



## PHOENIX AltaFlo™ Ultra High-Rate Thickener

The PHOENIX AltaFlo™ Thickener is a rake-less thickener that provides ultra high-rate mixing, flocculation and internal dilution followed by clarification and positive sludge collection and removal in a single tank.

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 initially or at a later date.

PHOENIX Model AF  
AltaFlo™ Ultra High-Rate Thickener

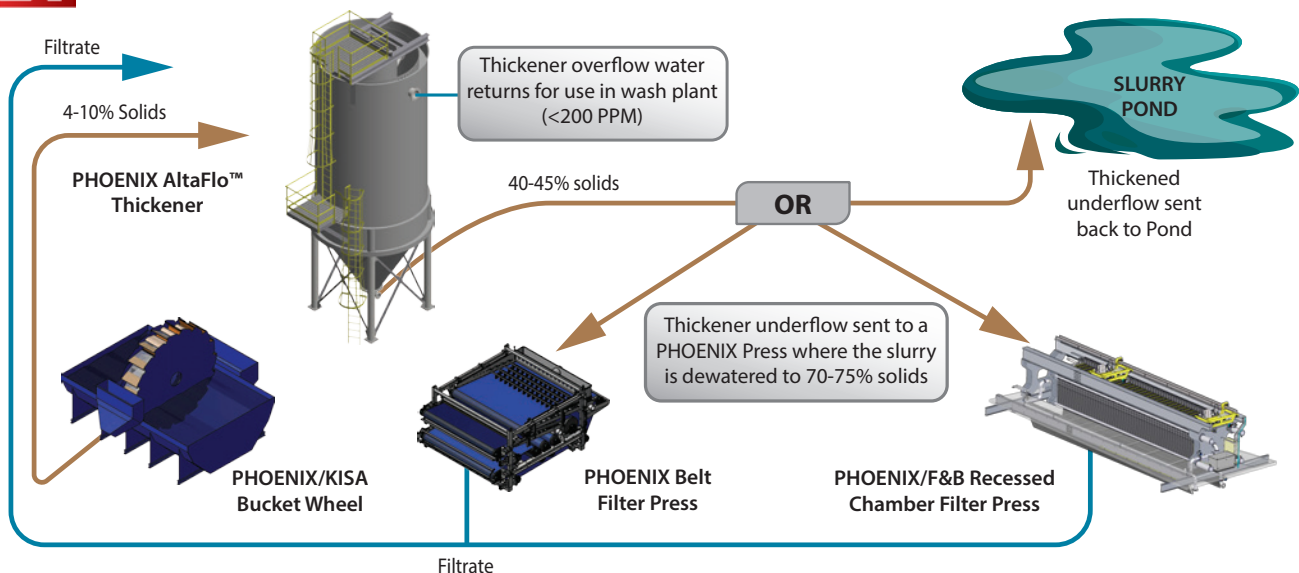


Available in several sizes,  
general or seismic design and options including  
local control panel, bed level sensor and pressure transmitter.

**We're All About  
The Process**



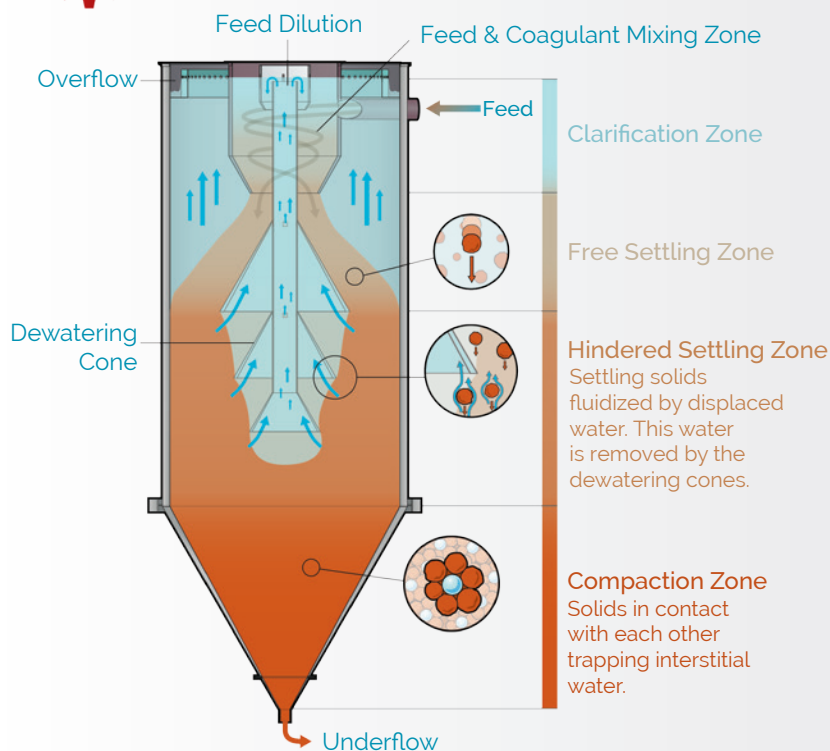
### APPLICATIONS



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



## FEATURES & BENEFITS



- » Low installed cost for minimal capital investment
- » Internal dilution & settling zone provides optimum, efficient flocculation
- » Small footprint requires little space and provides lower installation cost
- » Consistently thick underflow
- » Rake-less design with no moving parts
- » No mechanical maintenance
- » Reduced pond storage area

The PHOENIX AltaFlo™ Ultra High-Rate Thickener uses unique internal geometry, a deep sidewall and steep conical bottom to achieve underflow concentration comparable or better than a traditional raked thickener. The thickener uses internal dilution to help optimize flocculation and a deep free settling zone and conical feed well results in maximum flocculation. Even with a small diameter, the amount of flocculent required is generally no more than a typical high rate thickener.



**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:

