

Series CA

Magnetic Drive Centrifugal Pump

MICROPUMP®

For high-flow applications requiring design simplicity, trust the reliable Micropump® Series CA Magnetic Drive Centrifugal Pump. The Series CA uses Micropump's unique leak-free magnetic drive technology, providing excellent chemical resistance and energy-efficient fluid delivery. For easy maintenance, the Series CA features an integrated impeller and magnet assembly to reduce the number of rotating parts and maximize pump life.

Small Size

The miniature package size of the Series CA is easily incorporated into the design of many systems.

Simple Construction

For long life and easy service, Series CA uses a minimal number of moving parts. Its impeller/magnet assembly integrates rotating parts into one element, which reduces alignment problems, failures, and wear rates.

Superior Chemical Resistance

Impellers and wetted parts are made of PTFE and 316 stainless steel to provide excellent chemical compatibility and ensure maximum service life under the most demanding conditions.

Energy Efficient Delivery

The Series CA pump housing is investment-cast in 316 stainless steel to ensure smooth flow with maximum corrosion resistance. A volute-type casing passageway is proportioned so fluid maintains its velocity head with minimal energy loss and low required input power.



Wide Range of Options and Configurations

Micropump's designs offer the flexibility to customize products to meet your more challenging requirements.

Innovative Designs

Micropump uses the latest engineering tools and manufacturing equipment to produce the most innovative pumping solutions available. Products are developed using state-of-the-art CAD, Finite Element Analysis (FEA), and rapid prototyping tools to ensure the highest level of product quality and reliability.

Enhanced Efficiency

As part of the IDEX Health & Science Group, Micropump now offers fully-integrated liquid subassemblies, gas management systems, and precision components. Products include pumps, valves, manifolds, tubing, fittings, degassing/debubbling systems, air compressors, vacuum generators, and HPLC columns. Additional services are custom fluidic engineering and development, contract manufacturing, extrusion, molding, machining, and diffusion bonding.

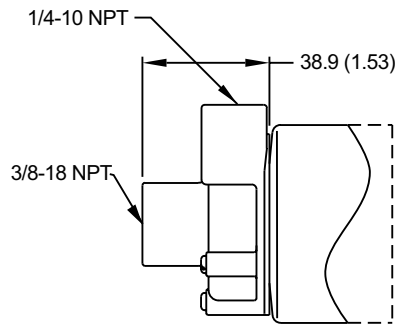


Precision Engineered Fluidics™

Performance Summary

- Flow Rate at 9,000 rpm
 - ▶ 27 L/min (7.1 gpm)
- Maximum Head
 - ▶ 14 meters (45.93 ft)
- Maximum Rated System Pressure
 - ▶ 197 psi (13.6 bar)
- Temperature Range
 - ▶ -46–122 °C (-50–250 °F)
- Viscosity Range
 - ▶ Up to 100 cps
- Suction Capabilities
 - ▶ Consult distributor

Dimensions



Units: mm (in.) Nominal dimensions shown.

Pump Construction

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Wetted Materials

Impeller Assembly

- ▶ 316 stainless steel impeller
- ▶ PTFE bushings
- ▶ 316 stainless steel/PTFE driven magnet

Pump Housing

- ▶ 316 stainless steel

Static Seals

- ▶ Viton®
- ▶ PTFE

Thrust Plate

- ▶ PTFE

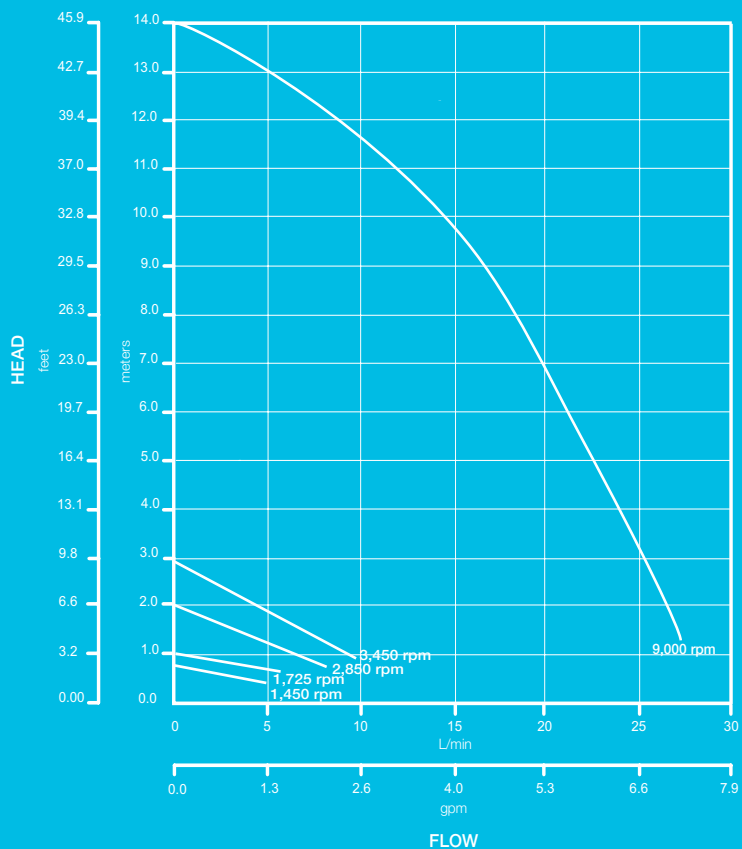
Driving Magnet

Rare earth magnet encapsulated in PTFE/316 stainless steel

Drive options

- ▶ AC
- ▶ DC
- ▶ Air Motor
- ▶ Electromagnetic

Pump Performance



ACTUAL PERFORMANCE MAY VARY.

Specifications are subject to change without notice.

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