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## BV Thermal Systems offers Recirculating Chillers for Laser Cooling

BV Thermal Systems, manufacturer of Bay Voltex Chillers, Division of Budzar Industries, offers recirculating chillers for laser cooling.

Laser systems are known for a high heat flux and high ambient temperatures which require cooling precision for optimum beam quality and to prevent vibrations in the laser head. BV Thermal Systems Recirculating Chillers are used to remove heat from laser systems to prevent overheating of critical components and to extend the life and accuracy of the laser.

Utilization of heat transfer fluids along with a closed-loop system controls the temperature which results in maintaining the shape and beam of the laser. Designed for long-term use, the environmentally friendly, quiet and cost effective recirculating chillers provide quality cooling at a consistent flow rate and temperature.



BV Thermal Systems offers numerous standard models of recirculating chillers (portable and rack mount) with standard sizes ranging from 828 watts to 52,000 watts, a -40°C to +50°C temperature range and a  $\pm 0.1^\circ\text{C}$  temperature accuracy. The reliable and accurate recirculating chillers are totally customizable from coolant (water, deionized (DI) water, EGW, PGW, etc.), capacity, flow rate, piping and

controller. Standard features include: Auto tuning PID Controller, Hot Gas By-Pass Valve, Adjustable High and Low Temperature Alarms and Liquid Filled Pressure Gauge. Every chiller (standard or custom) is equipped with a one year warranty on parts and service.

BV Thermal Systems, formerly known as Bay Voltex, and a division of Budzar Industries, is a leader in developing, engineering and manufacturing precision temperature control equipment for high technology industries such as Laser, Semiconductor, Medical and Pharmaceutical.

Budzar Industries specializes in process fluid heat transfer systems. Since 1975, Budzar Industries has earned a reputation for quality and ingenuity in the design, engineering, and manufacturing of temperature control systems. Today, Budzar Industries systems are found throughout the world bringing accurate temperature measurement and control to the production of: pharmaceuticals, chemicals, petroleum, plastics, rubber, paper, power, steel, and food.