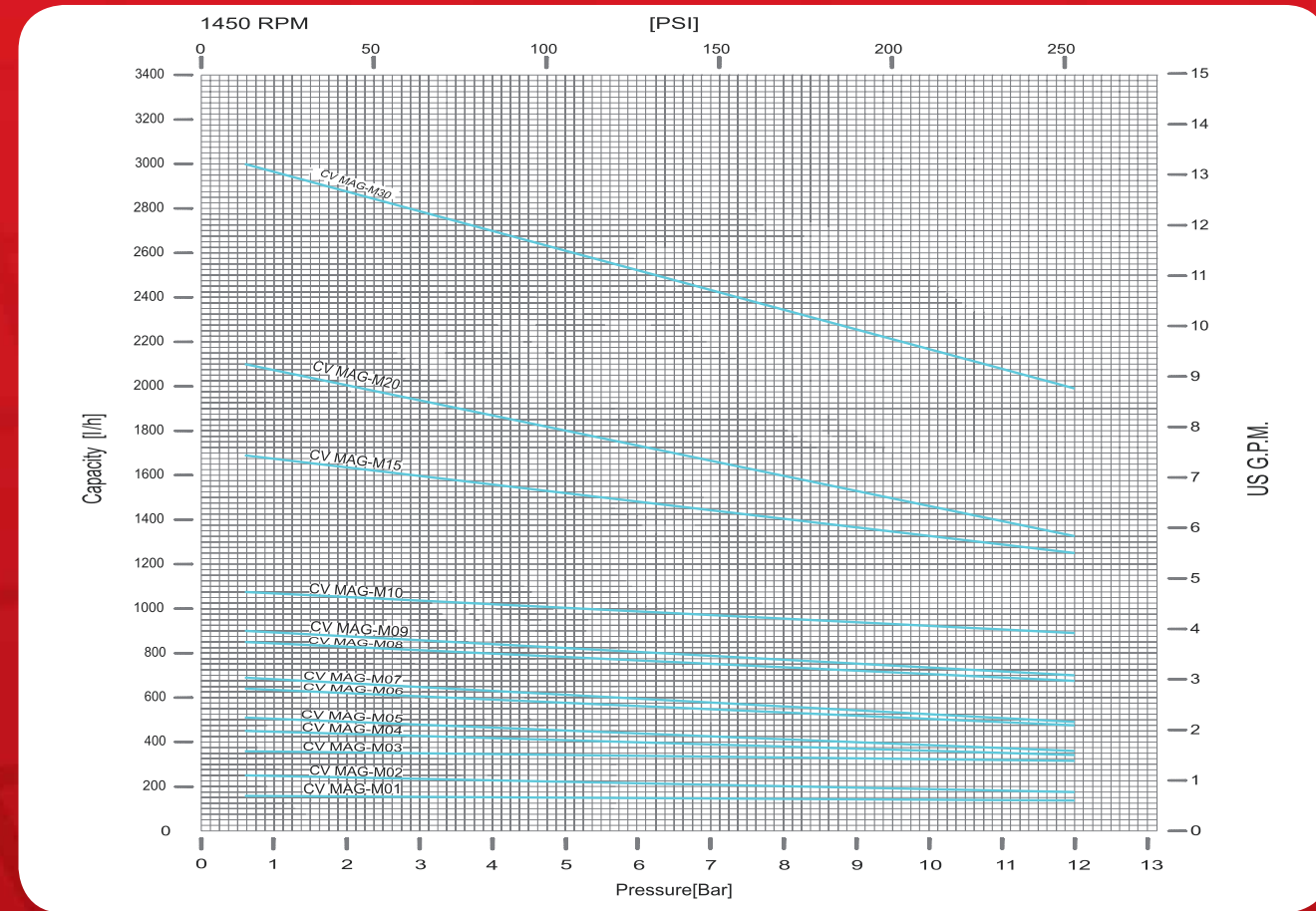


### Pump construction, operating limits and performances

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, Flange rating per DIN Norms Class PN25, ANSI B16.5 Class 150 and 300 lbs
- Max viscosity: 200 cSt
- Max system pressure: 50 bar (standard), 150bar (HP Version), higher pressure version available on request.
- Flow up: to 3000 l/h
- Discharged pressure: up to 12 bar
- Temperature range: up to +392 °F (+200 °C)
- Electric motors: from 0,25kw up to 2,2Kw
- Available ATEX II - / 2G cbk II C T2 - T5

### Performance curves



## SEALLESS LOW NPSH SLIDING VANE PUMP WITH PERMANENT MAGNET DRIVE SYSTEM, NO MECHANICAL SEAL



# CV MAG-M

Manufactured by:



A unit of  
**Mischiatti**  
GROUP

**M PUMPS s.r.l.** - Via dell'Artigianato, 120  
45015 Corbola (Ro) - Italy - [www.mpumps.it](http://www.mpumps.it)  
Tel. +39 0426 346304 - Fax +39 0426 349126

For more information please contact:



### CV MAG-M 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 best solution for the chemical, pharmaceutical and petrochemical industry.

