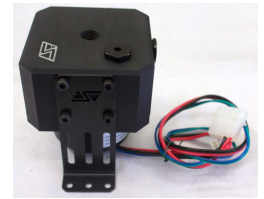
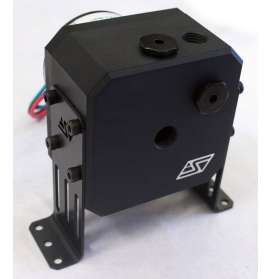




# Swiftech MCP655-PWM 12v Water D5 Pump Module - PWM - Acetal

\$114.95

## Product Images





## Short Description

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The MCP655 Series pumps are high reliability, high pressure industrial pumps, featuring a 50,000 hour MTBF (5 year lifetime). Such reliability is afforded by the unique design of the motor, which contains only one moving part: the magnetically driven spherical impeller spins on a single ceramic bearing, thus extending the life of this pump beyond existing standards.

## Description

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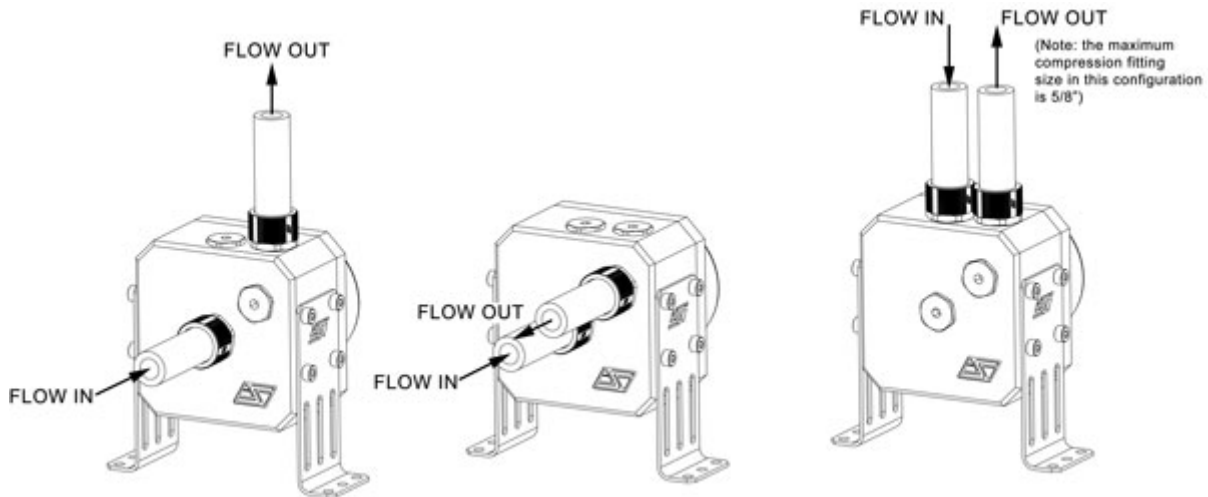
The MCP655 Series pumps are high reliability, high pressure industrial pumps, featuring a 50,000 hour MTBF (5 year lifetime). Such reliability is afforded by the unique design of the motor, which contains only one moving part: the magnetically driven spherical impeller spins on a single ceramic bearing, thus extending the life of this pump beyond existing standards.

The pumps are completely plug-and-play, and connect directly to the computer power-supply with a standard 4 pin power connectors. Depending on the model, the pump speed can be varied using the Motherboard PWM control. The MCP655 series compact design, quiet, reliable and powerful motor make them ideally

suited for heavy duty liquid cooling applications where quiet operations are essential.

