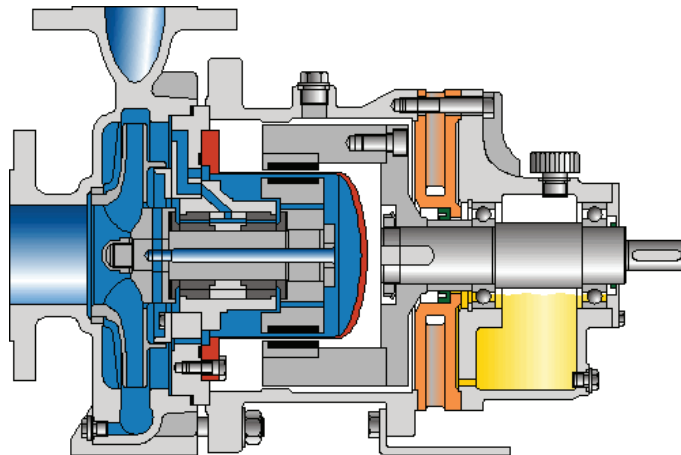


ROTATING RIGHT

# SLM-NVO-HT HIGH TEMPERATURE MAGNETIC DRIVE PUMPS

## High Temperature Centrifugal Pumps



### Technical Data

- Flow rates up to 5500 GPM
- Total delivery heads up to 575 feet
- Temperature ratings from -185°F (-120°C) to +840°F (+450°C)
- Flange rating per ANSI B16.5 Class 300
- Special constructions up to 5800 PSIG

### Construction

- horizontal centrifugal pump
- permanent magnet drive system, no shaft duct
- separation of liquid chamber/atmosphere by means of an isolation shell
- synchronous drive transmitted by inner and outer magnet systems
- internal bearings made of pure, sintered silicon carbide, alpha grade, liquid lubricated, for absorption of radial and axial loads
- bearings of outer magnet carrier: deep groove ball bearing
- centerline mount

## Materials

pump casing: 316 SS  
impeller: 316 SS  
isolation shell: 316 Ti/Hastelloy C4  
inner magnet carrier: 316 Ti/Hastelloy C4  
internal bearings: Silicon Carbide, Alpha Grade  
bearing frame assembly: Cast Steel/Nodular Cast Iron  
magnets: Rare Earth Samarium Cobalt

## Applications

Refineries  
Chemical and petrochemical  
industries  
Pharmaceutical industries  
Fibers industries

## Pumping

hydrocarbons  
heat transfer liquids  
aggressive, explosive  
and toxic liquids

## Special Alloys

Hastelloy B 1 (B)  
Hastelloy C 1 (C)  
Titanium

Other materials available.



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