

SLUDGE THICKENER



The Innovative Thickening System



Our Technology Ensure You A Better Water Quality



钻 机 械 工 程 有 限 公 司

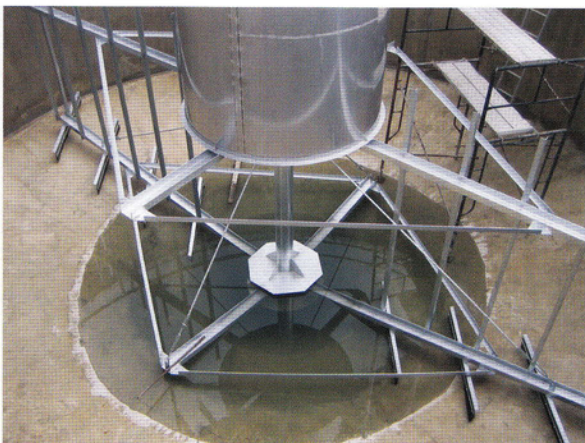
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CH SLUDGE THICKENER (CH-T Series)

Gravity thickening is accomplished in circular sedimentation basin similar to those used for primary and secondary clarification of liquid wastes. Solid coming to the thickener separate into three distinct zones. The top layer is relatively clear liquid. The next layer is the sedimentation zone, which usually contains a stream of denser sludge moving from the effluent end toward the thickening zone. In the thickening zone the individual particles of the sludge agglomerate. A sludge blanket is maintained in this zone where the mass of the sludge is compressed by material, continuously added to the top. Water is squeezed out of interstitial spaces and flow upward to the channels. Deep trusses or vertical pickets are provided to gently stir the sludge blanket and move the gases and liquid toward the surface.



Sludge Thickener is the simplest and least expensive process for consolidating waste sludge. Thickeners in sewage treatment plant are employed successfully in consolidating primary sludge separately or in combination with trickling-filter humus. When raw primary and waste-activated sludge are blended & concentrated, results are often marginal because of poor solids capture. Water treatment wastes from both sedimentation & filter backwashing can be compacted effectively by gravity separation.

CH Sludge Thickener is a "Gravity Thickening Type" thickener. CH Sludge Thickener is fabricated of hot dip galvanized iron or Stainless Steel SUS304. CH Sludge Thickeners are generally circular concrete tanks with bottoms sloping toward the center. The equipment includes:

1. Rotating bottom scraper arm
2. Picket fences
3. Center well
4. Overflow weir

ADVANTAGES:

High quality
Quick delivery
More durable
Good after sales support
Low maintenance cost
Low capital cost

