

HELISEM[®]

Mixer Series

Extended
range with
high mixing
performance



Water treatment
Chemicals
Paints
Pharmaceuticals
Lubricants
Agriculture
and more



MILTON ROY
Mixing

Competitive Performance

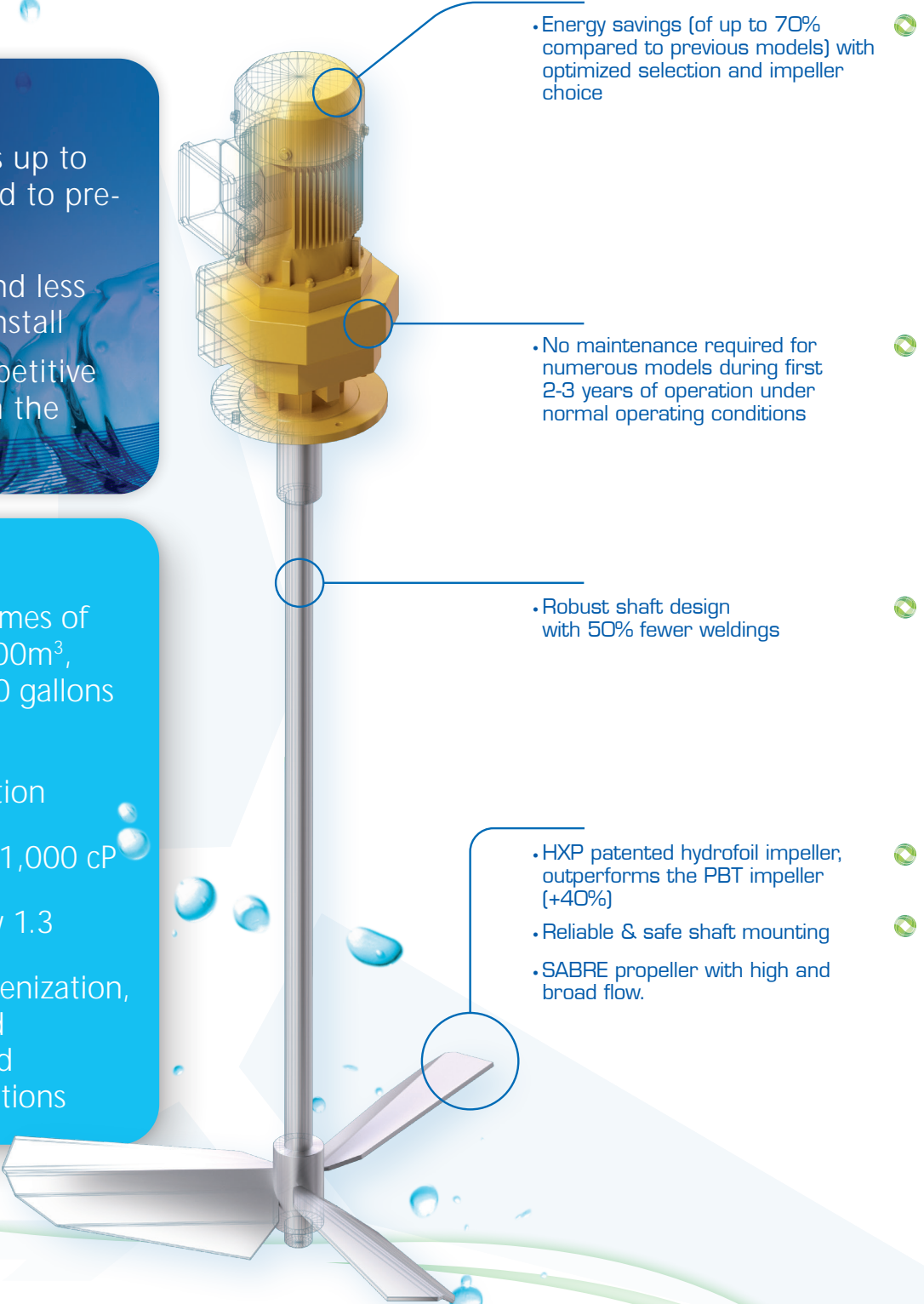
Helisem® standard vertical mixer series

Main benefits:

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

Areas of use:

- Operating volumes of 10 liters to 1,300m³, 2.5 to 345,000 gallons
- Low, medium and high agitation
- Viscosity up to 1,000 cP
- Specific Gravity 1.3
- For any homogenization, dissolving, solid suspension, and blending operations



• Energy savings (of up to 70% compared to previous models) 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

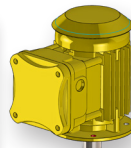
• SABRE propeller with high and broad flow.



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 4 kW 1/3 to 5.5 HP
Rotation speed	700 to 1800 rpm



Low to high mixing levels, up to 1.4 meters (4.75 ft) diameter tanks

VRP mixers

Impeller diameter	200 to 800 mm 7.9 to 31.5 inches
Rated power	0.18 to 3 kW 1/4 to 4 HP
Rotation speed	81 to 280 rpm



Low to high mixing levels, up to 4 meters (13 ft) diameter tanks

VRH mixers

Impeller diameter	700 to 2850 mm 27.6 to 112.2 inches
Rated power	1.1 to 15 kW 1.5 to 20 HP
Rotation speed	21 to 109 rpm



Medium to high mixing levels, up to 9.5 meters (31 ft) diameter tanks

VRG mixers

Impeller diameter	200 to 3250 mm 7.9 to 128 inches
Rated power	0.25 to 15kW 1/3 to 20 HP
Rotation speed	13 to 109 rpm



High mixing levels, up to 10 meters (33 ft) diameter tanks

FRH mixers

Impeller diameter	650 to 3350 mm 25.6 to 131.9 inches
Rated power	0.18 to 2.2 kW 1/4 to 3 HP
Rotation speed	9 to 59 rpm



Low to medium mixing levels, Flocculation up to 11 meters (36 ft) diameter tanks

Main features:

Standard series:

- 1 or 2 impellers
- Designed for 50 or 60 Hz power supply
- Upward or downward flow
- 316L stainless steel construction for wetted parts

Options*:

- Square base plate, ASME B16.5 mounting flange
- Ex certified
- Coated wetted parts for corrosive fluids

*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
- ISO 50001 Certified Manufacturing facility

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