

## New Variable-Flow 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 pulseless operation is ideal for general transfer applications. The magnetic-coupled pump head eliminates potential leaky shaft seals. The remote control options integrate easily with PLC or computer operated systems.

Select from two different motor types. 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. PVC housing. 2.5 x 5.5mm power jack. Do NOT run dry. One year warranty.



PC40V2.002

### 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.*

### APPLICATIONS

*Laboratory Applications  
Process 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:** 87°C (190°F)  
**Ambient Fluid Temp:** -10°C to max operating temp.  
**Wetted Parts::** PP body, Ceramic spindle, Viton® O-ring  
**Max. Viscosity:** 50 cPs  
**Max. Intern. Pressure:** 50 psig (3.4 bar)  
**Power Req:** 12Vdc; 24Vdc  
**Power (Full Load):** 12W  
**Remote Control:** V2 - mini phone jack; V3 - DB9 connector  
**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 100 x 100mm (5.12 x 4 x 4")  
**Shpg Wt:** 1 kg (2.2 lbs)

Control Module Features	V1	V2	V3
Manual flow control, on/off switch	•	•	•
Remote analog start/stop		•	•
Remote flow control (0-5Vdc)			•

### PC40VC Ordering Information

Flow LPM	Motor type	Pump Part No.	
		12Vdc	24Vdc
5.5 - 11	Brush PM	PC40VX.001	PC40VX.002
5.5 - 11	Brushless	PC40VX.011	PC40VX.012

Flow rate listed are nominal and will vary depending upon fluid viscosity

### VAC power supply

Convert these compact drives to VAC models with a compact power supply. 5.5 OD x 2.5mm ID (center + ) connector. Add the suffix to the part no. to include the power supply.

- U Power supply, 115Vac/12Vdc, 0.5mA; US Std plug.
- E Power supply, 230Vac/12Vdc, 0.5mA; Europ. plug.

### For more information contact:

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