

CA SERIES CENTRIFUGAL STYLE TECHNOLOGY

For high-flow applications requiring design simplicity, trust the reliable Micropump® CA Series Magnetic Drive Centrifugal Pump.

The CA Series magnetic drive removes the need for direct drive connection to the pump impeller, eliminating leak points associated with shaft seals, while providing energy-efficient fluid delivery. Stainless steel construction provides superior chemical and abrasion resistance.

MAGNETIC DRIVE CENTRIFUGAL PUMP

SEVERE DUTY

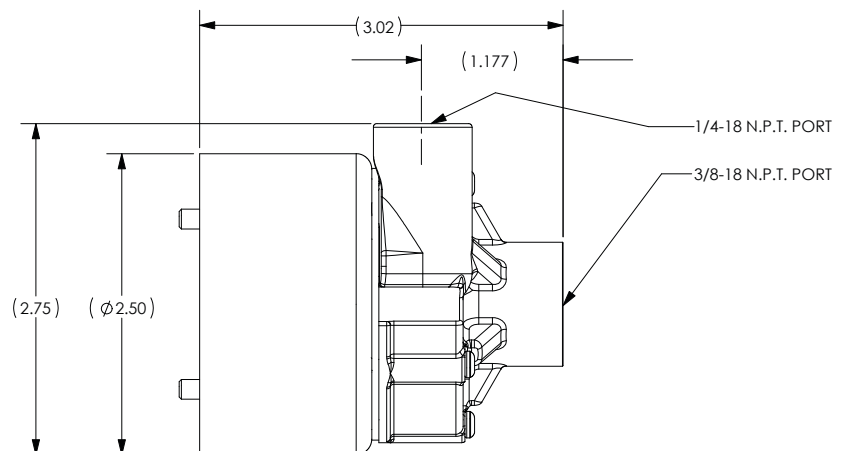
The abrasive performance of the CA Series is what makes the Micropump centrifugal pump unique. The stainless steel impeller and design of the thrust plate allows for abrasive particles to flow through the pump without significant wear or degradation of performance.

SMALL SIZE

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

SIMPLE CONSTRUCTION

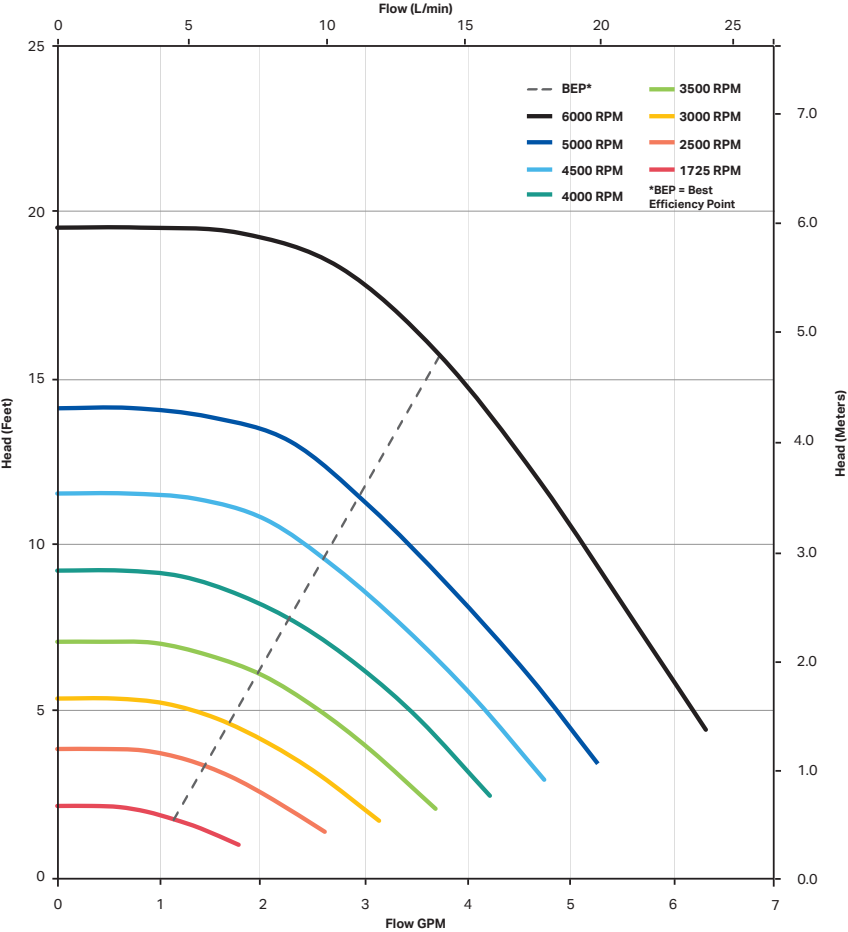
For long life and easy service, Series CA uses a minimal number of moving parts. Its impeller/magnet assembly integrates rotating parts into one element, which reduces alignment problems, failures, and wear rates.



Pump and motor adapter only.
Units: inches.
Nominal dimensions shown

PUMP FLOW RANGE

(Constant Speed Curves)



MAGNETIC DRIVE CENTRIFUGAL PUMP

CENTRIFUGAL STYLE PUMPS

Centrifugal pumps offer a reliable, simple, long-lasting design for higher flow applications. Magnetic drive centrifugal pumps provide energy-efficient fluid delivery.

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.

EASY TO SERVICE

CA Series features an integrated impeller and magnet assembly to reduce the number of rotating parts and maximize pump life.

CHEMICALLY RESISTANT

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

PERFORMANCE SUMMARY

WATER @ 1 cps
MAXIMUM FLOW RATE AT 6000 RPM
■ 24 L/min (6.30 US gpm)

MAXIMUM HEAD AT 6000 RPM
■ 5.95 meters (19.5 ft)

MAXIMUM RATED SYSTEM PRESSURE
■ 13.8 Bar (200 psi)

TEMPERATURE RANGE
■ -46 to 121 °C (-50 to 250 °F)

VISCOSITY RANGE
■ Up to 100 cps

NPSHR
■ 5.8 ft

PUMP CONSTRUCTION

■ Magnetic drive centrifugal pump

WETTED MATERIALS

IMPELLER ASSEMBLY

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

PUMP HOUSING

- 316 stainless steel

STATIC SEALS

- PTFE

THRUST PLATE

- PTFE

DRIVING MAGNET

- Ferrite magnet encapsulated in PTFE/316 stainless steel

DRIVE OPTIONS

- AC
- DC
- Air Motor
- Electromagnetic