PULSAFEEDER N ENGINEERED PRODUCTS

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NEW! ECLIPSE® METALLIC EXTERNAL GEAR PUMPS



Flow up to 33 gpm (125 lpm)



Differential Pressure up to 150 psi (10.3 bar)



Viscosity up to 10.000 cPs



Process Fluid Temperature from -40°F to 150°F (-40°C to 65°C)



MARKETS

- Chemical Processing
- · Oil & Gas
- Petrochemical
- Water Treatment
- Wastewater Treatment

TYPICAL APPLICATIONS

- pH control
- Odor control
- Acids
- Caustics
- · Hydrogen Peroxide
- Ammonia

MATERIALS OF CONSTRUCTION

Magnet: Neodymium in 316LSS welded,

Neodymium in Allov C welded

Gears & Liner: Carbon reinforced PTFE

Shafts: 316LSS, Alloy C

Bearings: Carbon Graphite or Graphite-impregnated

Silicon-carbide O-rings: PTFE

SPEC PULSAFEEDER. GET MORE THAN YOU EXPECT.

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Feature	Value
Industrial Design	Structurally rugged with corrosion-resistant materials ensures compatibility with the toughest chemicals
Sealless Design	Magnetically driven, sealless design ensures zero leakage and no emissions of hazardous chemicals
Front-pullout Design	All typical wear components can be easily replaced by removing the front cover only. No need to disconnect piping or motor connections. Reduced pump down-time for repair or scheduled maintenance.
Minimal Number of Components	Fewest component gear pump on the market ensures long life and ease of maintenance
Efficiency	Ideally suited for low flow operation where centrifugal pumps perform inefficiently and can experience cavitation, increased radial loads and unstable flow.



When compared to centrifugal pumps, Eclipse has a smaller installed footprint and lower required horsepower. This means dramatic costs savings throughout the life of the pump.

Pulsafeeder Inc.

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Tolerance O-rings Maintains proper internal clearances, tolerant of axial wear or thermal expansion.

Housing Liner

Patented liner protects housing from wear. Allows as-new performance with the change of a KOPkit®.

Single Tool Repair Install your KOPkit® using only one tool



Single Piece Gear/ **Shaft Assembly** Eliminates retaining rings and keys

Fully Encapsulated Magnets

For maximum corrosion resistance. Spline design allows driven magnet to "float" within the can. The magnet will self-align with no extra fasteners and no axial loads induced on the shaft.

Corrosion resistant and robust for optimum pump support in harsh environments. Slotted holes fit multiple motor frame feet for easy retrofitting in existing installations

*Rigid Pump Base available on E75 and 125 **Universal Flanges available on E75 and 125

Designed with large wear areas to accommodate hydraulic loads. Special materials and patent pending features allow dry-run capabilities.

Heavy Duty Bearings







