

## New Compact Magnetic Drive Centrifugal Pumps

These compact, sealed centrifugal pumps deliver high flow rates at a very affordable price. Ideal for portable pump or solar-powered applications. The pulse-less operation is ideal for general transfer applications. Operate these pumps fully submerged or in open air. The magnetic-coupled pump head eliminates potential leaky shaft seals. The submersible motors are sealed with a thick epoxy coating allowing the motors to be completely submerged or operated in open air.

Select from several models with different flow rates. Vary the flow rate for all models by adjusting a valve on the discharge tubing or varying the voltage to the motor. Continuous-duty with thermal cutoffs. Polypropylene body, ceramic magnetic and Viton® o-ring. Do NOT run dry. Terminal connections on air-cooled motors; 18" wire on submersible. One year warranty.

### SPECIAL FEATURES

*Variable-flow design with high flow rate.  
Seal-less magnetic drive pump for leak-free performance.  
Flow rates up to 2.7 GPM (11 LPM)  
Permanent Magnet or Brushless DC motors  
Chemical-resistant construction.*



PC40.001



PC40.013

**Select from pumps with Variable-flow, Brush or Brushless DC Motors in Submersible or Open Air packages.**

### APPLICATIONS

*Solar Applications  
Refrigeration Systems  
Photographic Equipment  
Bulk Fluid transfer  
Cooling Systems*

### SPECIFICATIONS

**Flow rates: (nom.):** 2.7 GPM (11 LPM)  
**Max. Discharge:** 10.5 ft hd (4.5 psig)  
**Port Size (OD):** 3/8" npt(f) inlet / 3/8"hb outlet  
**Max Operating Temp:**  
 Open Air Motor 87°C (190°F)  
 Submersible Motor 71°C (160°F)  
**Ambient Fluid Temp:** -10°C to max operating temp.  
**Wetted Parts::** Epoxy body and PVC wire for submers Noryl, nylon, Buna N, 316SS spindle. ceramic magnet, chemloy washer  
**Max. Viscosity:** 50 cPs  
**Max. Intern. Pressure:** 50 psig (3.4 bar)  
**Power Req:** 7-14 Vdc (12Vdc); 12-28Vdc (24Vdc)  
**Current (Full Load):** See ordering info.  
**Motor Type:** 1/150 hp PM or Brushless DC  
**Motor Life (hrs):** 3000 (PM); 50,000 (BLDC)  
**Dimensions (L x W x H):** 130 x 72 x 66mm (5.12 x 2.81 x 2.6")  
**Shpg Wt:**  
 Open Air Motor 0.45 kg (1 lbs)  
 Submersible Motor 0.54 kg (1.2 lbs)

### PC40AC ORDERING INFORMATION

#### OPEN AIR MOTOR

**PC40.001** Pump, Brush PM, 12Vdc; 1A  
**PC40.002** Pump, Brush PM, 24Vdc; 0.5A  
**PC40.011** Pump, Brushless, 12Vdc; 1A  
**PC40.012** Pump, Brushless, 24Vdc; 0.5A

#### SEALED, SUBMERSIBLE MOTOR

**PC40.003** Pump, Brush PM, 12Vdc; 1A  
**PC40.004** Pump, Brush PM, 24Vdc; 0.5A  
**PC40.013** Pump, Brushless, 12Vdc; 1A  
**PC40.014** Pump, Brushless, 24Vdc; 0.5A

#### For more information contact:

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