

Liquid to Liquid Laboratory Heat Exchanger

The eVap™ 1500 Heat Exchanging Water Cooling Unit offers an efficient means to cool laboratory processes and equipment without using tap water or small air-cooled chiller units with compressors. This eliminates the flood risks associated with using tap water, and saves potentially thousands of gallons of fresh water a day at continuous use—while removing the heat, noise and complexity associated with many compressor chiller units as well.



ONE UNIT

Up to 300 gallons of cooled water per hour

Flexible connection to standard 110 volt power supply

Increased lab efficiency with reduced heat, noise and vibration

Prevents laboratory flooding using a lab loop requiring less than one liter of water.

Can be installed in minutes without special tools.

FEATURES

High pressure pumps with variable speed drive

Digital electronic controls

Touch screen with digital display with remote DDC access

Optional water conductivity sensor

Proportional/integral/derivative (PID) control loop adjustment

Water temperature controlled to a precise +/- 0.1 degree Celsius

Solid steel frame with rollers for portability

Fits under most laboratory benches

14.5 KW (over four tons of cooling capacity)

Built-in Data Logging Capacity with USB port output

Plugs into a standard 110v power outlet

No special tools, training or utilities required for startup or operation for rapid relocation and flexibility

SPECIFICATIONS

eVap 1500	
Nominal Pump Capacity (GPM / LPM)	5 / 18.9
Cooling Capacity at 20° F dT (BTU/HR / WATTS)	50,000 / 14,700
Building Water Flow Rate at 20° F dT (GPM / LPM)	10 / 37.9
Pressure (PSI)	70
Shipping Weight (LBS / KG)	270 / 122
Speed	Variable
Electrical Maximum Power Consumption	110 volt/single phase, 5 amps
Coolant	Building Chilled Water or Process Water
Operating Temperature Range	40° – 180° F / 4° – 71° C
Dimensions (W X D X H)	34" (86cm) x 16" (41 cm) x 25" (64 cm)
Hose Connections (LAB AND BUILDING WATER)	1" (25.4 mm)
Manufactured	USA

The unit combines plate and frame heat exchanger technology, precision temperature sensors, electronic controls and variable speed drive to provide a continuous source of cool water at a precise temperature, +/- 0.1 degree C and pressure using the existing building's energy efficient process or chilled water system as the source of heat rejection. This gives laboratory personnel complete control of the type, quality, temperature and pressure of the fluid used to cool their equipment.

For prices, custom sizes, ordering or more information