



PUMPS

COMPRESSORS

GENUINE PARTS

SERVICE

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Ansimag K Series - Simple By Design™ Simple By Design is more than a slogan for us. It's what we practice every day. As the pioneer in nonmetallic magnetic drive pumps, we continue to lead the way in providing the most advanced, most reliable sealless pumps available.

Simplicity = Reliability

- Fewer parts means fewer problems

Simplicity = Quick, Easy Maintenance

Quick Change Cartridge with one rotating assembly allows easy replacement of pump internals.

Simplicity = Durable, System Tolerant Design

- Stationary Shaft supported at both ends increases reliability by eliminating deflection associated with ever changing system conditions.

Sundyne Sealless Pumps

What makes Sundyne sealless pumps a better, more **reliable**, choice for your process? It's simple:

No Leaky Mechanical Seals

- Insures the safety of your employees
- Provides a clean working environment
- Requires no mechanical seal support systems
- Cost-effective alternative to mechanically sealed pumps

Zero Emissions

- Environmentally safe and responsible
- Compliant with the EPA regulations

Cost Efficient Designs

- Operating efficiencies similar to mechanically sealed pumps
- Built to international standards for low initial installation cost

Application Experience and Product Support

- Assures proper pump selection for greater operating reliability
- Comprehensive PlusONE product support from Sundyne and our global network of Authorized Service Centers, giving you peace of mind with UPTIME ASSURANCE™

World class engineering and manufacturing

- Quality that delivers highly reliable products
- Most extensive line of sealless pumps available
- ISO 9001 certified

SundGuard Power Monitors – Protecting Your Pump Investment

Power monitoring represents one of the best values available today to protect your pump from system upset damage and avoid costly shutdowns, unexpected repair costs, and premature equipment failures. SundGard Power Monitors are easy to install and operate, and designed to protect your pump from:

- Dry-Running Conditions
- Low Flow / "Back-on-Curve" Operation
- Increased Viscosity / Precipitation
- Deadhead / Closed Discharge Valve
- High Flow / "End-of-Curve Operation
- Jammed Impeller
- Severe Cavitation
- Decoupled Magnetic Drive

Optional Configurations for Optimum Application Flexibility



Self-Priming Pump

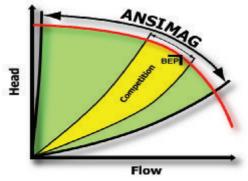
Features and Benefits

- Large priming chamber and solid volute for maximum priming lift
- Solid check valve for reduced back flow velocity and accelerated priming speed
- Built in 1/2" NPT thermal plug for additional pump protection monitoring
- Internal wear parts interchangeable with Ansimag K+ pumps for minimal inventory requirements
- Optional gooseneck for maintaining prime during intermittent operation

Specifications

- Flow: to 300 GPM (68 m³/h)
- Head: to 150 feet (45.7 m)
- Temperature: -20°F to 250°F (-30°C to 121°C)
- Pressures: to 285 psi (19.3 Bar)
- Suction Lift: to 20 feet (6.5 m)

Ansimag Pumps have the fewest wear parts of any magnetic drive pump on the market today.



Unlike competitive pump designs, the Ansimag stationary shaft design tolerates greater changes in operating system conditions.







Vertical In-Line Pump

Features and Benefits

- Meets ANSI B73.2 dimensional standards for easy, economical installation
- Internal wear parts interchangeable with Ansimag K+ pumps for minimal inventory requirements

Specifications

- Flow: to 300 GPM (68 m³/h)
- Head: to 325 feet (99 m)
- Temperature: -20°F to 250°F (-30°C to 121°C)
- Pressures: to 285 psi (19.3 Bar)

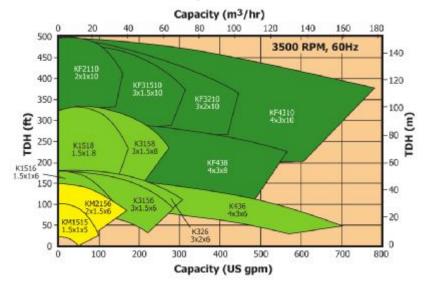


Ansimag K Series



"Sub-ANSI" pumps for lower flow requirements

Performance Envelopes



K+

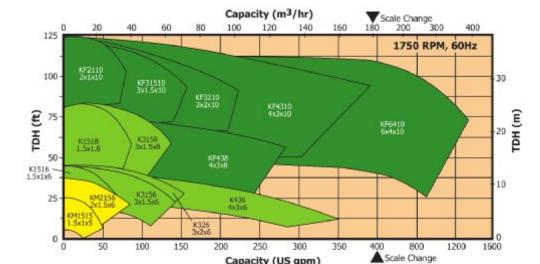
ANSI dimensioned pumps for chemical process applications



Large ANSI dimensioned pumps for higher flow and head requirements

Specifications

- Flow: to 1400 GPM (318 m³/h)
- Head: to 500 feet (152 m)
- Temp: -120°F to 250°F (-84°C to 121°C)
- Pressure: to 350 psi (24 Bar)
- Design Standard: ANSI B73.3 (K+ and KF)



Capacity (US gpm)



Typical Industries and Applications

- Chemical Processing
 - Transfer
 - Unloading
 - Bulk Storage
- Hydrocarbon Processing/Refining
 - Sour Water
 - Neutralization
 - Boiler House
- General Industrial
 - Steel Finishing, Pickling, Etching
 - Electroplating
 - High Purity Processes
 - Filtration
- Municipal
 - Wastewater/Wastechemical Treatment
 - Scrubber Systems
- Mining • Leaching

