



OPTI TEMP INC. has developed a combination water chiller/heater in a single unit. The OTR unit utilizes an innovative patented refrigeration circuit developed by OPTI TEMP INC. to provide very stable temperature control (± 0.2 °F) under ZERO to FULL load conditions with an operating temperature range of 30 to 190 °F.

The unit targets all applications from Photonics, Mobile Imaging, Digital Printing, Aero & Defense, Food & Beverage, and Research Institutions to name a few, and high end applications where precise temperature control is needed .

The unit is a standalone self contained system which does not require an outside source of water. The user need only set the desired temperature into the digital PID controller. Complicated plumbing changes are not required because changeover from heating to cooling is fully automatic.

OTR sizing is crucial to ensuring efficient operation. Chiller system sizing, location, fluid selection and maintenance procedures all affect a chiller's cooling performance. Overlook one of these variables, and your plant likely will waste thousands of dollars on excess energy consumption and equipment repair. Sizing parameters should be determined by performing a thorough calculation of the maximum cooling, heating and process load demands. It is important to understand that cooling loads fluctuate over time, and the size or capacity of a chilled water system must be designed to accommodate these load changes. Load requirements, as well as leaving water temperature (LWT), pump size, pump type, and pump pressure abilities should also be evaluated. Many options are available including alternate pumps, voltage configurations, filtration packages, and interlocks. More information is available by contacting OPTI TEMP INC. at 231-946-2931 or by visiting the OPTI TEMP INC. website at: <http://www.optitemp.com/chiller-heater-combination.php>.

