

HYSAVE Liquid Delivery System (LDS)

Improving Refrigeration Dynamics for Peak Efficiency

Patented HYSAVE refrigeration technology provides the most diverse means currently available for increasing system efficiency. The formation of vapour or "flash gas" in the liquid refrigerant line is a major cause of inefficiency in the refrigeration cycle. Traditional cooling systems counteract flash gas formation by using elevated head pressures, which can prove costly in terms of energy use, operating efficiencies and maintenance and repair downtime.

The HYSAVE Liquid Delivery System (LDS) employs a specially designed liquid refrigerant pump (LPA) to provide solid delivery of liquid refrigerant to the expansion valves. Pumping liquid refrigerant is significantly more efficient than using elevated compressor head pressures. Pump pressure subcools the refrigerant by increasing pressure in the liquid line which helps ensure quality liquid refrigerant will reach the expansion valves. The compressor no longer needs to work hard to maintain design head pressures which can now be "floated" with the ambient temperature.

Visit www.hysave.co.uk to see product variations and how it works.



Benefit Summary:

- Internet monitoring & analysis
- Provides stable refrigeration performance
- Simple installation & commissioning
- Compressor discharge desuperheating
- Benefits of floating head pressure
- Cuts energy consumption by as much as 45%
- Overcomes liquid line "Flash Gas"
- 100% liquid delivery to expansion valves
- System Low refrigerant warning / alarm

Supplied by:



Made in England

another **hy|save**™ Technology

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