

MAGNATEX[®]

Pumps, Inc.

PROCESS PUMPS

motralec

4 rue Lavoisier . ZA Lavoisier . 95223 HERBLAY CEDEX
Tel. : 01.39.97.65.10 / Fax. : 01.39.97.68.48
Demande de prix / E-mail : service-commercial@motralec.com
www.motralec.com



Magnetic Drive Pumps • Sealed ANSI Pumps • Small Gear Pumps
• Lined Magnetic Drive Pumps • Polypropylene Pumps

MAXP

3575

Magnetic Drive ANSI Process Pumps



State of the art, heavy duty, Magnatex MAXP ANSI pumps are available in a wide variety of materials to meet demanding applications in the process industries worldwide. Magnatex® pumps are installed in thousands of plants handling a wide variety of tough pumping challenges for both low and high temperature fluids. Everything from recovery solvents to heat transfer fluids, viscous liquids, acids, bases, toxic or noxious liquids and high purity fluids.

- Max. Flow: 2000 gpm
- Max. Head: 470 feet
- Temperature: -150°F to 800°F
- Max. Power: 200 hp
- Materials of Construction:
 - Carbon Steel, 304 & 316 Stainless Steel, Alloy 20, Hastelloy® equivalent, Monel, Titanium
- Connections: 150 LB or 300 LB RF Flanges
- Bearings: Silicon Carbide (SiC-X Optional)
- Max Working Pressure: 285 psig
- Impeller: Enclosed
- Speeds: 1800 and 3600 RPM
- Magnets: Neodymium or Samarium Cobalt
- Motor: "T" Frame
- Secondary Containment: Optional
- Steam Jackets: Optional
- External Flush & Vent: Optional

Mechanical Seal ANSI Process Pumps



Heavy duty, rugged, world class quality, mechanical seal ANSI process pumps manufactured to meet the latest ASME B73.1-2001 standard (revision of ASME B73.1M-1991). Pumps are manufactured in 29 sizes, a wide variety of materials, seal options and seal flush systems to handle almost all applications in the process industries. All Magnatex® 3575 pumps and spare parts come with a 5 year warranty on materials and workmanship.

- Max. Flow: 5000 gpm
- Max. Head: 720 feet
- Temperature: -350°F to 700°F
- Max. Power: 300 hp
- Max. Working Pressure: 375 psig
- Materials of Construction:
 - Ductile Iron, Steel, 316SS, CD4MCu, Alloy 20, Hastelloy® equivalent, Ni-Hard, Titanium
- Flanges: 150 LB or 300 LB
- Max Shaft Deflection: 0.002 inches
- Average L10 Bearing Life: 50,000 hours
- Casing Corrosion Allowance: 0.125 inches
- Optional SafeSeal™ Design

APPLICATIONS:

CHEMICAL / PETROCHEMICAL
OIL & GAS
FOOD & BEVERAGE
POWER

STEEL MILLS
WATER & WASTE WATER
GENERAL INDUSTRIAL
REFINING

PHARMACEUTICAL
TEXTILE
SEMICONDUCTOR
HOT OIL

MP / MPL / MPH



ANSI & Sub ANSI Magnetic Drive Pumps

Close coupled compact MP/MPL series pumps are the efficient and dependable choice for medium-flow, medium to high head applications. The MPL Series pumps' process side conforms to ANSI B73.3 dimensions. The MP Series pumps feature sub-ANSI sizes for efficient lower flow applications. Affordable, high performance Magnatex® pumps give you higher efficiency with lower horsepower and a lower total cost of ownership.

- Max. Flow: 340 gpm
- Max. Head: 400 feet TDH
- Temperature: -100°F to 536°F
- Max. Power: 30 hp
- Max. Working Pressure: 225 psi
- Materials of Construction:
316SS, Alloy 20, Hastelloy® equivalent
- Connections: 150 LB RF Flanges
- Bearings: SiC, SiC-X
- Impeller: Enclosed
- Speeds: 1800 and 3600 rpm
- Magnets: Neodymium
- Motor: C face

MPT



Magnetic Drive Turbine Pumps

MPT Series magnetically driven, sealless regenerative turbine vane pumps are designed specifically for low flows at high heads. The MPT Series features close-coupled construction similar to the MP Series, but uses a regenerative turbine vane impeller. This design provides better pump hydraulics at low flow rates.

- Max. Flow: 18 gpm
- Max. Head: 340 feet TDH
- Temperature: -40°F to 300°F
- Max. Power: 5 hp
- Max. Working Pressure: 225 PSIG
- Materials of Construction: 316SS
- Connections: NPT or 150 LB Flanges
- Bearings: SiC-X
- Impeller: Turbine Vane
- Speeds: 1800 and 3600 rpm
- Magnets: Samarium Cobalt
- Motor: C face

MMP



Low Flow Magnetic Drive Pumps

MMP Series magnetically driven, sealless, centrifugal pumps are heavy-duty mag-drive pumps with superior bearing materials for low flows. These close-coupled pumps are similar in construction to the MPL/MP Series, except the shaft is stationary and the suction/discharge ports are male NPT with optional 150 LB RF flanges.

