

ECLIPSE®

EXTERNAL GEAR PUMP



Flow:
up to 33 gpm (125 lpm)



Differential Pressure:
up to 150 psi (10.3 bar)



Working Pressure:
up to 300 psi (20.7 bar)



Temperature:
from -40 to 450°F (-40 to 232°C)



Viscosity:
up to 100,000 cPs

PT Indosol Water Solutions
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NSF/ANSI 61*  

*Non-metallic Only

 **PULSAFEEDER®**
ENGINEERED PRODUCTS

ECLIPSE®

PULSAFEEDER EXPERTISE

For over 70 years, Pulsafeeder, Inc. continues to be a proven leader in fluid handling technology and innovation in chemical dosing. With extensive experience in providing fluid handling solutions, our pumps are designed to handle even the toughest applications. Known for rugged construction and dependable performance, our products are manufactured with excellence and the highest quality standards.

The Eclipse represents a dramatic advance in pump technology. Combining proven design principles with patented features, our pumps are safe, simple, and reliable. Structurally rugged with corrosion-resistant materials, Eclipse is an ideal fit for many corrosive liquids. From acids to bases, we cover the entire pH scale.

The innovative technology behind Eclipse supports its ability to handle the most corrosive chemicals with a simple-to-service, front pull-out design. Eclipse is available with wetted components in completely non-metallic construction, 316SS, and Alloy C. These material offerings ensure corrosion resistance over a wide range of chemicals and process conditions. These pumps are magnetically driven to eliminate mechanical seal wear and leaks associated with rotating seals. The patented bearing design promotes constant lubrication.

PRODUCT SPECIFICATIONS

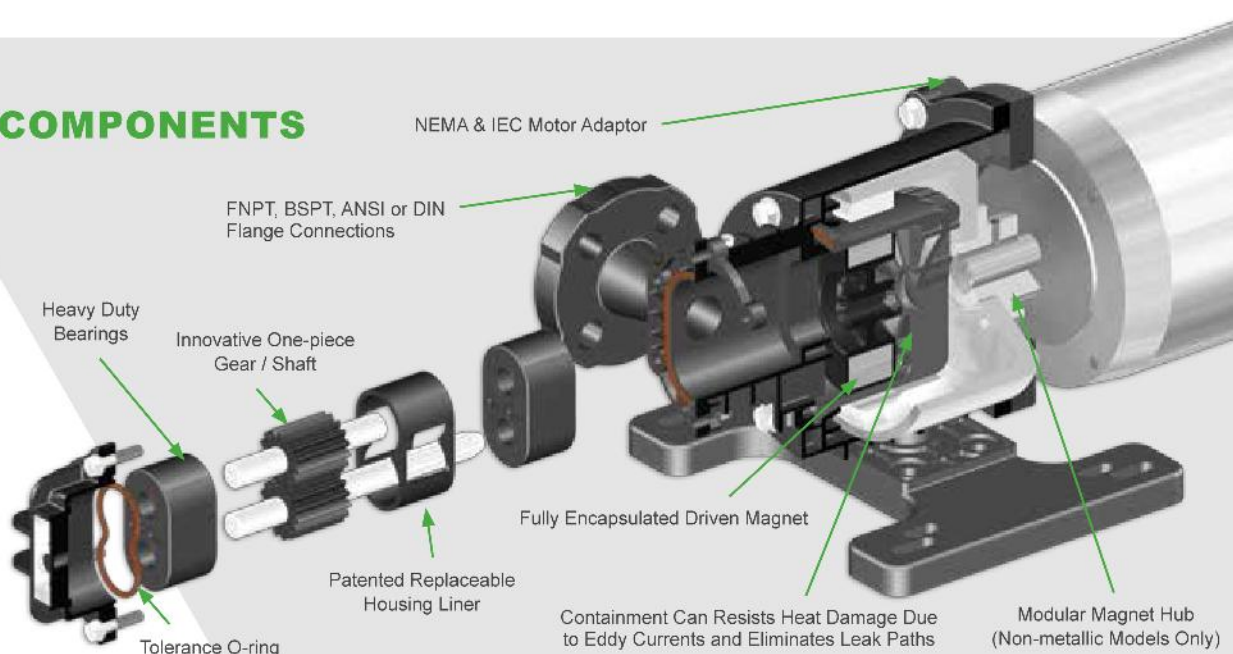
Markets

- Chemical Processing
- Oil & Gas
- Petrochemical
- Wastewater Treatment
- Water Treatment - Power
- Water Treatment - Municipal

Typical Applications

- Sodium Hypochlorite
- Hydrogen Peroxide
- Sulfuric Acid
- Solvents
- Caustic
- Polymers
- Dyes & Inks
- Catalyst
- Cleaning Agents
- Flocculants
- Adhesives & Resins
- Acids

COMPONENTS



FEATURES

DESIGNED FOR SIMPLICITY

- Fewest number of components of any external gear pump on the market
- Simplified ordering and inventory with fewer parts
- Self-aligning parts and piloted fits ensure proper assembly every time



RENEWABLE PERFORMANCE

- Patented housing liner protects the housing from wear
- Easy maintenance KOPkit® (Keep On Pumping kit) saves time and money
- Regain performance flow with a KOPkit®



HEAVY DUTY BEARINGS & TOLERANCE O-RING

- Bearings have large wear areas
- Patented bearings are made from self-lubricating materials
- Tolerance O-ring maintains proper internal operating clearances



MAGNETICALLY DRIVEN SEALLESS DESIGN

- Eliminates costly seal flush systems required for double mechanical seals
- Patented drive shaft spline design optimizes magnet alignment on shaft
- Fully encapsulated driven magnets offer maximum corrosion resistance
- Sealless design ensures zero leakage



