

**CLEVELAND
MIXER**
EST. 1940

CLEVELAND MIXER
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Clinton, CT 06413

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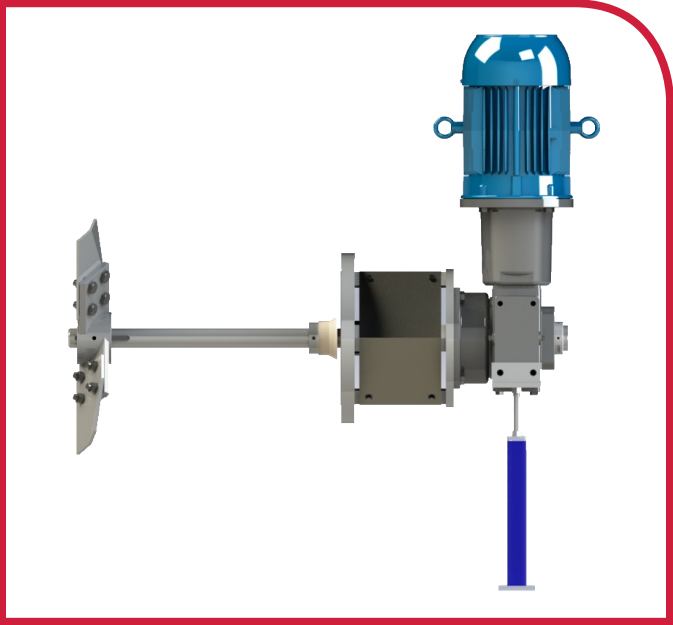
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XTRAFLO™ SIDE ENTRY MIXER

SXT SERIES

- » **OPTIMIZED** for low headroom, low viscosity mixing applications.
- » **DESIGNED** for use with 10,000 to 150,000 gallon applications.
- » **SHUT-OFF VALVE** for ensuring process safety and ease of maintenance.



DURABLE, HIGH-PERFORMING

Side-entering mixers work efficiently where a tank is too large for convenient installation of a top-entering mixer, or where headroom is severely limited. Side entry mixers are less expensive than top entry mixers in large tank installations because the long shafts required by extremely tall tanks are eliminated.

In the case of very large tanks, several smaller side entry mixers may be more efficient and economical than a single, larger unit.

High performance shut-off valve with ancillary piping allows mixer to be maintained with the need to drain the tank.

All models feature your choice of wetted end materials and the high efficiency XTF-3 hydrofoil impeller for maximum flow with minimal power consumption. Impellers are optimally selected per application.

SECURE SEALS, SHUT-OFF VALVES

Shaft seal options include stuffing box with spring-loaded lubricator and single split mechanical seals—including bellows seals. Both include shut-off feature.

QUIET, COST-EFFECTIVE OPERATION

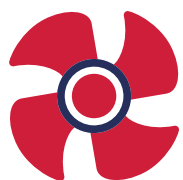
An optimum mixing speed is achieved with one-stage worm gearing. This results in fewer bearings, seals and other spare parts. The involute helicoid gear form has manufacturing repeatability, eliminating the need for matched gear sets. This allows lower parts costs, spares requirements, and simplified repair procedures.

EASY TO INSTALL

Installs using pipe leg or tie rod outboard supports. Installation drawings are provided with each order.

GEAR DRIVE DURABILITY

The SXT Series is ideal for process applications involving continuous blending, heat transfer, mass transfer, or solids suspension. It provides cost effective agitation of medium to low viscosity fluids in large storage tanks.



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Quiet operation: a precision ground worm gear provides multiple tooth sliding contact for smooth transmission of power below typical OSHA dB noise specifications.

Gear Reducers have a minimum service factor of 1.5 and efficiencies of 90-91%

Easy to install: C-face motors, hollow bore low speed shaft coupling from gear reducer and flange mounting. Oversized A-Frame flange support reduces fatigue on tank nozzle and simpler to install than tie rod supports.

Shafts and bearings offer excellent overhung load capability

An impeller especially designed for side entry applications is the standard high efficiency Hydrofoil design (XTF-3R produced for maximum flow and low power consumption).

Shaft seal options include stuffing box with spring-loaded lubricator and single split mechanical seals. Both include an in tank shut-off feature and in board bearing located shaft bearing.

Horsepower range from 2 to 15HP

Motors are standard NEMA design B, 1750RPM, C-faced motors, TEFC and XP

Lowest first cost and low maintenance cost: an optimum mixing speed is achieved with one-stage worm gearing.

Why choose Cleveland Mixer for all your fluid process applications?

- » **APPLICATION ENGINEERING**—your process goals are our top priority
- » **DESIGN FLEXIBILITY**—let our engineering team create solutions for you
- » **INDUSTRY LEADING DURABILITY** and 3 year guarantee

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