



MagLev™
Oil-Free
Centrifugal Chillers

“We are extremely happy with the performance of our chiller. As well as saving 60% in power costs the machine has been very reliable and working very well in cooling our wine ferments.”

Greg Silkman, Managing Director at First Creek Winery

MagLev Chiller in Winery

Hunter Valley, NSW, Australia

First Creek Winery, a vineyard in the Hunter Valley (NSW) retrofitted one of 3 existing Carrier Chillers with a Mutlistack MagLev™ Water Cooled Flooded Chiller. In doing so, they have eliminated all oil from their system and greatly increased efficiencies both at full and part load. Refrigeration can account for 50%-70% of winery electricity consumption, therefore improving the systems efficiency was of considerable interest.

In addition to providing sustainable, documentable high performance with reliability, the MagLev™ Chiller also offers both short and long term cost saving benefits. Savings have resulted due to reduced service and repair needs since removing the old chiller whilst offering a low total cost of ownership.

The retrofitted MagLev solution offered a dramatic improvement in energy and system monitoring capabilities through its FlexSys control System. The FlexSys controller allowing precise control of multiple Turbocor Compressors in different applications, as well as the ability to customize the I/O to meet the specific needs such as pumps, fans, valves, to name a few.