



Novozymes Biopharma: A world leader in Biotechnology



Novozymes Biopharma UK, a world leader in biotechnology, recently installed Hy-Save pumps on their factory process and comfort cooling systems and have made significant energy savings as a result.

Chilled water systems operating with HY-SAVE® pumps installed have seen energy savings of 33% during their first year of operation and are comfortably on target to meet Novozymes' target of an 18 month return.

Previously at the store, condensing temperatures had to be kept unnecessarily high at around 45°C to keep the evaporators operating efficiently. Since LPA ® pumps were installed in the system's liquid line, condensing temperatures have been reduced to 20°C.

"Following installation of the HY-SAVE systems to the chillers at our Nottingham site, our existing monitoring systems have seen energy used for cooling fall by 33%."

Roger Eric Freestone (Energy Manager Novozymes Biopharma UK Ltd.)

33% energy savings during first year of operation

Payback period less than 18 months

Improvements in cooling capacity

Reductions in system flash gas leading to gains in system efficiency

HY-SAVE® LPA 1984 – 2009. 25 years of genuine energy savings!

HY-SAVE's low-power, maintenance-free, liquid refrigerant pumps are designed to increase system efficiency and compressor service life. They can be incorporated into new refrigeration systems or retro-fitted into existing systems using our patented designs and LPA Free Cooling control systems. **Please visit www.hysave.com** for further information.