Palm Oil Storage

Mixtec have installed thousands of side entry mixers for the storage tank of vegetable oil, fatty acid and bio-diesel. For tank capacity from below 100 m³ up to 10,000 m³, Mixtec Series 5000 mixer blends the tank liquid to maintained homogeneity. Rate of heat transfer and temperature control of the process is improved by uniform flow and turbulence generated from the side entry mixer.

Petroleum Oil Storage Tank

Side entry mixers are required to control or prevent the accumulation of bottom sludge and water pocket of crude oil tank. It is also commonly used for blending of oil refinery products such as fuel oil, gas oil, kerosene, asphalt, etc. Multiple side entry mixers are installed for big capacity tank to improve the blending of petroleum products.

Pulp & Paper

Special attention is required to ensure that the stock is correctly mixed. To ensure maximum process efficiency, our application engineers, aided by computer programming are practiced in the complicated calculations required to suit paper and pulp duties.

Milk Storage

Mixtec side entry mixer, used in both horizontal and vertical tanks, of capacities from 2000 litres to 200 cubic metres, provide low shear high flow rate mixing to ensure that the required duty is performed without damaged to the milk.

Wine

Mixtec side entry mixer is manufactured to the most hygienic standards and the Mixtec range caters for tank capacities from 2 - 1000 m³.

Sugar

Applications for Mixtec 5000 series not only include conventional sugar syrup and sugar dissolution but have also been applied in suspension of fruit particles, achieved using the HA/03 high flow low shear impeller, where low tip speeds are required, and special precautions need to be taken to ensure that air is not introduced into the system.

Other Blending Applications

Our experience includes the blending, using side entry mixer, of vegetable oils for the manufacture of margarine, soap, edible oils, shortenings, (including the blending of coconut oil, cotton seeds, corn oil and soya bean), as well as pharmaceutical, brewing, distilling and cosmetic applications for tank capacities up to 400 m³.
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