

# AltaFlo™

Ultra High-Rate Thickener



**WestTech®**

 **SWIRE WATER**

# AltaFlo™ Ultra High-Rate Thickener



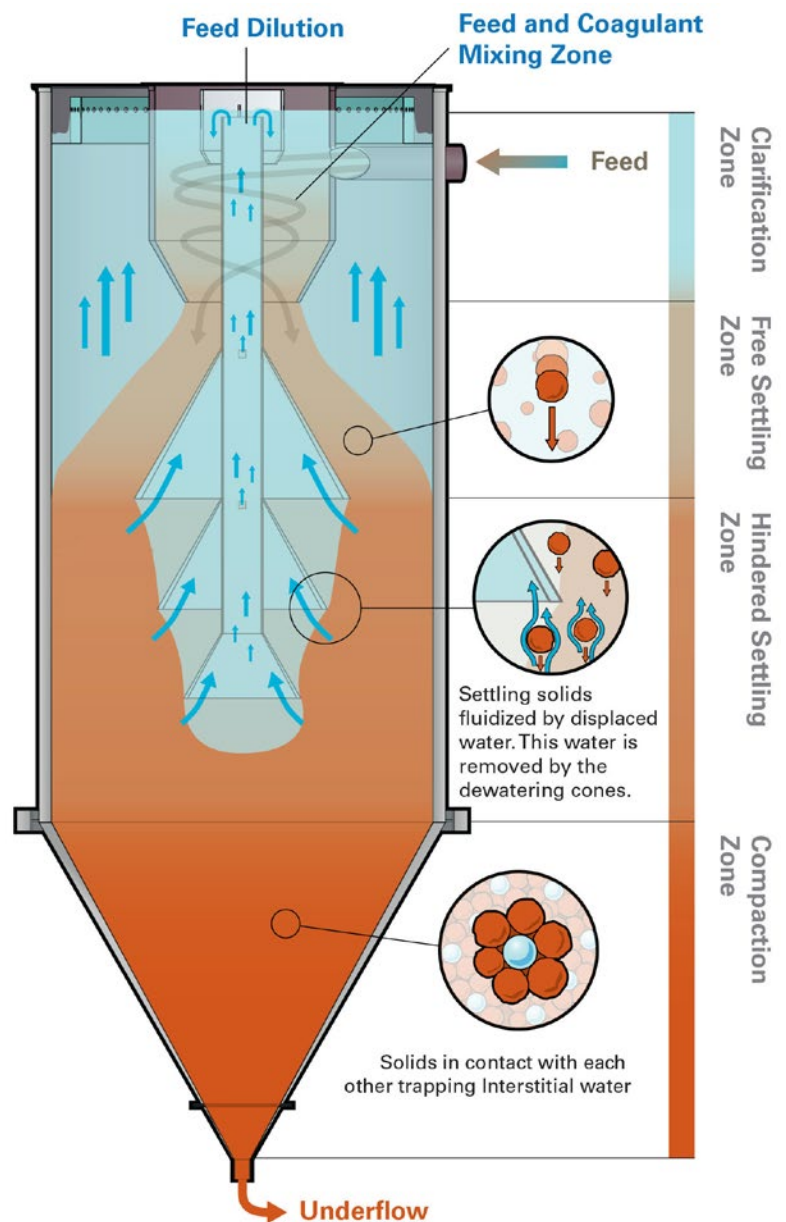
The AltaFlo™ ultra high-rate thickener is a rake-less thickener that provides mixing, flocculation and internal dilution, followed by clarification and positive sludge collection and removal, all in a single tank. The principles of dewatering have been further optimized to a new design that thickens slurries at an even higher rate than a typical high-rate thickener.

