Rotosolver® RXRS

High Shear Marinade and Brine Mixer

Admix introduces the NEW Rotosolver model RXRS designed specifically for Meat & Poultry processors

DRASTIC REDUCTION IN ENERGY CONSUMPTION
Lower RPM and kW than any shear mixer currently used in the meat & poultry industry

NEW SIMPLIFIED, SEALED DRIVE ASSEMBLY
Today's tougher washdown requirements demand a streamlined design providing simpler maintenance and reduced downtime

LOWER OVERALL COST OF OWNERSHIP AND REDUCED DOWNTIME

CLEAN-IN-PLACE CAPABILITY
Single shaft design and no wearing parts in the product zone

THE ADMIX ADVANTAGE:

The new RXRS is the ultimate cost-effective mixer combining the proven high shear mixing technology of the Rotosolver with a low maintenance bearing frame design. The RXRS was designed to provide meat & poultry processors with a lower overall cost of ownership, improved process results and reduced downtime.

IMPROVED PROCESS RESULTS
Larger impellers offer a significant increase in flow over other high shear mixers for today's thicker marinades

LOWER POWER CONSUMPTION
Ultimate energy saving Rotosolver II technology

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Rotosolver® RXRS High Shear Marinade and Brine Mixer

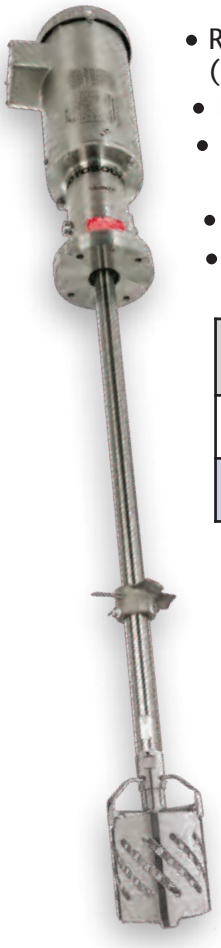
Rotosolver technology has been well known as an industry leader since 1993 in the preparation of poultry marinade and meat brines leading the way to help processors maximize yield and ensure 100% functionality of their ingredients. With the development of the RXRS series, we implemented our new, patent pending, Rotosolver II impeller combined with high efficiency features that include:

- 70% lower energy consumption
- Improved impeller designs
- 1750 RPM instead of typical 3450 RPM motors
- Drastically improved Washdown capabilities
- Simplified bearing frame design

What does that mean to your process?

- RXRS models provide over double the total flow when compared to standard Rotosolver models
- 70% lower energy consumption and 74% heat input for lower electricity costs but
- Cold temperatures can be quickly introduced into process.
- 38% more shear capability with all the addition being through hydraulic shear
- Better drawdown of floating powders
- Increase velocity low in the vessel to avoid settling and ensure complete incorporation of the heaviest phosphates, salts and sweeteners
- Reduced batch times

What does that mean to your maintenance and budget?



- Reduce mixer maintenance & downtime with lower speed (1750 RPM) and a simplified bearing frame design
- Faster turnaround in the maintenance shop
- Easily removable shafts eliminating tapers and complicated couplings
- Less stringent shaft straightness tolerances
- 26% reduction in average operation cost

Maximum Tank liters	Model #	Std. Shaft Length mm*	kW/RPM
380	125RXRS-150	915	1/1750
760	125RXRS-200	1.270	1,5/1750

*Custom shaft lengths available

Rotosolver II RXRS How and why it works

The Rotosolver II combines the shearing capabilities of a high speed toothed rotor and a slotted stator with the additional advantage of high flow / circulation from the dual rotor blades. This unique mixing head design provides a four-stage mixing action:

1. Product flow is drawn into the mixing head from above and below. As flow is drawn in, materials and powders pulled down from the top (typically the toughest to disperse) are immediately exposed to two (2) additional mechanical shear zones and one (1) new shear zone from the bottom. These materials are then immediately mechanically ripped by the teeth on the rotor's discharge at the top and bottom of the stator.

2. The two high-velocity, counter-current streams converge within the stator causing high turbulence and hydraulic shear, without momentum loss from obstructions within the stator.

3. Centrifugal pressure forces material to the periphery of the stator where it is subjected to further mechanical shear as material passes through the sharpened edges of the expanded slots in the stator.

4. The high velocity radial discharge combines with slower moving tank flow for additional hydraulic shear and circulation.

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