BioFuels

- Distillation
 - Transesterification
 - Neutralization
- Pulp & Paper • Bleaching
 - Waste Treatment
- Pharmacuetical



Experience you can count

- on to handle the toughest applications

Solving Your Most Demanding Corrosive and Hazardous Pumping Challenges



Industry Leadership Engineering expertise delivering complete UPTIME ASSURANCE

Experience and Reliability

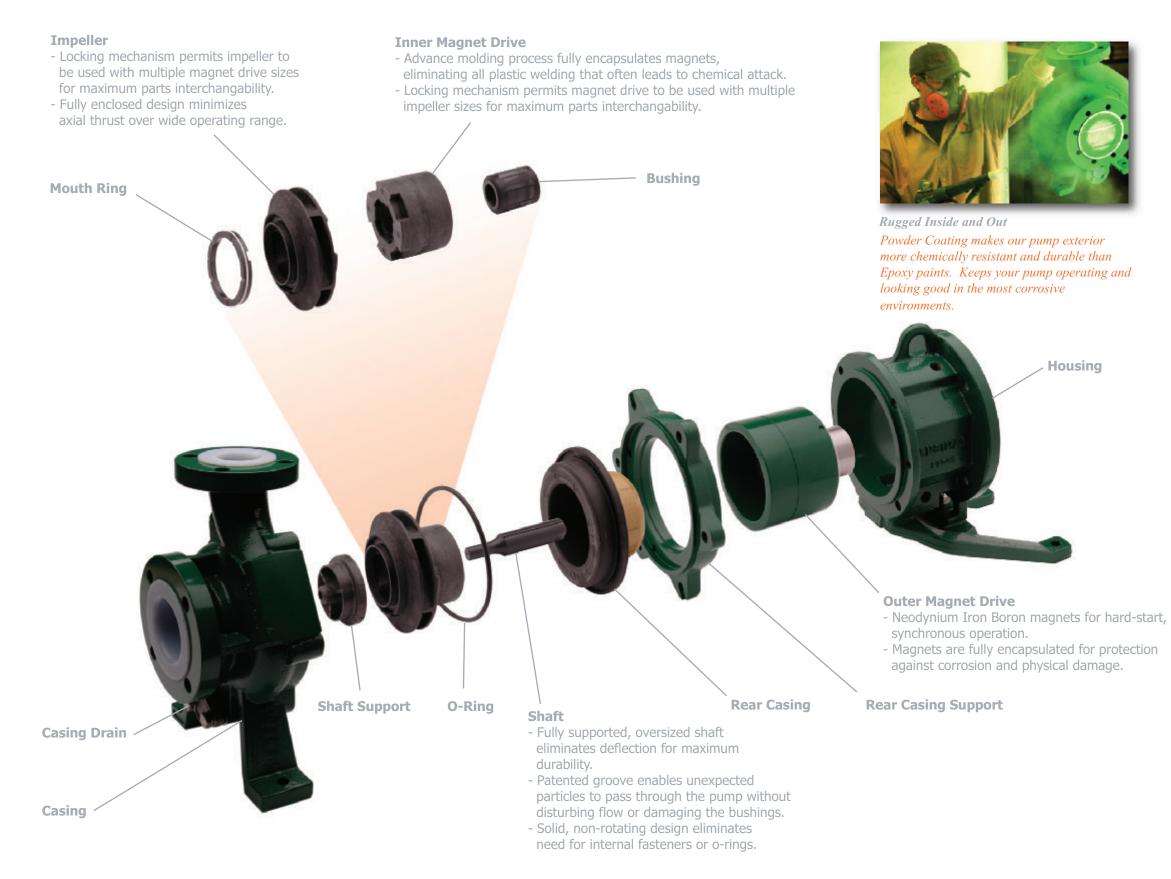


Typical Services

- Acid
 - Acetic
 - Chlorosulphonic
 - Chromic
 - Hydrochloric
 - Hydrofluoric
 - Nitric
 - Oleum
 - Phosphoric
- Sulfuric
- Acetone
- Aluminum Chloride
- Ammonia

- Benzene
- Caustic Soda
- Bleach Solution
- Ferric Chloride
- Ferrous Chloride
- Hydrogen Peroxide
- Methanol
- Methyl Ethyl Ketone
- Sodium Hydroxide
- Sodium Hypochlorite
- Sodium Sulfate
- Sour Water

SIMPLE BY DESIGN (Model K+ Shown)



Materials of Construction

• Casing

- ETFE Lined Ductile Iron
- Impeller
- Carbon Fiber Reinforced ETFE
- Inner Magnet Drive
- Carbon Fiber Reinforced ETFE / Neodymium Iron Boron
- Shaft
 - Silicon Carbide
- Bushing
- Silicon Carbide
- Shaft Support
- Reinforced ETFE / Silicon Carbide
- Mouth Ring
 - Standard: Carbon Fiber Reinforced PTFE
 - Optional: Silicon Carbide
- O-Ring
 - Standard: Viton
 - Optional: EPDM, PTFE Encapsulated Viton
- Rear Casing
 - Carbon Fiber Reinforced ETFE and Kevlar Reinforced Vinyl Ester
- Outer Magnet Drive
 - Ductile Iron / Neodymium Iron Boron
- Rear Casing Support
- Powder Coated Ductile Iron
- Housing
 - Powder Coated Ductile Iron

Options

- PFA Construction (in select sizes) for maximum corrosion resistance
- Frame Mounted Pumps for direct sealed pump replacement
- ANSI/ASME B16.5 Class 300 flanges for higher operating pressure capability
- ISO 2858 and JIS B8313 dimensional pumps for worldwide installation capability
- 316 Stainless Steel Casings (in select sizes) for cryogenic applications to -120°F