

TURBINE MIXERS FOR INDUSTRY...

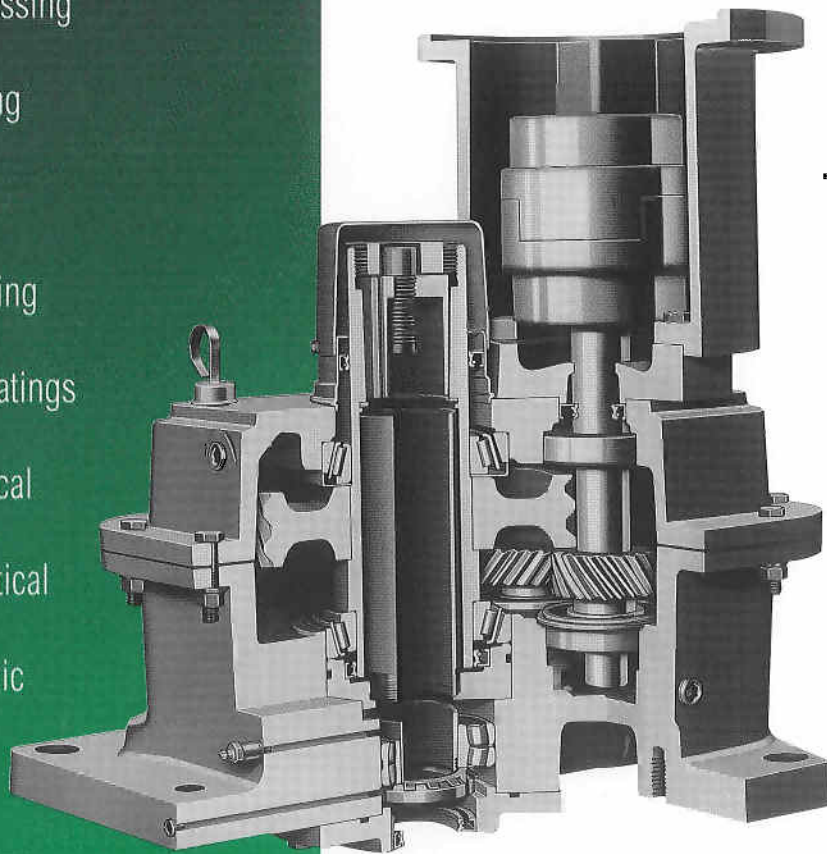
Drive Series N



Agriculture
Biochemical
Brewing & Distilling
Chemical
Cosmetic
Explosives
Food Processing
Heat Treating
Mining
Oil & Refining
Paint & Coatings
Petrochemical
Pharmaceutical
Photographic
Plastics
Pulp & Paper
Rubber Products
Textile
Waste Treatment
Water Treatment

TURBINE MIXERS

Turbines mixers are used in a wide spectrum of applications including simple blending as well as viscous blending. They are well suited for applications which are controlled by tank circulation such as solids suspension, and heat transfer. They are frequently used in applications requiring fluid shear and mass transfer, for example; gas absorption, dissolution, crystallization and various reactions. MixMor designs the optimum energy-efficient mixer for every application while providing the level of performance necessary to do the job effectively.



THE DRIVE

The N Series is a double reduction, all helical drive designed for high efficiency and maximum load carrying capacity with reserve strength rating. The hollow shaft is available with an optional alloy-steel stub shaft and coupling for easy connect/disconnect to mixer shaft.

Low speed shaft has dry well construction to eliminate the possibility of lubricant leakage.

Lubrication oil in the housing reservoir is automatically directed by splash to all bearings and gears with the exception of the output shaft bearings which are grease lubricated. Rugged cast iron housings are horizontally split to prevent lubricant through the joint.

Reducer output speeds range from 37 to 155 rpm with 1 to 25 horsepower motors. Design incorporates 'C' face motors which utilize flexible couplings.

