



JOLIET COLD STORAGE Joliet IL

Type of facility: New Public Refrigerated Warehouse

Owner: Joliet Cold Storage	Results/Benefits Delivered
Location: Joliet IL	<ul style="list-style-type: none"> ◦ Total ammonia charge: 8500lbs ◦ Ammonia charge reduction vs pumped: 72% ◦ Reduction in installed cost vs pumped: 2.4% ◦ Reduction in operating cost: 1.3% ◦ Other: <ul style="list-style-type: none"> ◦ System is easy to work on ◦ Restarts quickly after power failure ◦ "Evaporators with EEV are working well!"
Installer: AMS Mechanical	
Floorspace: 402,000 sq ft	
Total refrigeration load: 1,007 TR -10 deg F freezer and convertible rooms @ 801TR +40 deg F USDA room and loading dock @ 206TR	
Economized screw compressors with thermosyphon 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

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

[Product Information](#) | [Product Literature](#) | [Sales Rep Locator](#) | [Product Videos](#)

North American Headquarters

Colmac Coil Manufacturing, Inc.
370 N. Lincoln St. | P.O. Box 571
Colville, WA 99114 | USA
+1.509.684.2595 | +1.800.845.6778

Midwest US Manufacturing

Colmac Coil Midwest
350 Baltimore Dr. | Paxton, IL 60957 | USA

"The Heat Transfer Experts"