

HELISEM[®] Mixer Series

Increase
the efficiency
of your
process!



Water treatment | Chemical | Paints |
Pharmaceutical | Lubricants | Agriculture
and more



MILTON ROY
Mixing

Competitive Performance

Helisem® standard vertical mixer series

Main benefits:

- Energy savings up to 70%
- Easier, safer and less expensive to install
- The most competitive mixer series on the market

Areas of use:

- Operating volumes of 50 liters to 400 m³, 10 to 100,000 gallons
- Low, medium and high agitation
- Viscosity up to 1,000 cP
- Specific Gravity 1.3
- For any homogenization, dissolving, and blending operations

• Lower installed power (up to 80%) with optimized selection and impeller choice

• No maintenance required for numerous models during first 2-3 years of operation under normal operating conditions

• Robust shaft design with 50% fewer weldings

• HXP patented hydrofoil impeller, outperforms the PBT impeller (+40%)
• Reliable & safe shaft mounting



Committed to Environmentally Conscious Manufacturing (ECM)



VDA mixers

Impeller diameter	80 to 160 mm 3.1 to 6.3 inches
Rated power	0.25 to 1.5 kW 1/3 to 2 HP
Rotation speed	900, 1800 rpm

0.05 to 2 m³
10 to 500 gallons



VRP mixers

Impeller diameter	200 to 500 mm 7.9 to 19.7 inches
Rated power	0.18 to 0.37 kW 1/4 to 1/2 HP
Rotation speed	100 to 280 rpm

0,1 to 5 m³
25 to 1,300 gallons



VRH mixers

Impeller diameter	600 to 2350 mm 23.6 to 92.5 inches
Rated power	0,18 to 3 kW 1/4 to 5 HP
Rotation speed	16 to 76 rpm

2 to 100 m³
500 to 25,000 gallons



FRH mixers

Impeller diameter	400 to 3600 mm 15.7 to 142 inches
Rated power	0.12 to 1.1 kW 1/4 to 1 1/2 HP
Rotation speed	7.5 to 68 rpm

1 to 400 m³
250 to 100,000 gallons

Main features:

Standard series:

- 1 or 2 impellers
- Designed for 50 or 60 Hz power supply
- ATEX Zone 1 & 2 certified
- 316L stainless steel construction for wetted parts
- Quick to ship

Options*:

- Suitable for humid and tropical environments
- Variable rotation speed
- Base plate
- Coating for corrosive environments

*for any additional requirements contact your local representative.

MILTON ROY MIXING

Our commitment

- Value
- Reduced maintenance
- Increased efficiency
- After market support

Experienced Partners

- Application Experience
- Simulations with Computational Fluid Dynamics (CFD)
- Detailed reporting
- Pilot testing

Customer Support

- Local start-up support
- On-site employee training
- Application expertise
- Decades of experience



Protecting the environment

- Optimizing energy consumption
- Reducing the use of chemical additives
- Recyclability and Eco-Design
- Reduced maintenance

Trusted Partner

As a trusted partner, Milton Roy Mixing is committed to quality, safety and providing value to our customers.

Global Expertise

With more than 100 years of mixing expertise around the globe, Milton Roy will provide the optimum mixing performance for your application wherever you are.

Our products comply with the highest quality standards: **ISO 9001, ISO 14 001, ISO 29001, OHSAS, TRCU and ATEX**, etc...

Milton Roy's global experience is supported by our local channel partners to provide the most responsive support to your mixing process.

Ethical behavior

Milton Roy's Ethical Code of behavior is an expression of fundamental values that represent a framework for decision-making and respect for our customers, channel partners, and employees.

Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is committed to helping make life better. We provide innovative and mission-critical industrial, energy, medical and specialty vehicle products and services across 40+ respected brands designed to excel in even the most complex and harsh conditions where downtime is especially costly. Our employees connect to customers for life by delivering proven expertise, productivity and efficiency improvements. For more information, visit www.IRCO.com.



Contact your local representative to find out more about the Helisem® Mixer Series

www.miltonroy.com

www.miltonroymixing.com



Your Contact