- Max. Flow: 20 gpm
- Max. Head: 95 feet
- Temperature: -100°F to 300°F
- Max. Power: 3/4 hp
- Max. Working Pressure: 85 PSIG
- Materials of Construction: 316SS
- Connections: NPT or 150 LB Flanges
- Bearings: SiC-X
- Impeller: Enclosed
- Speeds: 1800 and 3600 rpm
- Magnets: Neodymium
- Motor: C face

“Serving the process industries since 1985.”

MTA

PFA Lined Magnetic Drive Pumps



Magnatex®/Texel® MTA Series sealless, mag-drive pump features a transfer molded, mechanically attached PFA lining that is thicker and more uniform than common rotomolded linings. Ideal for high purity and elevated temperature applications, this PFA lining offers enhanced characteristics over conventional roto-lined pumps. MTA Series pumps conform to ANSI B73.3 standards.

- Max. Flow: 320 gpm
- Max. Head: 285 feet
- Temperature: 5°F to 275°F
- Max. Power: 25 hp
- Max. Working Pressure: 150 psig
- Materials of Construction:
PFA Lined
- Connections: 150 LB RF Flanges
- Bearings: C-PTFE, G-PTFE, SiC, Carbon
- Shaft: SiC
- Impeller: Closed
- Speeds: 1800 and 3600 RPM
- Magnets: Neodymium
- Motor: C face

ME

ETFE & Kynar® Lined Magnetic Drive Pumps



Magnatex®/Texel® ME Series Sub-ANSI pumps are dependable, durable lined magnetic drive pumps. They are the solution for low to medium flow corrosive fluid applications. These pumps provide a lifetime of maintenance-free operation with low total cost of ownership.

- Max. Flow: 90 gpm
- Max. Head: 140 feet
- Temperature: -32°F to 195°F
- Max. Power: 3 hp
- Max. Working Pressure: 70 psig
- Materials of Construction:
ETFE Lined
Kynar® (PVDF) Lined
- Connections: 150 LB RF Flanges
- Bearings: C-PTFE, G-PTFE, SiC, Carbon
- Shaft: Ceramic, SiC
- Impeller: Closed
- Speeds: 1800 and 3600 RPM
- Magnets: Neodymium
- Motor: C face

MEP

Polypropylene Magnetic Drive Pumps



Magnatex®/Texel® MEP Series magnet drive, sealless, medium duty, polypropylene thermoplastic pumps designed for chemical transfer applications. Simple construction allows for economical first cost and ease of maintenance.

- Max. Flow: 106 gpm
- Max. Head: 103 feet
- Temperature: 175°F
- Max. Power: 3 hp
- Max. Working Pressure: 55 psig
- Materials of Construction:
Polypropylene
- Bearings: C-PTFE
- Shaft: Ceramic
- Motor: C face

“Since 1985 your process reliability has been our #1 priority.”

S

Stainless Steel, Alloy or Ryton® Mechanical Seal Gear Pumps



Chemsteel R&S Series gear pumps are designed to handle viscous, corrosive liquids that need to be pumped at pressures up to 150 psi. These pumps are manufactured to extremely precise tolerances and are available in stainless, Hastelloy® equivalent or Ryton® casing construction. Gears are available in 316SS, Hastelloy C® equivalent, Teflon®, or Peek®. A full range of sealing options is available for maximum application flexibility.

- Max. Flow: 30 gpm
- Max. Head: 150 psi
- Temperature: 450°F
- Max. Power: 5 hp
- Max. Working Pressure: 225 psig
- Casing Materials:
 - 316SS
 - Hastelloy® equivalent
 - Ryton®
- Shaft Materials:
 - 316SS
 - Hastelloy® equivalent
- Bearing Materials:
 - Carbon
 - Teflon®
 - Rulon®

SM

Stainless Steel, Alloy or Ryton® Magnetic Drive Gear Pumps



Chemsteel SM Series magnetic drive, sealless gear pumps are designed to handle viscous, corrosive liquids that need to be pumped at pressures up to 110 psi. SM Series pumps are manufactured to extremely precise tolerances and are available in stainless or Hastelloy® equivalent casing construction. Gears are available in 316SS, Hastelloy C® equivalent, Teflon® or Peek®.

- Max. Flow: 30 gpm
- Max. Head: 110 psi
- Temperature: 450°F
- Max. Power: 5 hp
- Max. Working Pressure: 225 psig
- Casing Materials:
 - 316SS
 - Hastelloy® equivalent
 - Ryton®
- Shaft Materials:
 - 316SS
 - Hastelloy® equivalent
- Bearing Materials:
 - Carbon
 - Teflon®
 - Rulon®



*Magnatex
magnetic drive
pumps now
feature
significantly
increased
dry-running
capability!*

- Our **SiC-X** bearings can run dry for extended periods — even hours!
- Unique materials and manufacturing techniques of our specially treated **SiC-X** bearings provide a coefficient of friction **1/4 that of SiC.**

The low coefficient of friction of our SiC-X bearings results in much less heat being generated in upset or dry-running conditions.

SiC-X bearings are more forgiving of dry-running conditions frequently encountered at start-up, during upset conditions or in batch services

Extremely hard surfaces minimize wear and prolong service life; resistance to chemicals is maintained for extended bearing life

SiC-X Availability

- MMP/MMH/MML—Standard
- MP/ML/MPH/MPT—Standard
- MPL/MLL/MHL—Optional
- MAXP—Optional



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