - 4	4 - 8	8 - 12
Reaction tank volume (L)		300	600	1,200	1,800	3,000
Coagulation tank volume (L)		200	400	800	1,000	1,500
Sedimentation tank volume (m <sup>3</sup> )		1.4	3.1	5.6	12.0	18.0
Electric power (kW)		0.7	1.1	1.6	2.1	2.9
Equipment weigh (t)		1.3	2.0	2.8	5.4	7.0
Operation weigh (t)		3.7	7.2	12.4	24.0	34.2

- Standard treatment volume refers to the case of using coagulation polymer solvent, therefore, treatment capacity will be changed in terms of water quality of wastewater

### ■ Applications/Experience

- Metal surface treatment factory
- Treatment equipment for wastewater from plate process as removal of Chromium, Cyanide, Heavy metal
- Treatment equipment for wastewater from process of printed circuit board, electronics parts, etching
- Treatment equipment for wastewater from process of acid washing and phosphorus acid capsule
- Treatment equipment for wastewater from process of barrel polishing, painting, stone, slate, concrete, ceramics, glass polishing.
- Treatment equipment for muddy water from public works construction
- Treatment equipment for wastewater from incinerator of garbage, reclamation
- Treatment equipment for wastewater from scrubber, car-washing machine, laboratory
- Other industrial wastewater

\*Note: Equipment such as dehydration, sand filtration as additional treatment, activated carbon absorption may be necessary as option in case of above usage.

### ■ Reference

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