

**HORIZONTAL, SEALLESS PP AND PVDF  
PERIPHERAL PUMP WITH PERMANENT MAGNET  
DRIVE SYSTEM, NO MECHANICAL SEAL**



**T MAG-P Series**

The separation of liquid chamber/atmosphere by means of an isolation shell is the best solution to pump aggressive chemical, high purity liquids and liquids difficult to seal.

The hermetic sealless is the best solution for the chemical and pharmaceutical industry.

A wide range of pumps covers the different performances.

Simple construction combine with high thickness guarantees a long life against the corrosion.

**T MAG-P**

# PUMP DETAILS

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

Pump casing shall be one single piece, achieved from solid bar, made of very high thickness PP and PVDF to have a good mechanical resistance and a guaranteed long life against the corrosion.

**RWP QUICK CHANGE CARTRIDGE KIT** to guarantee an easy and fast maintenance, PP and PVDF materials.

The sealing system with O-Rings prevents from leaking in the atmosphere – different materials available:

- EPDM
- VITON®
- FEP

The rear shell is made of thermoplastic materials, as PP GFR or PVDF CFR with zero magnetic losses. Outside rear shell cover ellipsoidal profile made of fiber reinforced composite material.

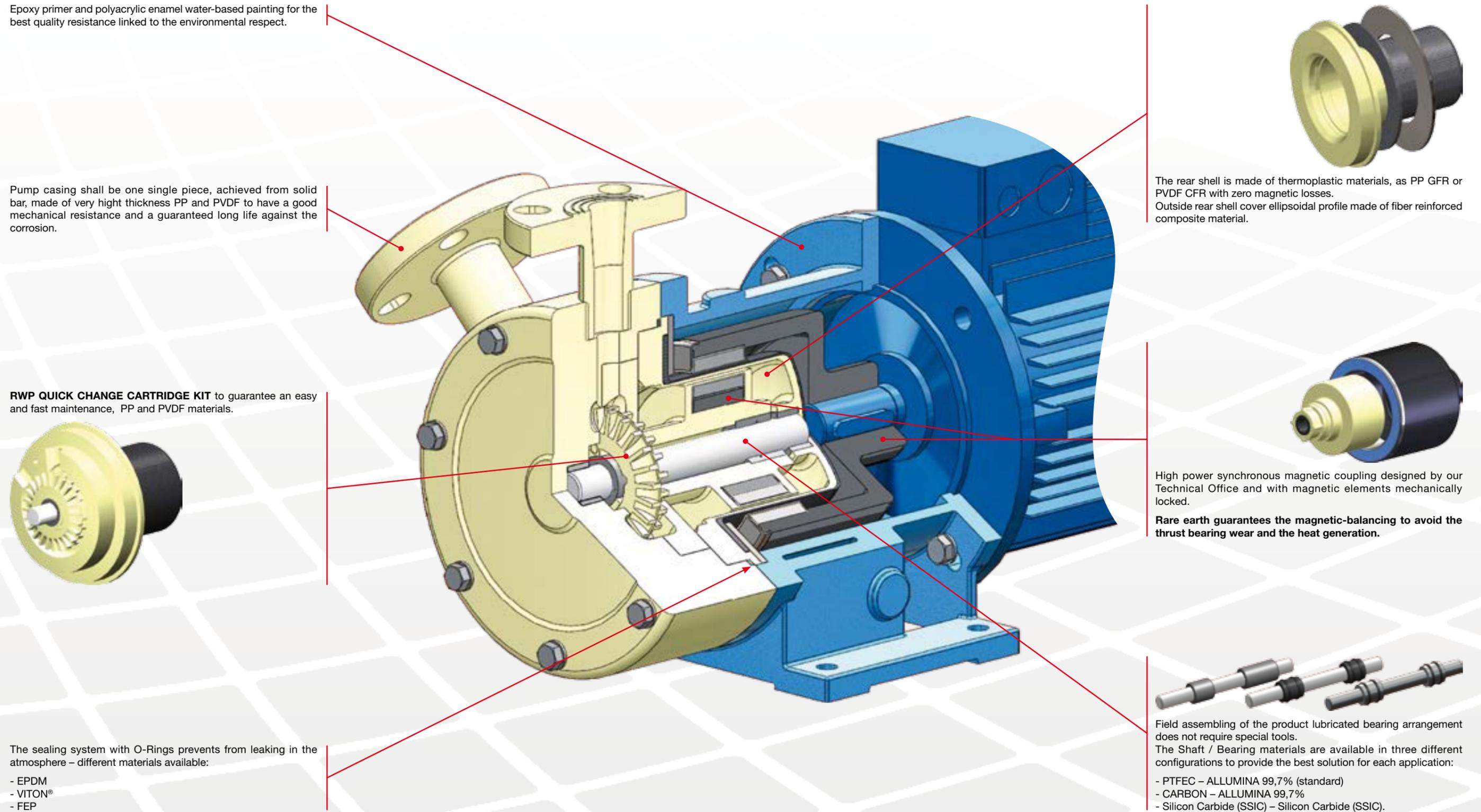
High power synchronous magnetic coupling designed by our Technical Office and with magnetic elements mechanically locked.

