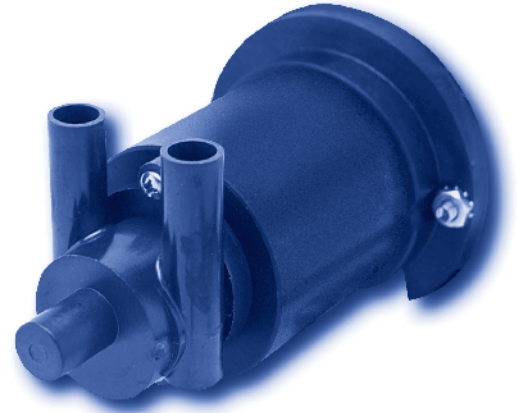


MICROPUMP®

# SERIES VA

## MAGNETIC DRIVE SLIDING VANE PUMP

**+** **Series VA** - An exclusive design that combines the high flow of a centrifugal pump with the pressure producing and self-priming capabilities of a positive displacement pump. The Series VA's magnetic drive means no shaft seals leak, run hot or wear out. Material construction consisting of 100% engineered plastic ensures that fluids will not come into contact with any metallic parts. The pump operates at low speeds with a quiet, gentle, low-shear, non-pulsing action.



### SMALL SIZE

The high displacement per revolution delivers flows that are usually found in much larger pumps.

### LEAK-FREE

The magnetic drive and a single static O-ring seal keep the fluid securely inside the pump and potential contaminants out.

### NON-METALLIC CONSTRUCTION

Constructed from PPS, the Series VA pump and its Parylene-coated driven magnet are unaffected by chemicals and solvents. A wide range of O-ring materials are available.

### LOW PRESSURE PERFORMANCE

Perfect for sensitive applications, Series VA pumps accommodate differential pressures up to 1.03 bar (15 psi) and flow rates to 14.0 L/min (3.75 gpm).

### FLEXIBLE MOTOR CAPABILITY

For maximum flexibility, the Series Varna easily couples up to AC or DC Drives.

### EASY TO CLEAN & SERVICE

By simply removing two screws, the Series Varna can be completely disassembled, leaving all surfaces exposed for cleaning or autoclaving. The pumps can also be easily serviced using a Micropump service kit and simple and tools.

### GENTLE PUMPING ACTION

With its non-pulsing action and low speed operation, the Series Varna is perfect for pumping shear sensitive fluids, liquids with soft particles in suspension and high viscosity fluids.

### 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. Precision CMM and CNC manufacturing equipment ensure the highest level of product quality.

### PROVEN RELIABILITY

Over 40 years of experience solving the most difficult pumping problems go into the design and manufacture of every Micropump product, ensuring the most reliable pumping solution available.

### ENHANCED EFFICIENCY

As part of the IDEX family of companies, Micropump utilizes Kaizen, Lean Manufacturing, Value Stream Mapping and Six Sigma process improvement strategies to continually meet the challenge of improving quality while increasing productivity—all of which help Micropump better meet the pumping needs of customers in an increasingly diverse range of markets.

# SERIES VA

## PERFORMANCE SUMMARY

### FLOW RATE AT 1750 RPM

14.0 L/min (3.75 gpm)

### MAXIMUM DISPLACEMENT

8.17 ml/rev (2.16 gal/1000 rev)

### MAXIMUM RATED DIFFERENTIAL PRESSURE

1.03 Bar (15 psi)

### TEMPERATURE RANGE

0 to 38°C (32 to 100°F)

### VISCOSITY RANGE

0 to 100 cps

## PUMP CONSTRUCTION

- Magnetic drive vane pump
- Four sliding vanes
- O-ring seal

## WETTED MATERIALS

### BASE MATERIAL

- PPS

### VANE MATERIAL

- PPS

### DRIVING MAGNET ENCAPSULATION

- Parylene

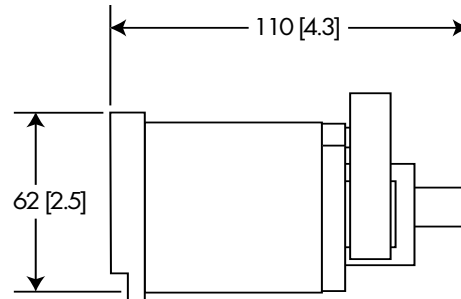
### STATIC SEALS

- Viton
- EP
- Buna N

## DRIVE OPTIONS

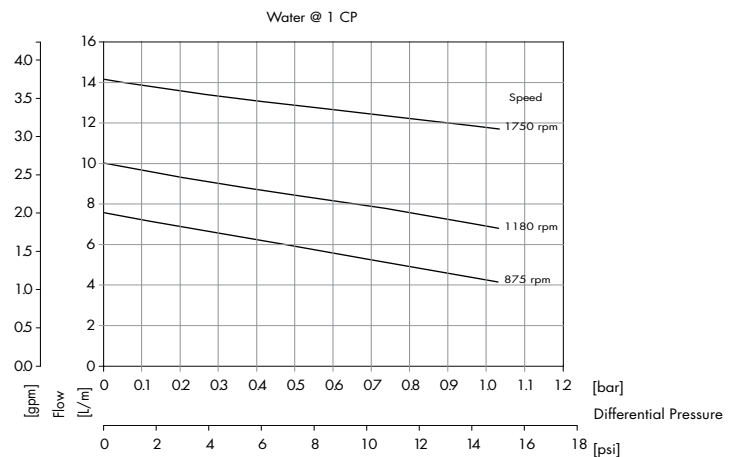
- AC
- DC

## DIMENSIONS

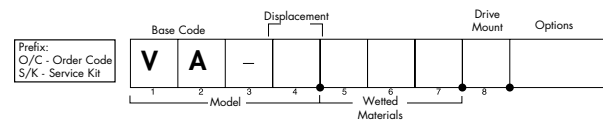


Units: mm [in] - Nominal dimensions shown

## PUMP PERFORMANCE



## ORDER CODE



CALL YOUR LOCAL DISTRIBUTOR OR MICROPUMP DIRECTLY FOR CUSTOMIZED OEM SOLUTIONS.

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**MICROPUMP**  
IDEX CORPORATION



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MP500-04/2006