## Features

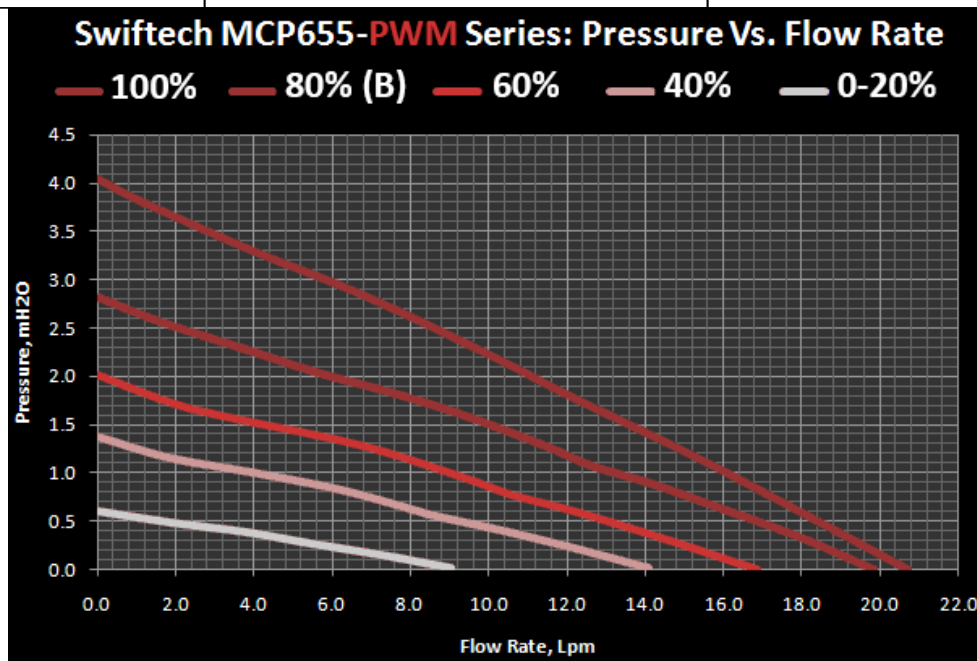
- 50,000 hours MTBF (Mean Time Between Failure) equivalent to 5 years lifetime
- Superior 12 Volts DC convenience: plugs into the computer power supply
- The MCP655 can be used with full confidence in any MP servers, and high-end workstations
- Superior real world performance
- High pressure capability of the MCP655 is particularly well adapted to high-flow systems using 1/2" ID tubing
- The pump speed can be adjusted using the motherboard PWM signal (CPU\_Fan header) to yield top performance or virtually silent operations (models MCP655-PWM-OEM/ACETAL/ACRYLIC only)
- Compact Design.
- Quiet operations even at high speed thanks to new chipset controller
- 1/2" built-in barb fittings (MCP655-PWM-OEM, and MCP655-B models)
- The pumps require no maintenance when used with de-mineralized water, and anti-fungal additives (Swiftech's HydrX additive is recommended).
- The MCP655-PWM-ACRYLIC and PCP655-PWM ACETAL mounting brackets allow installation of the pump in either vertical, or horizontal orientation.
- Four G1/4 threaded ports are present on the MCP655-PWM-ACRYLIC and PCP655-PWM ACETAL models, (fittings are not included): users can configure the flow path in 3 possible settings: 1/ Inlet on the pump face, outlet on the side face, or 2/ Inlet and outlet on the pump face, or 3/ Inlet and outlet on the side face.



## Specifications

SPECIFICATION	MCP655 SERIES ALL PWM MODELS	MCP655-B
Nominal Voltage	12 V DC	12 V DC
Operating Voltage	8 to 24 V DC 8 to 24 V DC	8 to 24 V DC 8 to 24 V DC
Nominal Power (@ 12 V)	24 W	24 W

Nominal Current (@ 12 V)	2 Amps	2 Amps
Speed control	Via motherboard PWM CPU_Fan signal - Note: pumps runs at full speed by default when PWM is not connected	None
RPM signal & range	Yes - 800 to 4800 rpm	None
Motor Type	Electronically Commutated DC Spherical Brushless Motor , with automatic overload protection and low in-rush current	Electronically Commutated DC Spherical Brushless Motor , with automatic overload protection and low in-rush current
Nominal Head (@12v)	~ 13 ft (4 m)	~ 10 ft (3.1 m)
Nominal Discharge (@12v)	~ 330 GPH (1250 LPH)	~ 317 GPH (1200 LPH)
Connection Type (MCP655-PWM OEM)	1/2" barbs (10mm)	1/2" barbs (10mm)
Connection type (MCP655-PWM ACETAL & ACRYLIC)	G 1/4 ports (4) - fittings not included	N/A
Maximum (working) Pressure	50 PSI (3.5 BAR)	50 PSI (3.5 BAR)
Temperature Range	32 °F to 140 °F (0 °C to 60 °C)	32 °F to 140 °F (0 °C to 60 °C)
Electrical Connector	Molex 4-pin	Molex 4-pin
PWM & RPM signal	Mini 4-pin	N/A
Weight	1.4 LB (650 g)	1.4 LB (650 g)
Impeller material	Noryl	Noryl



## Additional Information

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Brand	Swiftech
SKU	MCP655-PWM-ACETAL
Weight	1.6000
Color	Black
Pump Type	Laing D5 PWM
Pump Voltage	12-24VDC

