



*Always the Right Solution™*

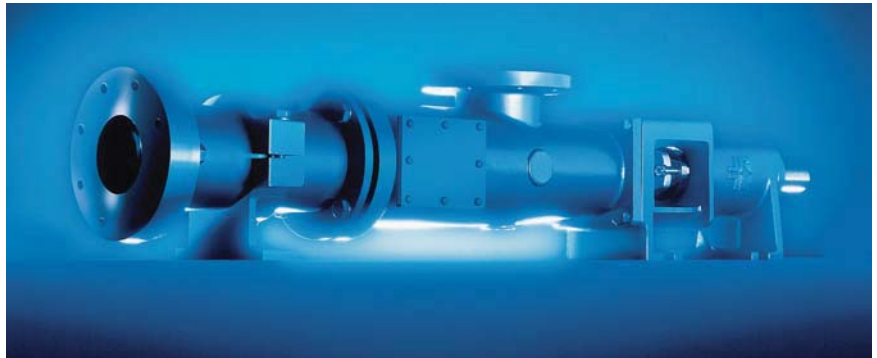
## Moyno® 1000 Pumps

### Quality and Reliability For a Productivity-Boosting Performance Edge

Moyno 1000 pumps offer economical, high-efficiency performance with application versatility and maintenance simplicity.

#### Features and Benefits

- Sealed pin joint for longer life
- Easy to maintain
- Low cost of ownership
- Standard flange, close-coupled and open throat hopper models
- High volumetric and mechanical efficiency
- Minimal power consumption and operating costs
- No valves to clog, stick or vapor lock
- Handle clean water to viscous, abrasive fluids and slurries
- Efficient and economical fluid transfer, extraction, feeding and metering
- Smooth non-pulsating flow
- Head independent of pump speed
- Low NPSH requirement
- Self-priming
- Low shear pumping
- Viscosities over 1,000,000 cps
- High suction lift to 28 feet
- Entrained solids to 0.7 inches in diameter
- Fluid temperature range to 350°F



#### Typical Applications

- Water & wastewater treatment
  - Chemical dosing
  - Scum and grease
  - Sampling
  - Lime slurries
  - Polymer metering
- Pulp & paper
  - Chemical metering
  - Coating color
  - Starch
  - Stock transfer
  - Mill wastewater
- Chemical
  - Polyester blend
  - Calcium carbonate slurry
  - Polymer metering
  - Soaps and detergents
- Pharmaceutical
  - Pill pastes
  - Hand lotions
- Petroleum
  - Oily water separation
  - Offshore oil platform transfer
  - Polymer flooding
- Miscellaneous
  - Adhesives and mastics
  - Grout
  - High-pressure water
  - Gels
  - Lubricants

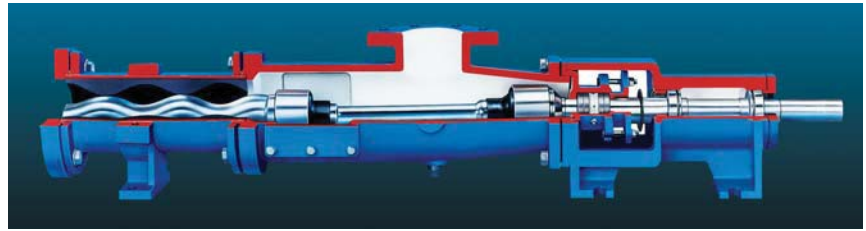
## Performance Advantages

### Highest Grade Components

- Abrasion-resistant chrome-plated rotors in high grade carbon steel or 300 series stainless; Alternative Ultra-Shield® rotor coatings are available on all models
- Wide variety of Ultra-Flex® stator elastomers to meet specific application needs
- Wettable pump body parts in cast iron or 300 series stainless

### Versatile Piping Connections

- Flanges available in 125 or 150 lb. flat face, cast iron or stainless steel on pump suction and discharge ends
- 300 lb. raised face flanges on discharge end of four-stage, high-pressure pumps
- Suction port can be rotated to four positions, 90° apart
- Open throat with large suction hopper allows smooth flow of viscous materials from auger assembly to rotor/stator elements

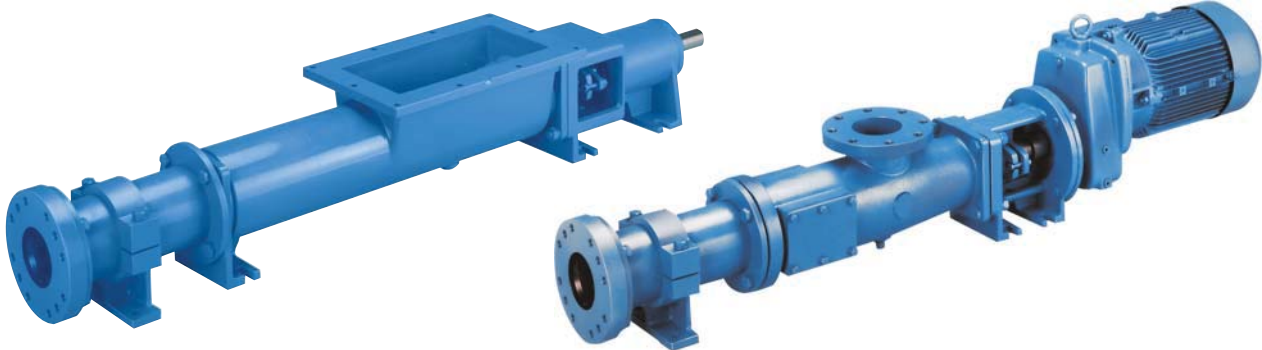
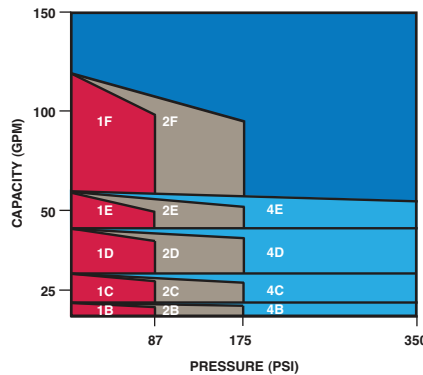


### Low-Maintenance Drive Trains

- Hardened pin-type universal joints are sealed and lubricated for long life and easy maintenance
- Universal joint seal design increases service life three to five times over unprotected joints
- High-quality pump packing

### Longer Lasting Drive Ends

- Connecting rod is precision machined from high-quality alloy steel or 300 series stainless
- Heavy-duty, grease-lubricated bearings absorb radial and thrust loads
- Precision-machined chrome-plated carbon steel or 300 series stainless drive shaft
- Standard high-quality gear drives for close-coupled units
- Optional inspection ports on "E" size and larger for internal inspection without moving piping



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[www.moyno.com](http://www.moyno.com)