







# TOP ENTRY AGITATORS

Top entry mixers usually referred to as “agitators” are widely used across the industry spectrum and are the preferred choice for batch, continuous and semi-continuous stirred tanks.

**Different Sealing Types Offered Include :** Open Tank | Gland Packing | Lip Seal | Vapour Seal | Single Seal | Double Seal | Magnetic Seal

**Material of Construction :** Stainless Steel | Inconel | Monel | Hastelloy | Duplex Steel | Titanium | CarbonSteel with lining or without lining (Rubber lining, FRP, PVDF, PTFE, Halar etc)

**Applications :** Chemical | Minerals & Metals | Paints, Resins & Inks | Pharma & Biotech | Food & Beverages | Sugar | WWTP

<b>0.37-450</b>	<b>20-500</b>	<b>Designed upto 100 bar</b>	<b>Upto 30m</b>

The most standard configuration of an agitator includes a prime mover i.e. motor connected to a gear reducer to impart the appropriate torque required. The agitator shaft connecting the motor and gear unit into the vessel is usually isolated by use of a variety of paints arrangement. The type of sealing arrangement is again driven by the nature of fluid and the desired level of isolation needed for plant and process safety. The shaft inside the tank will normally have one or more stages of impellers to impart motion to the fluid. The choice of **impeller(s)** and its speed of rotation is again made by an application engineer based on the process need. The mechanical components such as bearings, shaft size, couplings, etc. are then selected to ensure smooth functioning. MIXION-TEMI could vary from one to other based on different sealing configuration, the material of constructions and some of them could even be direct motor-driven instead of the gear reducer. Mostly these agitators are mounted vertical and in the centre of the tank. However, based on process need, these could be mounted off-centre or inclined or both.