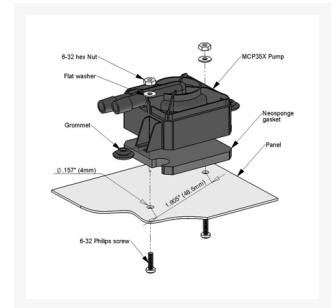




Swiftech MCP350 12 VDC DDC Pump

\$206.95

Product Images



Short Description

As the computer industry continues to accelerates its pace towards implementing liquid cooling solutions, pumps have become a pivotal concern for the adoption of such systems in mission critical machines. Small size, low or no maintenance, similar to that afforded by fans, and extended reliability are prerequisites for the successful transition from air to liquid cooling systems.

Description

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Retention Mechanism

The MCP350™ can either be installed with the built-in neoprene pad featuring a peel-off adhesive back, or permanently with thru-bolts.

Features

Introducing the MCP350™ pump: despite a remarkably small footprint of 2.4" square, the MCP350 features an astounding 13ft of head to provide superior flow rates in today's most complex liquid cooled systems. The MCP350 is also a high reliability, high pressure industrial pump, featuring a 50,000 hour MTBF (5 year lifetime). Such reliability is afforded by the unique design of this pump, which contains only one moving part: the magnetically driven rotor/impeller spins on a single ceramic bearing, thus extending the life of this pump beyond existing standards.

The pump is completely plug-and-play, and connects directly to any computer power-supply through standard 4 pin power connectors. It's compact design, quiet and powerful motor make it ideally suited for heavy duty cooling in environments where space is at a premium.

Summary of benefits

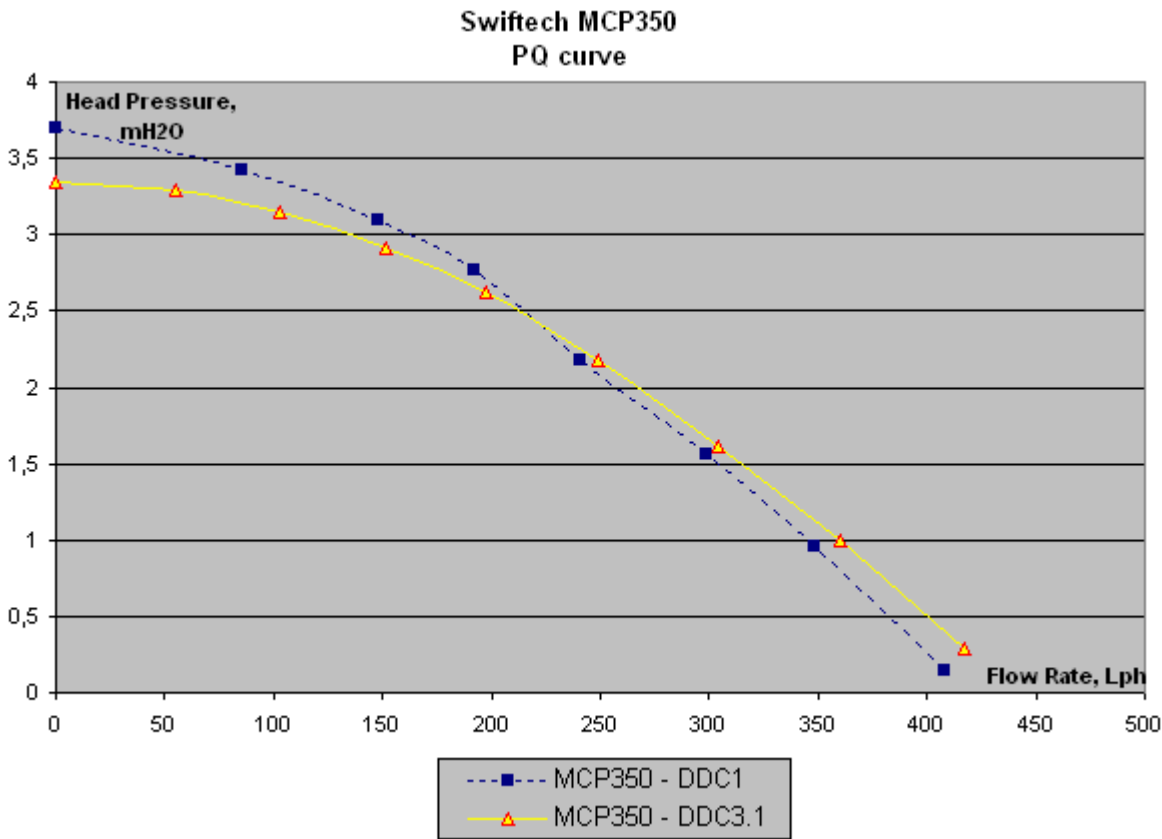
- Small Footprint: 2.4" x 2.4" x 1.5"
- 50,000 hours MTBF (Mean Time Between Failure) equivalent to 5 years lifetime.
- Superior 12 Volts DC convenience: plugs into the computer power supply
- The MCP350™ can be used with full confidence in any MP servers, and high-end workstations.
- Superior real world performance thanks to its high pressure characteristics (13ft of head). The MCP350™ is particularly well adapted to the proliferation of daisy-chained liquid cooling devices in a single circuit: Multiple Processors, Chipset, Graphics, and Hard Drives.
- Quiet Operation thanks to brushless motor: 24 to 26 dBA
- 3/8" barb fittings.
- No maintenance when used with de-mineralized water, and anti-fungal additives (Our HydrX™ additive is recommended)
- Quick installation with adhesive neoprene pad, or permanent installation with screws and grommets.
- RPM sensor plugs to 3 pin motherboard fan connectors and reports impeller rotational speed

Specifications

Nominal voltage	12 V DC
Operating voltage range	8 to 13.2 VDC
Nominal power (@ 12 V)	8.3-12W
Nominal current (@ 12 V)	.69-1 amps
Nominal head (@ 12 V)	10.8 ft (3.3 m)
Nominal discharge (@ 12 V)	~ 116 GPH (440 LPH)
Connection size	3/8" barbs (10mm)
Maximum pressure	22 PSI (1.5 BAR)
Temperature range	Up to 140°F (60°C)
Electrical connector	Molex 4 pin
Weight	7.3 oz (207 gr.)

Our noise measurement (non lab environment)	24 ~ 26 dBA in a quiet room @ 2'
Motor type	Electronically commutated, brushless DC
Pump MTBF (Mean Time Between Failures)	50,000 Hours

P/Q curve



Dimensions



Exploded View



Additional Information

Brand	Swiftech
SKU	MCP350
Weight	2.0000
Color	Black
Pump Type	DDC
Pump Voltage	12 VDC

