

SIDE ENTRY MIXERS

When considering whether to install a top a side entry mixed on a large blending tank, such as petroleum librication oils, fuel and vegetable oils, the process engineer should carefully select the equipment requires to perform the duty for example, a top entry mixed requires a large short and large heavy impeties combined with a suitable heavy duty gentox to carry the forces generated when mixing, it does requires a mounting structure to carry this cardinant mass on the tank top, in-lank structures, the anti-valexing baffles, are normally required. Maintenance and access patients have to be constructed as well. All these tactors and algorithm to make the top any mixer expensive to itself it has take entry mixer, however, operates close to the bottom of the tank with a shorter, lighter shart. The impetier is smaller and being positioned near to the bottom of the tank with a shorter, lighter shart. The impetier is smaller and being positioned near to the bottom of the tank with a shorter, lighter shart. The impetier is smaller and being positioned near to the bottom of the tank with a shorter, lighter shart. The impetier is smaller and being positioned near to the bottom of the tank with a shorter, lighter shart. The impetier is smaller and being positioned near to the bottom of the tank as a statistic manifole, mounting costs can be kept to a minimum and by conceity of unstallation and maintenance by the positioning the heat mother to increations.

entry mixer designs and we advise you on your best method in large tanks.

HYDROBLADE IMPELLERS

power consumptions. They out-perform assisting marine-type props. by 25 to 50%. Impelier technology is constantly improving-Mixtac's constant research and development will ensure you, the Hydroblade impellers are the very latest generation of hydrotoli impellers which maximize flow rates and lower power consumptions. They out-perform productivity. Both impeller and shafting are available in various steels material to suit your application. customer, get the maximum benefits in operational efficiency and plant

SERIES 5000

GEAR DRIVE

SHUT-OFF DEVICE

Mixtec use the world renowned branded speed reducer as our standard drive which provides high efficiency performance and low maintenance cost. Replacement parts are readily available locally. All Mixtec gear drive is selected based on minimum service factor of 20 which is exceeding the AGMA standard

The seal shut-off device allows for seal to be Isolated from the tank and removed for repair or replacement. This feature reduces downtime and ncrease productivity.

requirement

SERIES 5500

The simple compact design of the Mixtee Series 5500 side entry mixer combines light mass with structural rigidity. This compact design reduces the bending moment on the tank thus eliminating the need for any further support structures, however, stould additional support is

light gauge tanks, this can be provided by the load of gauporist. The one plece housing also ensures maximum shot concentrally which improves seal life.

1. High quality bearing which are positioned close to the seal housing to ensured the minimum shaft deflection.

 The one-piece housing reduces machining concentricity to a minimum, again providing minimum run-out for the shaft and ensuring maximum seal life. A large output shaft provides additional rigidity thereby, again, reducing

4. The shut-off device also acts as a filinger which maintains liquid flow around the seal taking away heat a and preventing the build-up of solids.

QUALITY ASSURANCE

It is pointless designing the best possible mixer if it is not backed by the best possible manufacturing techniques. The Mixec Series 5000, IIIIe all Mixec equipment, is manufactured to the highest industrial standards.

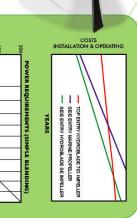
EXPERIENCE

One of the most important considerations when buying a side entry maker is knowing that it will do the job - and carry on doing it for a long time - others talk about it. we guarantee it. The experience of our application engineers ensures the correct design to do the duty you have specified. The design features and methods of construction will ensure it keeps on doing it. Each unit comes with a double guarantee. We guarantee that it will do the job and we guarantee it will keep on doing it.

RESEARCH & DEVELOPMENT

Mittee have a constant research and development programme which assures you have the best possible combination aftechnology and price.

Value for money is the basis of this programme, and our aim is to confinue to find better and more cost effective methods of mixing and manufacture.



TANK CAPACITY (m3)

Motors are rated from 'HP-150 HP units. IP 55 TEC 4 pole motors are fitted, which are hose proof from any direction as standard. Other motor enclosures are also available to suit the required duty. MOTORS

Single / Double mechanical seal or packed gland are available. Mixtac side entity mixets are equipped with mechanical seal supplied by the world's leading seal assign facilities. Plesel cartifage seal design facilities easy installation and mainle nance.

SEALING

DUTIES

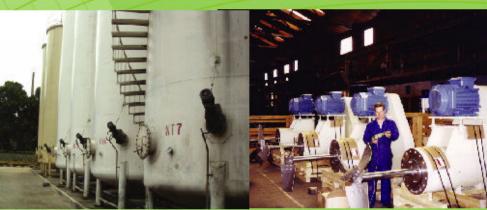
PALM OIL STORAGE

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 10000 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, asphalts, 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 m.

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 HA703 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 400m3.





FOR MIXING TECHNOLOGY

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