**Rare earth guarantees the magnetic-balancing to avoid the thrust bearing wear and the heat generation.**

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

The Shaft / Bearing materials are available in three different configurations to provide the best solution for each application:

- PTFEC – ALLUMINA 99,7% (standard)
- CARBON – ALLUMINA 99,7%
- Silicon Carbide (SSIC) – Silicon Carbide (SSIC).



## Pump construction

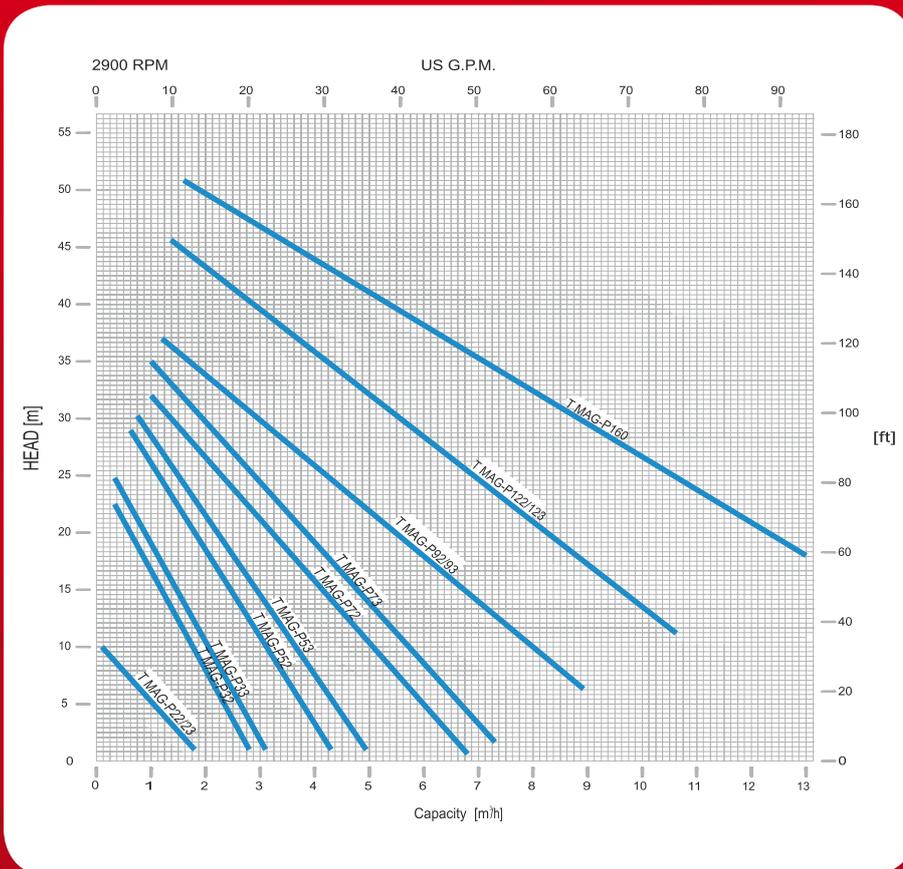
Close-coupled drivers are conventional drivers mounted directly to pumps frame. No base, coupling or guards are required for this mounting style.

Connections:

Threaded BSP (GAS) & NPT

Universal Flanges that meet both DIN PN16 and ANSI 150#.

## Performance curves



## Operating Limits

- Max viscosity: 200 cSt
- Max system pressure: 5 bar
- Flow up: to 13mc/h
- Head up: to 53m
- Temperature ratings: from -22 °F(-30 °C) to +194 °F (+90 °C)
- Electric motors: from 0,18 up to 9,2kW
- Available ATEX II - / 3G cbk II C T5

Manufactured by:



A unit of  
**Mischiatti**  
GROUP

For more information please contact:



Distributed in the UK by **PUMP ENGINEERING LTD**

Unit B1, Riverside Industrial Estate

Littlehampton, West Sussex, BN17 5DF, England

Tel: +44 (0)1903 730900 Fax: +44 (0)1903 730234

Email: sales@pumpeng.co.uk Web: www.pumpeng.co.uk

