

# Rotomixx® and Rotomaxx™

Specifications for the Pharmaceutical & Biotech Industries

## Drive Options

- Gearboxes and direct drive frames are 316 SS with all welds blended and 30 Ra or better finish as standard.

## Motor Options

- 304 stainless steel electric motors: a wide range is available, options within this family of motors:
  - Inverter duty up to 18:1 turndown
  - Body mounted, NEMA 4, digital, direct shaft speed readout, or
  - NEMA 7/9 internal proximity sensor for remote direct shaft speed readout feed
  - Up to Class 1, Div 2 ratings
  - Thermal protection through built-in overloads for added safety
  - TECAC (totally enclosed, compressed air cooled) for use in class 10,000 cleanrooms
  - 1 Phase & 3 Phase motors available through 2 HP
- 304 stainless steel air driven motors
- White epoxy coated, washdown duty and explosion proof motors

## RPM Readout

Direct shaft speed readout is available. This digital readout (dro) provides accurate agitator shaft speed measurement. There are several options:

- With the pharmaceutical grade motor, an internal proximity sensor can be installed to read actual motor shaft speed with DRO either on the unit or remotely mounted.
- On other motors, including explosion proof, an intrinsically safe, washdown duty proximity sensor can be installed to provide direct speed readout. This would require a remote DRO.

**GMP VALIDATION DOCUMENTATION  
PACKAGES TO SUIT YOUR  
REQUIREMENTS**

## Rotomaxx™



## Rotomixx®



## Performance

### Rotomixx®

- 1/2 - 2 HP, 350 & 1750 RPM
- Pumping Rates to 5,000 GPM
- Tank Volumes up to 3,000 gallons
- Viscosities up to 5,000 cps

### Rotomaxx™

- 1/2 - 3 HP, 30 - 350 RPM, High Torque
- Pumping Rates to 20,000 GPM
- Tank Volumes up to 10,000 gallons
- Viscosities up to 10,000 cps & higher

# Rotomixx® and Rotomaxx™

Specifications for the Pharmaceutical & Biotech Industries

## Controls

- Various Inverters
  - Depending on requirements, stand-alone inverters can be supplied from Baldor, Reliance, Allen Bradley, and TB Woods
- Complete Packages
  - Standard NEMA 4X (SS / washdown) packages with face mount keypads, direct shaft speed digital readout and E-Stop buttons
  - NEMA 7/9 Explosion proof packages available with either remote mount or in rated area mount units. For remote mount units, an in rated area operator's station can be provided.

## Mechanical Seals

A wide variety of mechanical seals are available. They include:

- Simple, FDA Viton lip seals for full vacuum or CIP applications
- Single mechanical, dry running seals for up to 400 RPM
- Double mechanical, flush type seals for up to 4,200 RPM
- Double mechanical, inert gas (instrument air or nitrogen) charged, non-contacting, non-shedding seals for up to 4,200 RPM. Gas regulation controls are also available.
- All mechanical seals are available with sanitary glands and steam purge options.

## In-Tank Options

- Sanitary, self-draining in-tank shaft couplings
- Various impeller options available (machined, not cast) to produce excellent results or to meet existing validation
- 316L SS as standard, other material options available, polishes to 10 Ra, electropolish and passivation

## Mounting Options

- Stainless steel fixed, clamp and mobile
- Within the fixed mount family, Tri-Clamp®, I-Line, ANSI, flange and angle riser designs

Tri-Clamp® is a registered trademark of Tri-Clover/Alfa Laval

---

Admix, Inc. offers a wide range of sanitary equipment to suit all your mixing, blending & particle size reduction needs whether you require **intank batch processing, inline mixing & milling or powder induction**. For information on any of our high speed dispersers, high shear emulsifiers, inline emulsifiers & wet mills, static blenders, low speed stainless batch mixers & vacuum conveying & powder induction mix stations, call us toll free at **1-800-466-2369** or visit us online at

**[www.admix.com](http://www.admix.com)**

Admix Incorporated / 144 Harvey Road/ Londonderry, NH 03053  
TEL: 800-466-2369 / 603-627-2340  
FAX: 603-627-2019  
[www.admix.com](http://www.admix.com)

