HORIZONTAL, SEALLESS PERIPHERAL PUMP FOR EXTREME PRESSURE WITH PERMANENT MAGNET DRIVE SYSTEM, NO MECHANICAL SEAL

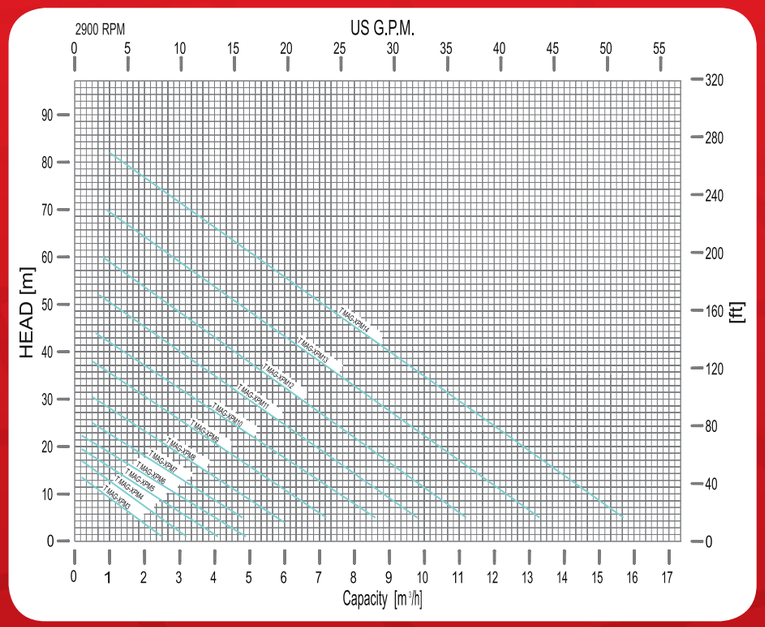
M PUMPS

Pump construction

Close-coupled drivers are conventional drivers mounted directly to pumps frame. No base, coupling or guards are required for this mounting style.

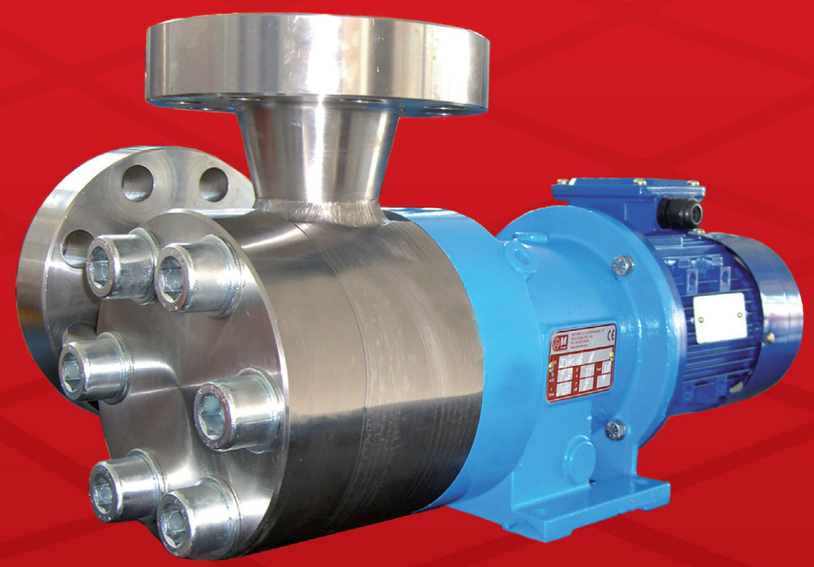
Connections Flanges API Tp 6BX - Ring Joint.
Other on request.

Performance curves



Operating Limits

- Max viscosity:
  200 cSt
- Max system pressure:
  1500bar
- Flow up:
  to 15 mc/h
- Head up:
  to 85 m
- Temperature range:
  from -185 °F (-120 °C)
  to +662 °F (+350 °C)
- Electric motors:
  from 0,55 kW
  up to 75 kW
- Available ATEX II - / 2G cbk II C
  T2 - T5



T MAG-XPM

T MAG-XPM Series

The separation of liquid chamber/atmosphere by means of an isolation shell is the best solution to pump aggressive, explosive and toxic liquids, hydrocarbons, heat transfer liquids and liquids difficult to seal.
The hermetic sealless is the most convenient and safety solution for kind of industries.
A wide range of pumps covers the different performances.
High system pressure capability is the main characteristics of this pump design.

Manufactured by:

M PUMPS

A unit of
Mischiatti GROUP

M PUMPS s.r.l. - Via dell'Artigianato, 120
45015 Corbola (Ro) - Italy - www.mpumps.it
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Member of CISQ Federation RINA ISO 9001:2008 Sistema Qualità Certificato
ISO 14001:2004

For more information please contact:

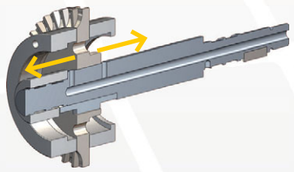
Printed on 06-05-2012

FSC

PUMP DETAILS

Epoxy primer and polyacrylic enamel water-based painting for the best quality resistance linked to the environmental respect.

Particular hydraulic design, with self balancing impeller to improve the wear ring life.