# PUMP DETAILS

AISI 316L Pump Casing & Cover achieved from solid.  
Other materials:

- Hastelloy® C276
- Incoloy® 825
- Duplex
- Others available on request

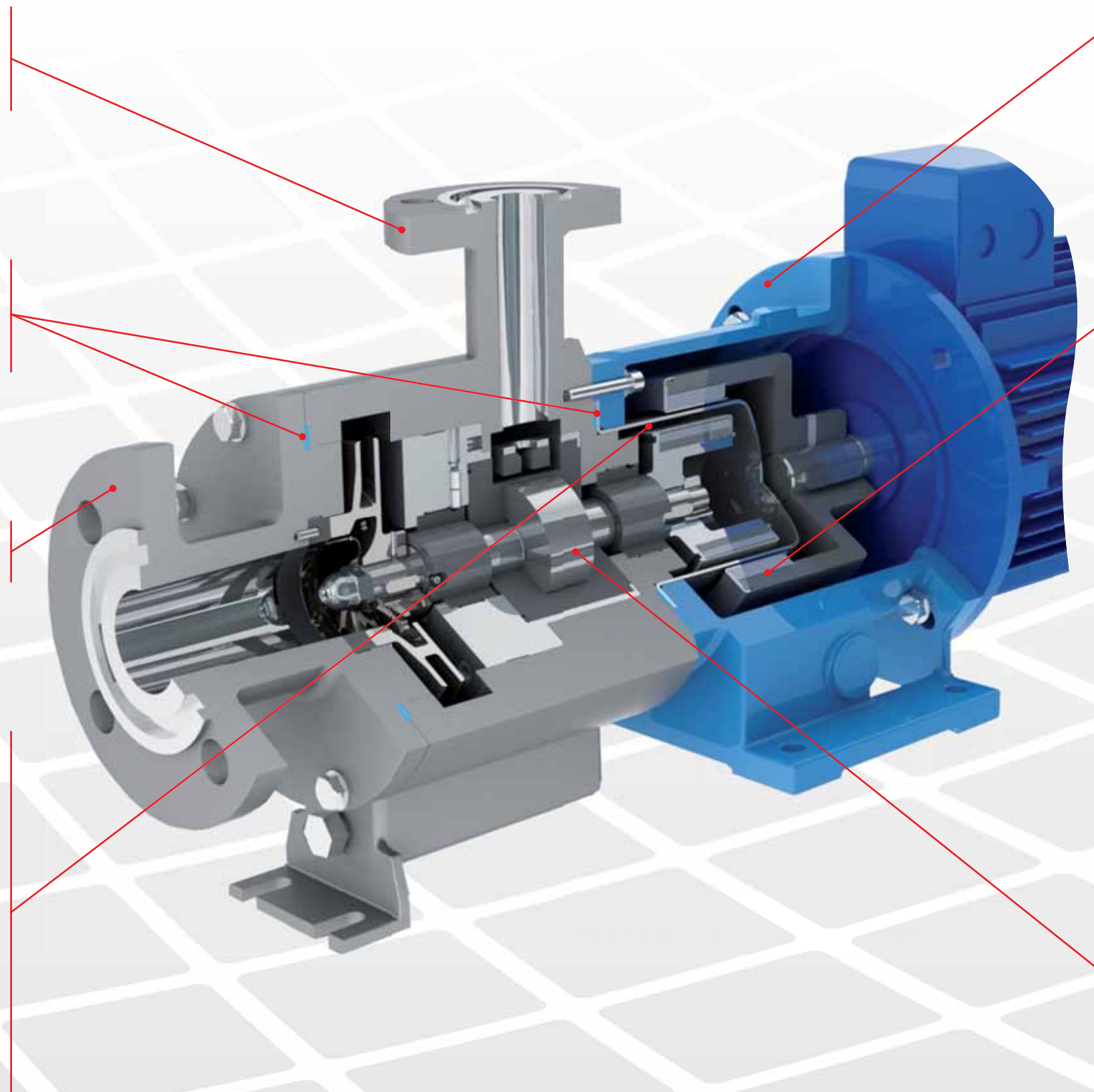
Sealing system with flat gaskets prevents product from leaking to the atmosphere – different materials available:

- Asbestos free
- PTFE (standard)
- Graphoil
- GYLON®

Standard connections available:  
DIN Flanges PN25, ANSI Class 150 and 300lbs.  
Others standard available on request.

The rear shell is made of one single piece, no welding, ellipsoidal profile that has been studied to withstand higher pressures than the traditional one.

Available two versions, AISI 316 the standard construction, and Hastelloy® C276 for high pressure version - providing a safe and efficient solution – system pressure max 150bar. Titanium Alloy is an upgrade when higher pressure ratings and increased efficiency are required.



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



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

The high performance magnets can operate at liquid temperature of up to 392 °F (200 °C).

**STANDARD VERSION:** CARTRIDGE PHENOLIC GRAPHITE, ROTOR SS316.

**"1 SiC" VERSION** (for low viscosity or for chemical resistance): CARTRIDGE ANTIMONY CARBON or PHENOLIC GRAPHITE, ROTOR SS316 W/SiC BEARINGS.

**"2 SiC" VERSION** (extreme differential pressure): CARTRIDGE ANTIMONY CARBON or PHENOLIC GRAPHITE, ROTOR SS316 W/SiC BEARINGS VS SiC STATIONARY BEARINGS.

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







**VIKING  
PUMP**

A Unit of IDEX Corporation

Viking Gear Pumps

**Liquiflo** 

Liquiflo Gear Pumps



**FINISH THOMPSON INC.**

Finish Thompson Drum & Centrifugal Pumps

**MICROPUMP**

Micropump Gear Pumps

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