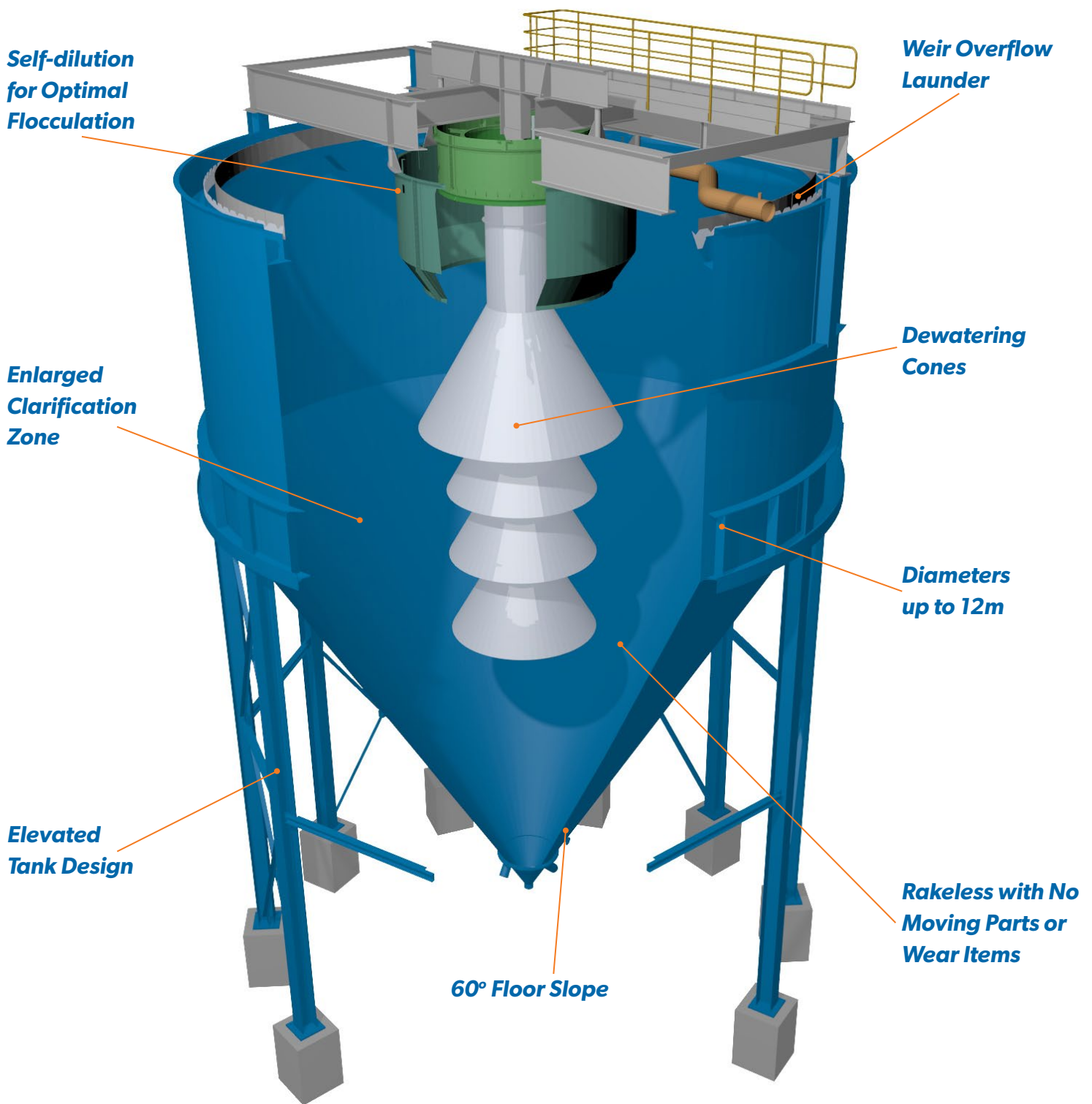
## Why Choose an AltaFlo™?

The AltaFlo™ ultra high-rate thickener provides the highest throughput per square meter of any thickener on the market. With excellent overflow clarity and underflow density similar to or better than conventional high-rate thickeners, the AltaFlo™ has a unique place in the market. The small footprint makes it an excellent choice when space is at a premium. AltaFlo™ ultra high-rate thickeners perform well as tailings thickeners, in CCD circuits, as concentrate thickeners, and in leaching circuits. The low CAPEX economics of an AltaFlo™ also make it a perfect solution for dewatering non-profit streams.

The heart of any thickener or clarifier is the feedwell. The AltaFlo™ utilizes the latest feedwell designs to ensure optimal flocculation of the solids. This, combined with its unique dewatering cones, provides the extraordinarily high throughput of the AltaFlo™. The innovative dewatering cones system provides rapid removal of water from the settling and compaction zone of the thickener. The AltaFlo™ operates with typically the same flocculant consumption as compared to a high-rate thickener processing the same material.

Contact WesTech to find out more about why the AltaFlo™ may be a perfect fit for your plant.

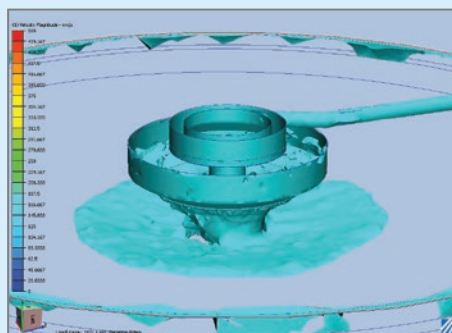




## EvenFlo™ Feedwell

### Optional Feedwell to Maximize Performance

A properly designed feedwell should provide energy dissipation as well as even distribution of the feed into the thickener. WesTech's EvenFlo™ design consists of a two-part feedwell system. An inner chamber converts the feed energy into a concentric radial flow for optimal mixing of flocculent and solids in all areas of the main chamber. The main feedwell chamber then evenly distributes the feed into the sedimentation zone of the thickener.



WesTech's EvenFlo™ Feedwell provides optimal flocculation conditions and even distribution of solids in the thickener.





**WESTECH**<sup>®</sup>



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