



HY-SAVE® The cool solution

Making refrigeration more efficient



HY-SAVE[®] is unique refrigeration technology that can:

Save you money

Cut your CO₂ emissions

Help you meet environmental legislation



Saving you money

HY-SAVE technology delivers significant energy savings that pay back promptly. For applications such as supermarket chiller cabinets HY-SAVE typically cuts energy consumption by up to 40%. By simply reducing the condensing temperature from 32°C to 18°C it will provide a saving of approximately 23%. As energy costs continue to rise, the more you gain using HY-SAVE technology.

Our technology also reduces the amount of expensive refrigerant required, and minimises the load on compressors and fans, cutting your maintenance costs too.



Cut back your CO₂ emissions

By reducing the amount of energy required for cooling, **HY-SAVE technology dramatically cuts CO₂ emissions**. Our equipment continues to eliminate at least 375,000 metric tons of CO₂ emissions every year. As more businesses grow and gain knowledge of HY-SAVE technology, essentially this benefits our planet globally.

Help meet your environmental legislation

Corporate Social Responsibility legislation is applying increasing pressure on businesses to reduce their CO₂ emissions.

By reducing your energy consumption and therefore your CO₂ emissions, HY-SAVE helps you satisfy environmental legislation. This makes your business more attractive to new, existing customers and environmentally friendly.

Improves food quality and shelf-life

The exceptional reliability of HY-SAVE technology **eliminates the need to compensate for flash gas incidents by over-chilling**. Maintaining the chiller cabinets at precisely the ideal temperature, HY-SAVE

technology helps to keep food products moist and fresh, usefully extending its shelf life.

More design flexibility

Our **unique HY-SAVE[®] liquid delivery system** is ideal for supermarkets or any other cooling application where liquid line length is extended or vertical height has a critical impact on refrigerant delivery to the chiller cabinets.

With HY-SAVE technology comes **design flexibility**. We can achieve highly efficient operation regardless of equipment design and location. HY-SAVE allows you adapt your refrigeration layout to make the most of valuable floor space.

The reliable, cool solution

At the heart of the HY-SAVE solution is the **Liquid Pressure Amplifier (LPA[®]) pump**. Unlike conventional pumps, it has minimal moving parts and is extremely reliable. HY-SAVE LPA pumps have been known to perform without fault for over 20 years.

You can look forward to a positive return on your investment and ongoing savings year after year.

"I am writing to express my confidence in the HY-SAVE LPA technology you provide. We demand that any technology we install on a performance contract be proven and reliable. The LPA, when properly applied and installed, meets those criteria. Honeywell has installed LPA projects all over the country. It has our confidence."

"As a result of your product and knowledge, Honeywell recommends LPA technology as a good effective energy saving project".

Kevin K. McKenzie, P.E Professional Engineer, Honeywell

"Two energy saving devices were tested - a Liquid Sub-Cooler and the Liquid Pressure Amplifier (LPA). Both devices improve refrigeration performance by reducing/eliminating flash gas in the liquid line. The LPA was found to produce better energy savings at all operating temperatures."

GA Vinnicombe & GA Ibrahim
ea Technology, Department of Mechanical Engineering, Kings College, London

Why HY-SAVE® Technology?

HY-SAVE patented technology is in use around the world, providing unparalleled energy, cost savings and vital environmental benefits for supermarkets, cold stores, process cooling, and air conditioning systems.

HY-SAVE Technology is supported by the HY-SAVE Group.

We offer a complete range of services that include;

Energy and Cost Savings Consulting,

Optimal Design Functionality & Efficiency Design Schematics

Installation, Technical Support, Customer Service and Training.

Energy Monitoring

HY-SAVE Group gives you the flexibility to commission a complete, end-to-end solution or simply access the expertise when needed. Each service is provided with the same impressive HY-SAVE quality paying great attention to detail resulting in a positive experience.

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