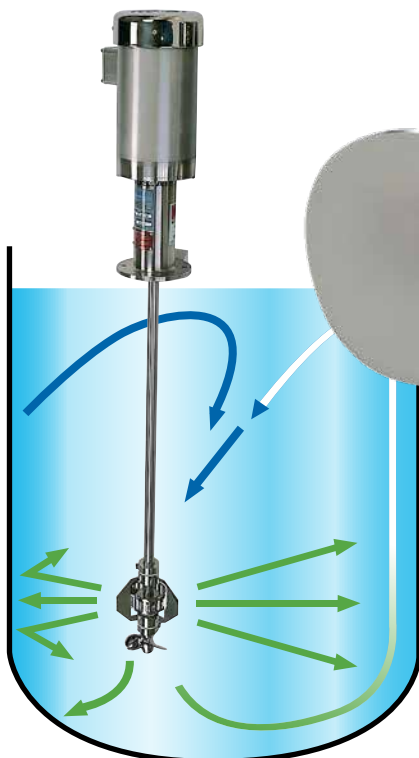


Unmatched Performance & Efficiency

No other rotor-stator mixer provides the optimum shear and pumping rates of the Rotostat. The multi action of the high speed rotor, unique revolving stator and the large lower prop dramatically reduces dispersion and overall mix time to less than 10 minutes for many applications. This combination of mix heads results in lower power consumption and 100% product uniformity throughout the batch. Process viscosity can range from waterlike to over 50,000 cps without requiring auxiliary agitation.

Give your process a boost

- 100% lump free dispersion, hydration and emulsification
- Superb emulsion stability for extended shelf life
- Deagglomerate soft and hard particles within 60 seconds
- Easy and accurate scale up from benchtop to any production size model with our exclusive Mighty Mix™ parameters



◀ **Flow pattern:**
Blue arrows = flow
into the mixing head
Green arrows = expulsion
from the mixing head



Rotostat Sanitary Features from Top to Bottom

The Rotostat single shaft design eliminates guide bars to hold the stator. The entire mixing head can be dismantled, separated and rinsed out within a few minutes, or can be cleaned in place. Other features include:



← Stainless Steel Motors and Speed Controllers

Three grades of all stainless steel motors, including end bells, are available up to 50 HP. Units are also available in an epoxy-coated washdown design. Plus a full line of AC speed controllers is also available with stainless washdown enclosures.

← Stainless Bearing Supports

Most models feature bearing frames machined from 316SS, with stainless steel internal components for maximum protection and durability. All bearings are sealed and the output of the frame is double sealed.

← The Only Detachable Shaft Rotor/Stator Emulsifier

With an optional detachable shaft coupling below the mounting flange, inspection and servicing of the rotor/stator head is easy. This is especially useful where shaft lengths are long or where access to the mixing head is difficult. In addition, low headroom installations are easily accommodated when combined with our low profile belt drive model.

← Optimize Your Process

The unique patented revolving stator when combined with the close clearance rotor and high efficiency lower propeller optimizes shear rates, pumping rates and particle size reduction. The rotors, stators and props are interchangeable for maximum flexibility, and the unit will never overshear sensitive materials or formulas.

Options to Fit Every Processing Need

- ✓ Sanitary in-tank couplings and a choice of gas or flush mechanical seals are exclusive Rotostat options.
- ✓ Models through 10 HP are available with all stainless mobile or wall lift stands.
- ✓ Exclusive low profile belt drive arrangement for low headroom applications.
- ✓ Washdown epoxy frames and motors available.
- ✓ Benchtop lab models allow precision scaling of all applications.
- ✓ Complete mix stations may include jacketed tanks, vacuum, or scrape surface.



ROTOSTAT XP Models

(For high solids & viscosity)

Selections shown based on 100 CPD viscosity

| MODEL | MAX. BATCH SIZE (GAL) | STD. HP | FLOW RATE (GPM) | MIXING HEAD DIA. (IN) | MAX. SHAFT LENGTH (IN) | APPROX. WEIGHT (LBS) |
|----------|-----------------------|---------|-----------------|-----------------------|------------------------|----------------------|
| 80XP63 | 60 | 15 | 410 | 5.1 | 32 | 75 |
| 80XP63 | 110 | 3 | 860 | 5.1 | 36 | 92 |
| 100XP81 | 250 | 5 | 1160 | 6.5 | 56 | 145 |
| 112XP94 | 400 | 7.5 | 1720 | 7.7 | 64 | 215 |
| 132XP124 | 600 | 7.5 | 2300 | 10.2 | 67 | 258 |
| 160XP148 | 1000 | 10 | 3490 | 12.6 | 92 | 350 |
| 280XP175 | 1500 | 20 | 5090 | 14.31 | 84 | 560 |
| 200XP200 | 2500 | 15 | 6010 | 16.5 | 102 | 710 |
| 225XP225 | 3500 | 25 | 7910 | 18.6 | 94 | 950 |
| 250XP250 | 5000 | 30 | 11,690 | 20.7 | 114 | 1210 |
| 280XP300 | 7500 | 40 | 14,060 | 24.8 | 128 | 1600 |
| 355XP300 | 10,000 | 50 | 19,140 | 24.8 | 135 | 1950 |

ROTOSTAT X Models

(For low to moderate viscosity emulsions)

Selections shown based on 100 CPD viscosity

| MODEL | MAX. BATCH SIZE (GAL) | STD. HP | FLOW RATE (GPM) | MIXING HEAD DIA. (IN) | MAX. SHAFT LENGTH (IN) | APPROX. WEIGHT (LBS) |
|---------|-----------------------|---------|-----------------|-----------------------|------------------------|----------------------|
| 80X63 | 30 | 1 | 2310 | 5.1 | 48 | 60 |
| 90X81 | 75 | 3 | 500 | 6.5 | 46 | 95 |
| 100X94 | 150 | 5 | 770 | 7.7 | 52 | 130 |
| 112X124 | 225 | 5 | 890 | 10.2 | 54 | 160 |
| 132X148 | 450 | 7.5 | 1520 | 12.6 | 62 | 245 |
| 160X175 | 750 | 15 | 2400 | 14.3 | 68 | 490 |
| 180X200 | 1000 | 10 | 2490 | 16.5 | 91 | 530 |
| 200X225 | 1500 | 15 | 3550 | 18.6 | 93 | 645 |
| 250X250 | 2500 | 25 | 4860 | 20.7 | 115 | 980 |
| 280X280 | 4000 | 30 | 630 | 24.8 | 128 | 1250 |
| 355X350 | 7000 | 50 | 10,010 | 29.0 | 140 | 1930 |
| 400X400 | 10,000 | 75 | 14,950 | 33.0 | 160 | 2850 |