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

- Performance/Specifications
  - Specifications of PD series

<table>
<thead>
<tr>
<th>Item</th>
<th>Type</th>
<th>PD-1200</th>
<th>PD-1600</th>
<th>PD-2000</th>
<th>PD-2600</th>
<th>PD-3000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard treatment volume (m³/hr)</td>
<td></td>
<td>0.5 - 1</td>
<td>1 - 2</td>
<td>2 - 4</td>
<td>4 - 8</td>
<td>8 - 12</td>
</tr>
<tr>
<td>Reaction tank volume (L)</td>
<td></td>
<td>300</td>
<td>600</td>
<td>1,200</td>
<td>1,800</td>
<td>3,000</td>
</tr>
<tr>
<td>Coagulation tank volume (L)</td>
<td></td>
<td>200</td>
<td>400</td>
<td>800</td>
<td>1,000</td>
<td>1,500</td>
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<tr>
<td>Sedimentation tank volume (m³)</td>
<td></td>
<td>1.4</td>
<td>3.1</td>
<td>5.6</td>
<td>12.0</td>
<td>18.0</td>
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<tr>
<td>Electric power (kW)</td>
<td></td>
<td>0.7</td>
<td>1.1</td>
<td>1.6</td>
<td>2.1</td>
<td>2.9</td>
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<tr>
<td>Equipment weigh (t)</td>
<td></td>
<td>1.3</td>
<td>2.0</td>
<td>2.8</td>
<td>5.4</td>
<td>7.0</td>
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<tr>
<td>Operation weigh (t)</td>
<td></td>
<td>3.7</td>
<td>7.2</td>
<td>12.4</td>
<td>24.0</td>
<td>34.2</td>
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</tbody>
</table>

- 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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