UNIVERSAL FLANGES

- Standard housings mate to both ANSI and DIN flange connections
- PTFE or Viton® inserts act as a gasket and can be reused or replaced to ensure a proper seal (Non-metallic only)



UNIVERSAL MOTOR ADAPTOR

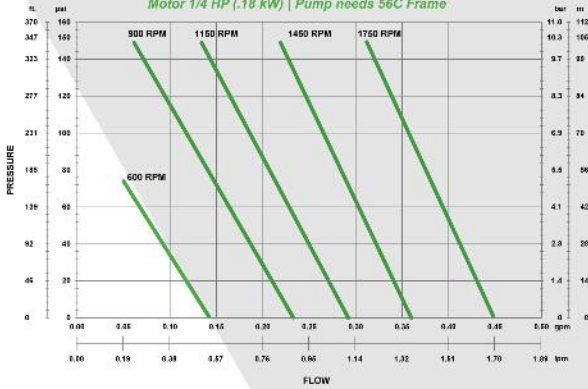
- Standard adaptors easily mate to multiple NEMA and IEC motors
- Wide range of motor adaptors allow for easy installation in retrofit applications



FLOW CURVES

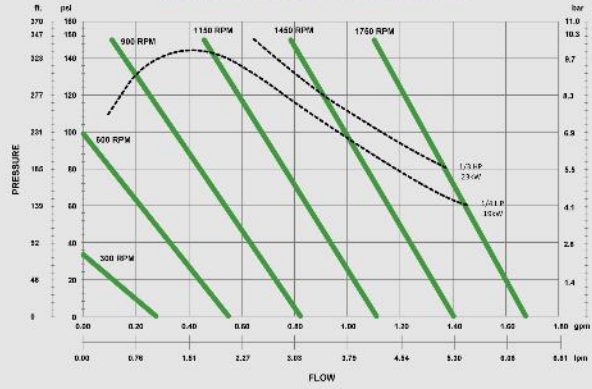
E02 MODEL

Fluid Viscosity: 1 cPs, Specific Gravity 1.0
Motor 1/4 HP (.18 kW) | Pump needs 56C Frame



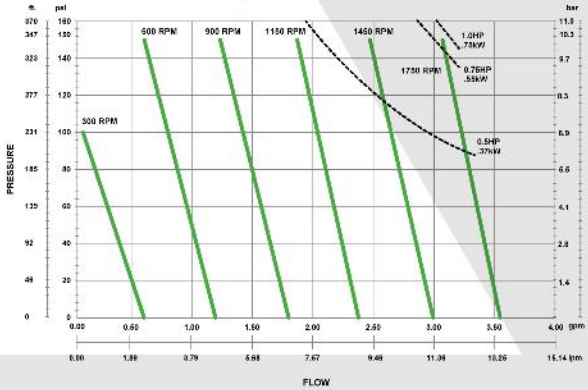
E05 MODEL

Fluid Viscosity: 1 cPs, Specific Gravity 1.0



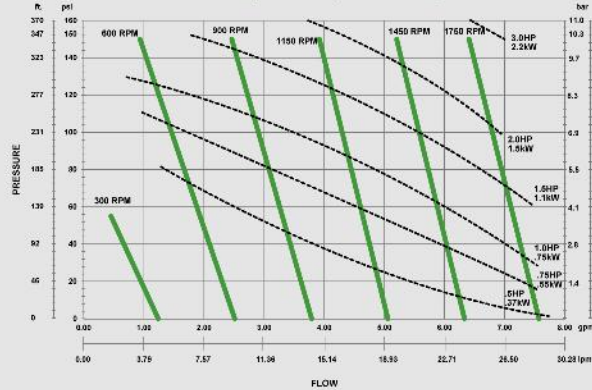
E12 MODEL

Fluid Viscosity: 1 cPs, Specific Gravity 1.0



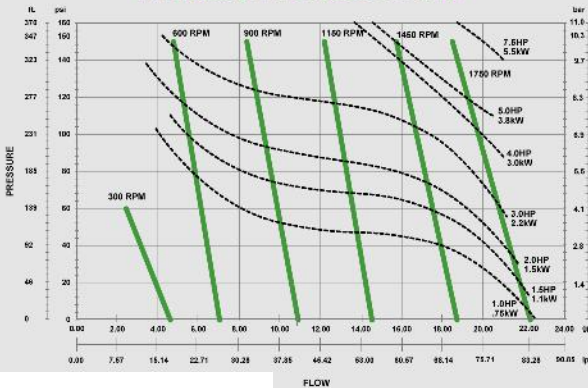
E25 MODEL

Fluid Viscosity: 1 cPs, Specific Gravity 1.0



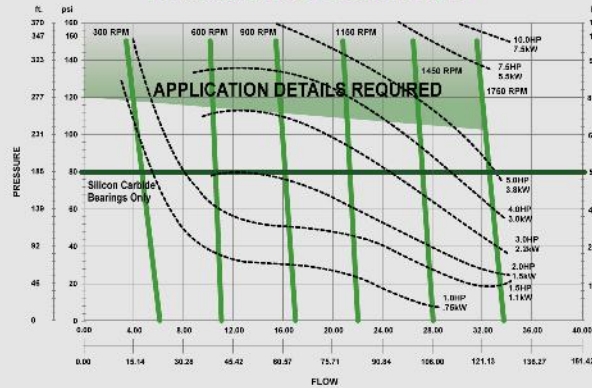
E75 MODEL

Fluid Viscosity: 1 cPs, Specific Gravity 1.0



E125 MODEL

Fluid Viscosity: 1 cPs, Specific Gravity 1.0



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