

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 37.3 kW. 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 7.5 kW 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 (liters)	STD. kW	FLOW RATE (LPM)	MIXING HEAD DIA. (cm)	MAX. SHAFT LENGTH (cm)	APPROX. WEIGHT (kg)
80XP63	227	11.2	1552	13	81	34
80XP63	416	2.2	3254	13	91	42
100XP81	946	3.7	4390	16.5	142	66
112XP94	1514	5.6	6512	20	163	97
132XP124	2271	5.6	8706	26	170	117
160XP148	3785	7.5	13218	32	234	159
280XP175	5678	14.9	19266	36	213	254
200XP200	9464	11.2	22751	42	259	322
225XP225	13249	18.6	29936	47	239	431
250XP250	18927	22.4	44243	52	290	549
280XP300	28391	29.8	53218	63	325	726
355XP300	37854	37.3	72471	63	343	885

ROTOSTAT X Models

(For low to moderate viscosity emulsions)

Selections shown based on 100 CPD viscosity

MODEL	MAX. BATCH SIZE (liters)	STD. kW	FLOW RATE (LPM)	MIXING HEAD DIA. (cm)	MAX. SHAFT LENGTH (cm)	APPROX. WEIGHT (kg)
80X63	114	0.7	8741	13	122	27
90X81	284	2.2	1893	16.5	117	43
100X94	568	3.7	2913	20	132	59
112X124	851	3.7	3368	26	137	73
132X148	1703	5.6	5749	32	157	111
160X175	2839	11.2	9085	36	173	222
180X200	3785	7.5	9419	42	231	240
200X225	5678	11.2	13439	47	236	292
250X250	9464	18.6	18387	53	292	445
280X280	15142	22.4	2383	63	325	567
355X350	26498	37.3	37869	74	355	875
400X400	37854	56.0	56566	84	406	1293