

PHOENIX HiFlo[™] High-Rate Thickener

The PHOENIX HiFlo[™] Thickener clarifies the water while it thickens the slurry from a wash plant to 40-45% solids, greatly reducing the volume going to the slurry pond. For complete elimination of the slurry pond, a PHOENIX Belt Filter Press or Recessed Chamber Filter Press may be added to dewater the thickened slurry either initially or at a later date.



Choose from several standard sizes & custom configurations including bolt-together tank, flat bottom, elevated tank, rake lift and embeeded stave.

We're All About The Process



On-site field demonstrations available. Contact PHOENIX at 502-499-6198.





UNDERFLOW

- » Rapid separation of high flow rates with optimum flocculation
- » Robust construction, self-diluting feedwell and slurry deaeration tank
- » Enhanced polymer injection systems
- » Highly adaptable to process fluctuations
- » Smaller footprint makes indoor installations practical
- » High solids transport efficiency
- » Rake lifts available

Slurry is pumped through a deaeration tank into the feed pipe, where polymer is introduced to obtain proper flocculation. The feedwell design enhances separation of liquids and solids. Particles move at random through the settling zone, providing additional agglomeration and accelerated settling. Rakes aid in compactions while moving solids to the discharge cone. The bed level sensor measures the clearly defined interface between the settling zone and the clarified liquid. The overflow water is clean enough for use in the wash plant or as belt wash water for a belt filter press.



Contact PHOENIX at 502-499-6198 for complete systems tailored to your requirements including: Classification, Separation, Scrubbing, Effluent Treatment, Water Recovery, Fines and Tailings Dewatering & Disposal.

Authorized representative:



