

REFRIGERANTS

Current synthetic options with high GWP, greater than 150

Examples R22, R404A, R407F, R449A

Short to medium term is A2L synthetics, below GWP150

Example R454C

**Long term solution is Natural Refrigerants

R290 GWP 3 or CO2 GWP1 or R717 GWP0**

*A2L refrigerants are classed as very low flammability potential but require special knowledge for installation, maintenance and site compliance. Installer and Farmer must understand any risks and provide mitigations required.

**Naturals are the only fully sustainable option(s) and require a professional level of understanding and experience of high flammability, high pressure and toxicity, to engage the installation, maintenance and site compliance. Installer and Farmer must fully understand the risks and provide the mitigations required.



DAIRY NEW ZEALAND

On-Farm Milk Cooling Options
The Farmer's Choice



Talk to Patton today about
the right milk cooling solution

pattonnz.com



OBJECTIVE

Direct cooling in the tank

Pre-heating wash-down water

Pre-cooling before storage

Maintaining temperature in the tank

REFRIGERATION SYSTEMS

Reliable Function

Direct Expansion refrigeration for the FHT
4kw to 40kw standard, greater capacities available

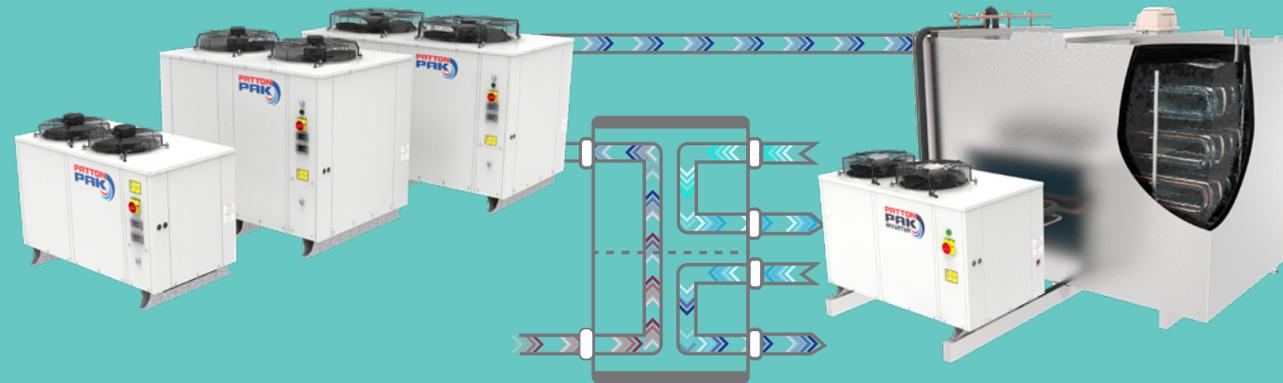


A2L-Ready Units

For GWP refrigerant <150. 12kw to 25kw can be configured for Dx and chiller application

Water and Glycol Chiller

4kw to 40kw standard, greater capacities available



Ice Bank

For pre cooling using the off-peak power opportunity
92kwh and 190kwh

ACCESSORISED

Units have energy efficient EC fans providing stable condensing.

To protect the compressor, we fit an oil control system, suction accumulator, liquid and suction filters with robust low and high, pressure control.

Heat exchangers can be added to recover free heat for water heating.

Units use galvanised steel bases, colour steel panels with (where required) heavy gauge aluminium legs, and housing covers.

