

Envifreeze

The natural solution for food production and temperature controlled storage

Capacities from 100 kW – 250 kW



Envifreeze

CO₂ systems for food production and temperature controlled storage.

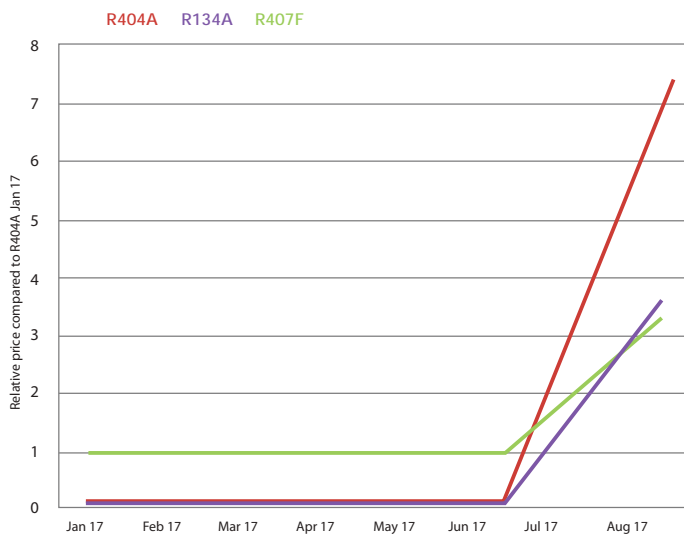
The future proofed solution providing certainty for your business.



The natural solution to F-gases

The phasing down of high global warming refrigerants under the F-Gas regulation is leading to uncertainty over which synthetic fluids will be permitted in the future, what their availability will be and how much they will cost.

2017 F-Gas Price Increases Jan - Aug 2017



Star's new Envifreeze systems provide a long term solution to synthetic refrigerants for spiral freezers, blast freezers and temperature controlled storage.

CO₂ is a naturally occurring refrigerant that has a global warming potential of 1 and is non-toxic. It is not subject to phase down under the F-Gas regulation and is both abundantly available and low cost.

Benefits

- › Eliminates the need for water, effluent and compliance with L8 legislation through use of an air cooled gas cooler.
- › Maximises flexibility with the optional weatherproof housing allowing the system to be situated internally or externally.
- › Minimal site installation requirements with the skid mounted arrangement.
- › Save energy with the option for heat recovery.
- › Uses CO₂, a naturally occurring refrigerant that has long term certainty, good availability and low cost



Features

- › Maximises efficiency by utilising 2-stage compression
- › PLC control of fan speed, compressor speed, suction pressure and discharge pressure
- › Minimises refrigerant charge and removes the requirement for refrigerant pumps by incorporating Star pioneered low pressure receiver technology
- › Improves resilience with multiple high stage and low stage compressors.