

Optimal leak-proof performance for high-volume chemical injection

Engineered for the injection and transfer of hazardous chemicals, the MEGARROYAL is capable of handling flow rates of up to 12,680 gph or 211 gpm (48 m³/h or 800 L/min) with discharge pressures to 3,655 psi (252 bar) in a footprint that is up to 25% smaller when compared to similar competitive options. The MEGARROYAL pump provides the reliability you expect from Milton Roy with the power you want to meet all your chemical dosing needs.

Specifications:

- Maximum capacity: 12,680 gph or 211 gpm (48 m³/h or 800 L/min)
- Maximum discharge pressure: 3,655 psi (252 bar)
- Maximum motor power: 100 hp (75 kW)
- Pumped fluid temperature: 14°F to 203°F (-10°C to 95°C)
- Capacity adjustment: By variable frequency drive (VFD) with variable frequency motor

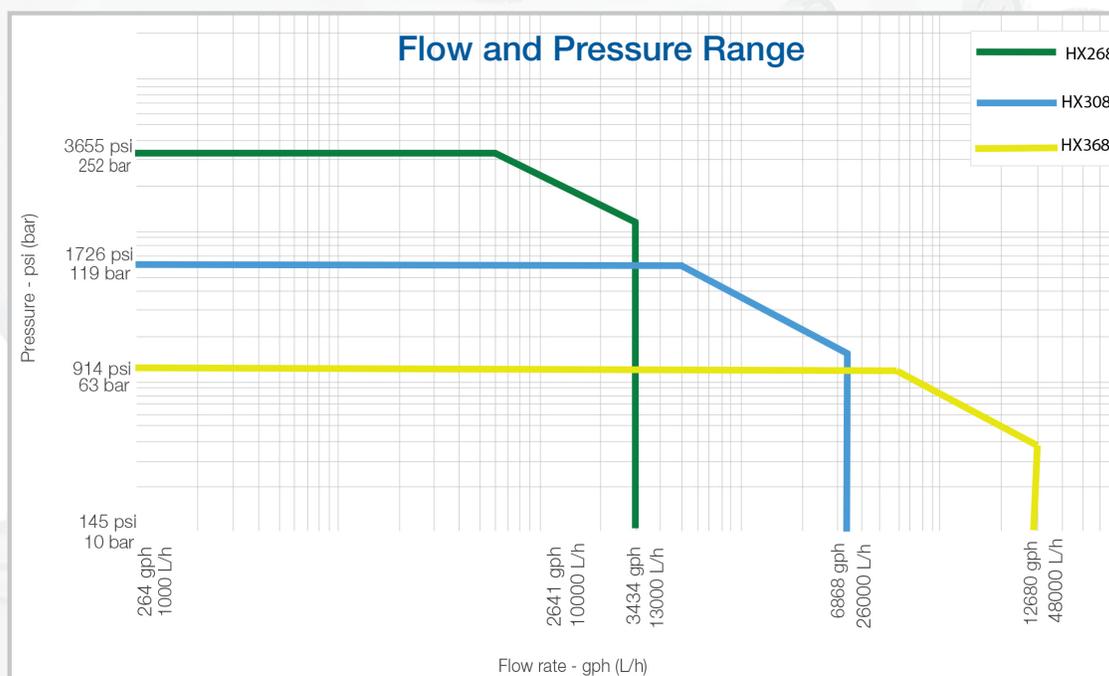


API 675 Compliant*

Applications:

- Oil & Gas – applications requiring high pressure liquid injection and transfer to prevent hydrate formation, reduce corrosion, scales and much more.
- Chemical and Petrochemical Processing – metering of chemicals in refinery processes such as separation / distillation, transformation / conversion and finishing/refining of products.
- Water Treatment and General Industry - Slurry fluid transfer such as bauxite, coal water slurry and sewage.
- Ideal for industries requiring zero-leakage and control of critical process liquids.

*Consult factory for details



Critical Sub-Assembly

Provides Operating Efficiencies and Savings

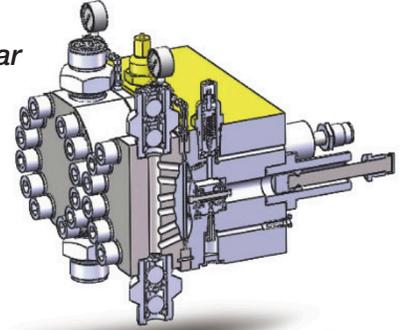
Features and Benefits

- Wear-resistant copper alloy worm gear, runs efficiently and provides a long service life.
- Moving parts lubricated in oil bath to reduce wear.
- Connecting rods with standard bearing for convenient maintenance.
- Unique cross-head seal structure protects against leakage.
- Forged alloy steel crankshaft ensures reliable performance and a long product life.
- Advanced bearing configuration, maintains a smooth and predictable movement of the suction and discharge.

Unique Liquid End - Achieves high discharge pressures to 3,655 psig / 252 bar

Features and Benefits

- Leak-resistant design protects the process and the environment from dangerous and costly contamination.
- Patented diaphragm design with service life over 20,000 hours reduces maintenance costs while protecting against leakages.
- Integrated air-bleed valve for accurate “control” of flow.
- Patented MARS refill system automatically controls the hydraulic oil to protect the diaphragm from rupture while increasing the overall pump reliability and reducing maintenance time and expense.
- Equipped with a double-diaphragm detection system to monitor via local or remote alarm in the unlikely event of a rupture.

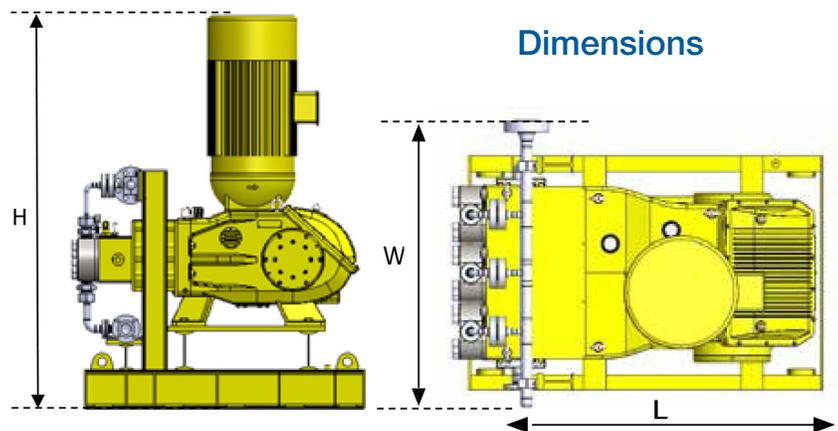


Options

A variety of options available to meet specification requirements

Benefits

- Special designed suction and discharge valves
- Low temperature
- High temperature
- Jacket insulation
- Slurry application
- Variety of diaphragm material
- Special corrosion resistant material



	HX268	HX308	HX368
in.	79.3 × 68.9 × 99.6	106.8 × 75.2 × 99.6	115.4 × 83.9 × 99.6
mm	2015 × 1750 2530	2715 × 1910 × 2530	2930 × 2130 2530

Contact your local representative to find out more about MEGAROYAL®

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