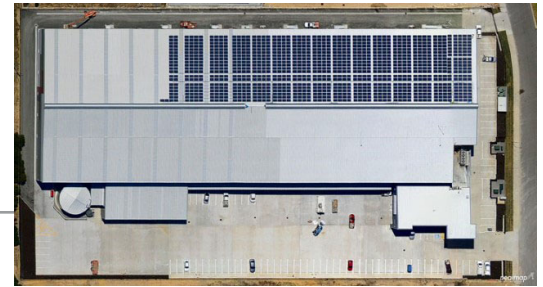




BIDVEST BIBRA LAKE Perth Australia



Type of facility: Food Service Distribution Center

Owner: Bidvest Australia Limited	Results/Benefits Delivered <ul style="list-style-type: none"> • Total ammonia charge: 485kg (1067 lbs) • Ammonia charge in all evaporators: 15kg (33lbs) • Estimated pumped ammonia charge: 2000kg (4400 lbs) • Reduction in operating cost*: 60% • Other: <ul style="list-style-type: none"> • Carbon tax levy reduced • 300kW PV solar array installed on rooftop
Location: Perth WA, Australia	
Installer: Scantec Refrigeration Technologies pty.ltd.	
Floorspace: 4500 m ² (46,300 sq ft)	
Total refrigeration load: 496 kW (141 TR) High Stage (+4 deg C) Capacity: 300kW Low Stage (-25 deg C) Capacity: 196kW	
Two-stage with VFD direct drive reciprocating compressors and evaporative condenser.	

*Compared to air-cooled HFC solution.

"The Heat Transfer Experts"

509.684.2595 | www.colmaccoil.com | PO Box 571 | Colville, WA 99114 | USA

Colmac Advanced Direct Expansion(ADX)

Benefits:

» *Significantly smaller ammonia charge*

- 7 lbs/TR vs 30 lbs/TR for pumped bottom feed
- Reduced health and safety risks
- Reduced regulatory burden (< 10,000 lbs)
- Faster defrost cycle

» **Energy efficient**

» **Lower first cost***

» **Simple operation**

*Compared to traditional pumped ammonia



CE(PED) Certification, ASME Sec. VIII, Canadian Registration Number, UL508, Canadian Standards Association



CRN



CSA

Visit www.colmaccoil.com for more information and resources:

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