IMPELLERS

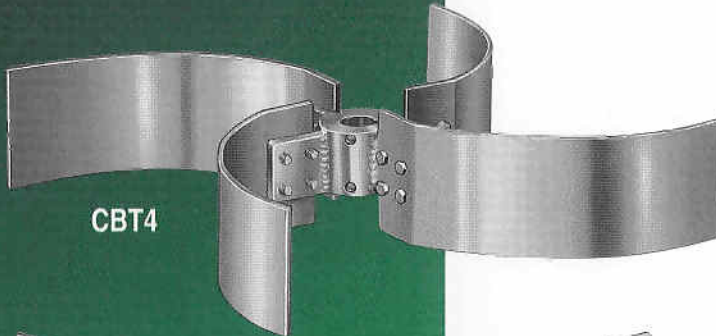
Mixing applications have different process requirements and that is why MixMor's engineers have such a complete selection of impellers - ranging from the time proven, conventional pitched blade turbine to the state-of-the-art FloMor high-efficiency hydrofoil impeller. MixMor has the optimum impeller for your application.



FM4

FLOMOR - FM3, FM4, FM4W

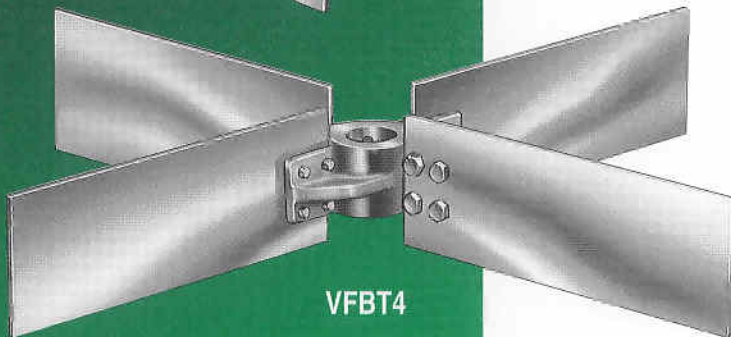
The FloMor is a true axial flow hydrofoil impeller producing one of the most efficient flow patterns with low power consumption and shear. Available in three, four and wide blade designs for applications up to 50,000 centipoise.



CBT4

CURVED BLADE TURBINE - CBT4

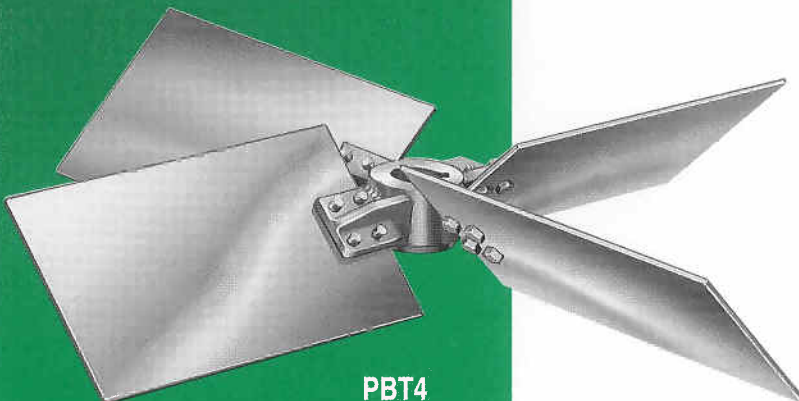
The curved blade turbine impeller produces a radial flow pattern with less shear and power consumption than a vertical flat blade turbine. It is used in applications such as heat transfer, high solids contents or low liquid levels.



VFBT4

VERTICAL FLAT BLADE TURBINE - VFBT4, VFBT6

The vertical flat blade impeller is a radial flow design used widely in low liquid levels or high shear applications with higher power consumption than axial flow impellers. Four and six blade designs are available.



PBT4

PITCHED BLADE TURBINE - PBT3, PBT4

This impeller produces an axial flow pattern with a balance of shear and pumping when viscosities, liquid levels or impeller size preclude the use of foils. It can be the most cost effective impeller for many applications. Designs incorporate three and four blades at 45° or 30° pitch.

RUSHTON TURBINE - FBDT4, FBDT6

The Rushton turbine impeller utilizes four or six vertical flat blades attached to a horizontal disk. It is typically used in conjunction with a sparge ring for gas dispersion applications.

CUSTOM IMPELLERS

In addition to our diverse selection of standard impellers, MixMor can design custom impellers that will solve your toughest mixing problems.

