

# Hydrocool200EX

X T R E M E \* W A T E R \* C O O L I N G \* S Y S T E M

The Hydrocool200EX is a fully contained, highly efficient external water cooling system for high performance Personal Computers. The system includes all necessary mounting hardware for P4 Northwood and Athlon XP CPUs. Mounting hardware for other CPUs, and cold blocks for the GPU and chipset northbridge are sold separately.

This system not only cools your hottest components, it also carries the heat right out of the chassis and dissipates it through a radiator. The Hydrocool200EX can be installed in minutes, and typically keeps your CPU 10°C cooler than air cooling.

This product was jointly developed by Corsair and Delphi Thermal Systems. Corsair Memory has been a leader in the design and manufacture of high speed memory since 1994. Delphi is one of the world's largest manufacturers of liquid cooling systems.

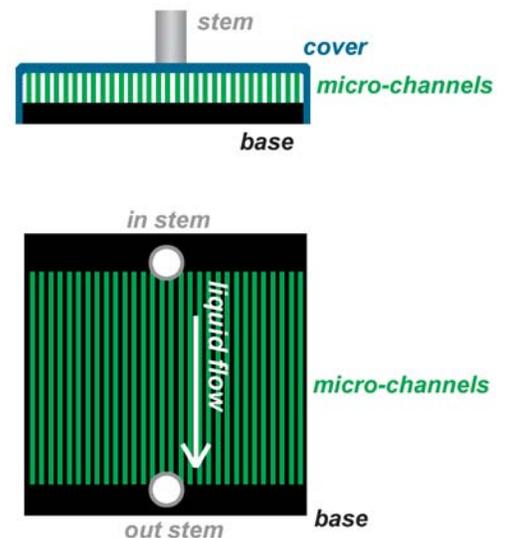


## Hydrocool200EX Specifications

- ➔ Maximum Power Dissipation: 200 Watts.
- ➔ Thermal RSA Rating: 0.13°C/W.
- ➔ Overall Dimensions: 6.5"w x 7.5"h x 14"d; Dry weight ~8 lbs.
- ➔ Power Requirements: 12-Volts DC, 14 Watts.  
Powered by your PC power supply -- no external power required.

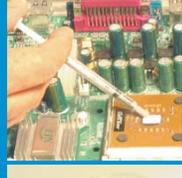
## Patented Low-Flow Micro-Channel Technology

The core of the Hydrocool200EX system is a 4.5 ounce copper cold block. The cold block was engineered by Delphi thermodynamics experts to maximize the surface area with the liquid. Though small in size, the cold block has dozens of copper micro-channels that transfer heat from the copper base to the liquid. The aspect ratio (width and height) of the micro-channels was calculated for optimum heat transfer at low-speed flow. The advantages of Micro-channel technology are not only greater cooling efficiency, but also less liquid flow is needed, and the lighter block puts less stress on the CPU socket.



## Hydrocool200EX Features

- ➔ Integrated, fully contained unit includes all necessary hardware to cool your Athlon XP or P4 Northwood CPU
- ➔ Runs on PC power; starts up and shuts down automatically with PC
- ➔ Easy to Install in minutes with just a screwdriver

	<p><b>PUMP</b> - quiet, powerful 12-Volt DC German-made Bosch pump. Rated at 120 gallons per hour.</p>		<p><b>ELECTRONICS</b> - microcontroller-based circuitry controls alarms for over-temp, low fluid, and has auto-shutdown.</p>
	<p><b>RADIATOR</b> - efficient, two-pass Delphi heat exchanger with hundreds of aluminum louvers.</p>		<p><b>RESERVOIR</b> - sturdy welded aluminum top-fill, fillable with unit running or not. Low-fluid sensor.</p>
	<p><b>FAN</b> - two-speed (1700/2600 RPM), 120mm brushless 12-Volt DC fan.</p>		<p><b>FLUID</b> - non-toxic, non-corrosive cooling agent.</p>
	<p><b>COLD BLOCK</b> - patented low-flow microfin technology. Copper block with polished base.</p>		<p><b>CLAMPS &amp; VALVES</b> - drip-free, self-sealing nylon valves. Unit can be disconnected and transported without draining.</p>
	<p><b>THERMAL GREASE</b> - Shin-Etsu. <i>Probably the best thermal paste available today. It is THE choice for serious overclockers.</i> -- SpecialTech.co.uk</p>		<p><b>FLOW METER</b> - shows liquid flow at a glance.</p>
	<p><b>HOSES</b> - 60-inch long, kink-resistant thick silicon rubber. 3/8-inch outside diameter.</p>		<p><b>TEMPERATURE SENSOR</b> - thermistor built into the cold block senses cold block temperature.</p>
	<p><b>LED DISPLAY</b> - digital display shows cold block temperature in Centigrade or Fahrenheit. Also displays alarm codes.</p>		<p><b>CHASSIS</b> - steel frame with tinted translucent cover. Steel fan grills with dust screens. Carrying handle. Rubber feet.</p>