



PREFERRED FREEZER SERVICES Richland WA

Type of facility: New Public Refrigerated Warehouse

Operator: Preferred Freezer Services	Results/Benefits Delivered
Installer: Unitemp Refrigeration	<ul style="list-style-type: none"> • Largest refrigerated warehouse in North America and largest automated freezer in the world. • Significant ammonia charge reduction vs pumped. • Successful on time start up and commissioning of ADX system. • Fully automated pallet storage and retrieval system. • Low oxygen fire suppression in the freezer area.
Location: Richland WA USA	
Floorspace: 455,000 sq ft (40 million cu ft)	
Total refrigeration load: 1140 TR Loading dock @ 45 deg F: 240 TR Freezer @ -5 deg F: 900 TR	
Single stage economized screw compressors with liquid injection oil cooling.	

“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

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