

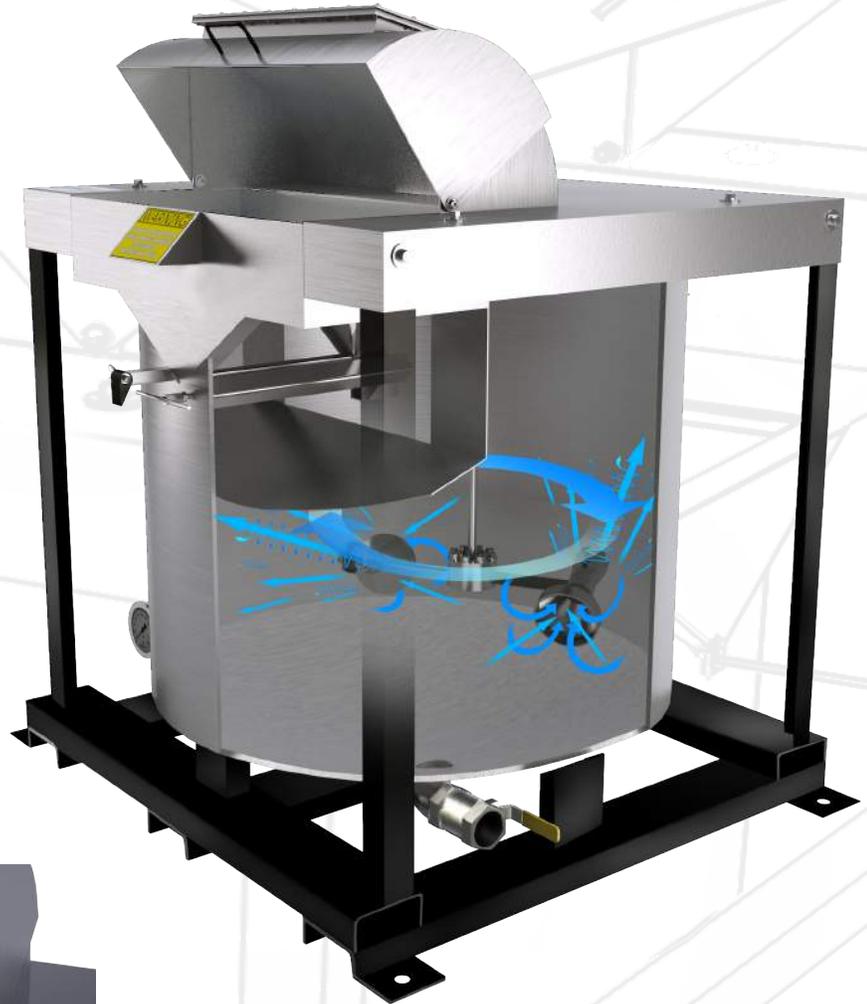
SAFECEM Mixing Tank

A Better Choice for Mixing

Features and Benefits

- Uniformly mixes and blends liquids with varying viscosities
- Dissolves polymers and caustics rapidly
- Emulsifies multiple liquids
- Air or electric motor drive
- Less horsepower requirement
- Suspends solids in a liquid medium

SAFECEM Mixing Tank features safety first, with a hinged closed hood and sight glass. The bags are placed on a conveyor to slide them across a bag slitter that opens the bags without product loss. Bag slitters are available with a manual star slitter or pneumatic style slitter. **SAFECEM Mixing Tank** features a Conical Induction Agitator that will quickly dissolve caustic soda and dispense other powdered additives.



The Conical Induction Mixer

The **Conical Induction Mixer** is in a class of its own. The two mixing elements perform on the Airfoil/Bernoulli Principle "when velocity is high, pressure is low; inversely, when pressure is high, velocity is low".

As the Conical Induction Mixing Elements rotate around a center axis, the liquid or slurry is drawn into each lone element. The velocity increases as it passes through the Cone Venturi, generating a high velocity that produces a low pressure in the surrounding liquid. The generated low pressure region introduces more liquid through the Cone Mixing Elements.

The Venturi effect in high viscosity slurries translates into a reduction in horsepower requirement.



Compatible Components Corporation

Website: www.cccmix.com • Email: sales@cccmix.com

Telephone: 713-688-2008 • Fax: 713-688-2993

Address: 1234 North Post Oak Rd., Suite 100 Houston, TX 77055

Patent No. 8,876,369



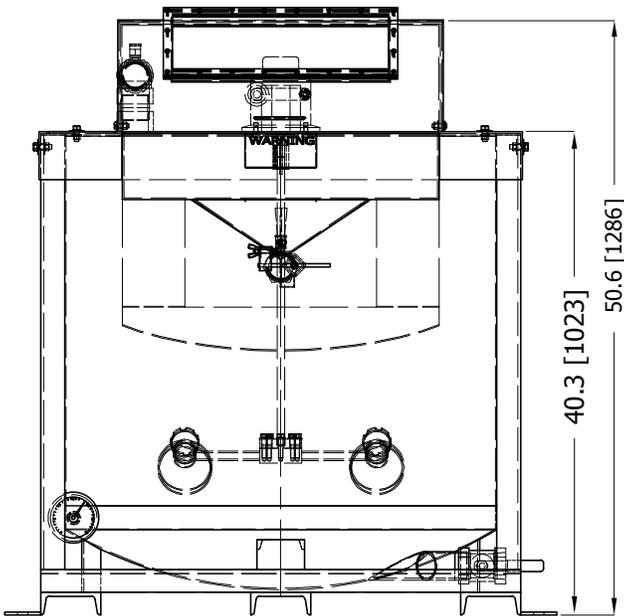
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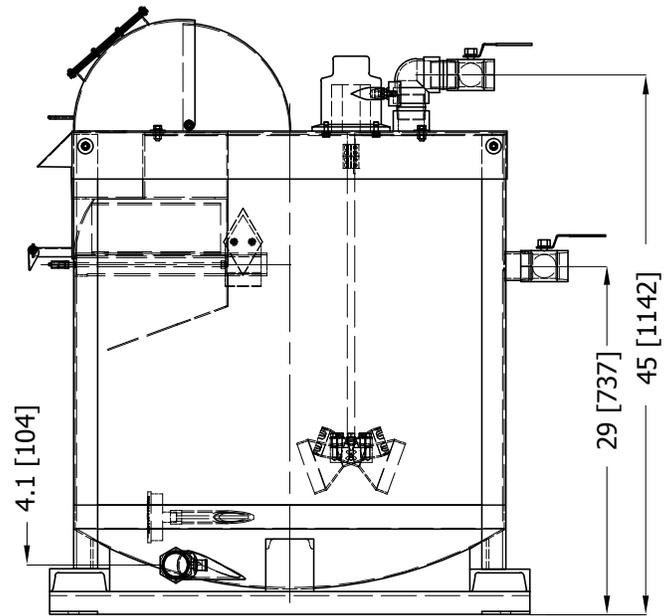
Electric or air consumption requirements are 1/3 less than with conventional turbine type agitators.

The Conical Induction Mixer is a new and novel innovation in batch mixing. The conical mixing elements can be utilized in small or large batches with a broad range of viscosities. The Conical Induction Mixer does not fit in the category of impeller type agitators.

Combining the new mixing technology with the safety features of the **SAFECEM Mixing Tank** provides an easy means to mix caustic soda, polymers and dispersion with fast action dissolution.



FRONT VIEW



SIDE VIEW

Capacities available:

100 Gal. Net wt- 580 lbs. (263 Kg)

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