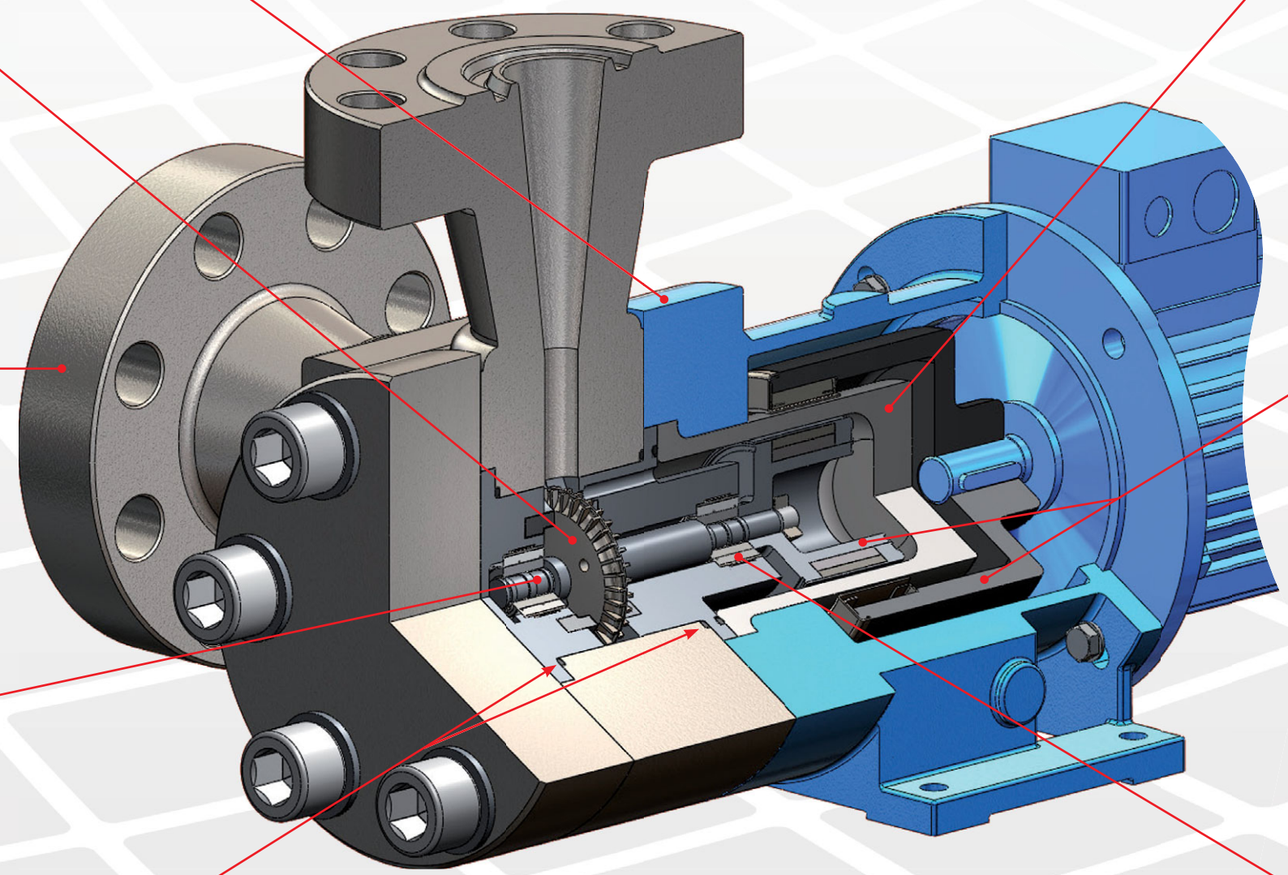
Stainless Steel high thickness machined from solid bar pump casing & CF8M high quality casting impeller.

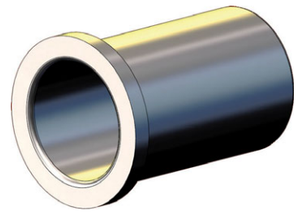
Other materials:
- Hastelloy® C276,
- Incoloy® 825,
- Duplex,
- Titanium Alloy
- Others available on request.

RWP QUICK CHANGE CARTRIDGE KIT to guarantee an easy and fast maintenance.

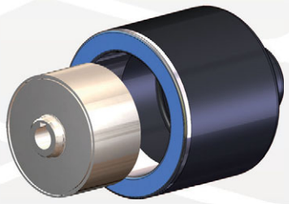
The sealing system with o-ring prevents product from leaking in the atmosphere – different materials available:

- PTFE
- Graphoil
- GYLON®
- FEP
- Garlock Helicoflex®
- Spiral Wound



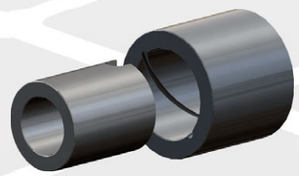


The rear shell is made of one single piece, no welding, Titanium Alloy shell material providing a safe and efficient solution – max system pressure 1500bar.



High power synchronous magnetic coupling designed by our technical office and with rare earth magnetic elements mechanically locked.

The high performance magnets can be operated at liquid temperatures of up to 662°F (350 °C) without external cooling.



Field assembling of the product lubricated bearing arrangement does not require special tools.

The Bearing materials are available in four different types to provide the best solution for each application: Silicon Carbide (SSIC), Tungsten Carbide (WC), Metallized Carbon to allow a dry running situation and PTFEC/G or PEEK Compound for any applications where Metallized Carbon cannot be used.

The adoption of elastic rings reduces the sleeve bearing loads and the thrust bearing loads to the minimum, to guarantee many years of maintenance-free operation.