Your Trusted Thermal Partner

PRESTON PHIPPS
Since // Depuis 1933

Industrial Refrigeration

Custom Equipment for Demanding Systems



Ammonia + CO_2 Expertise | Custom Heat Exchanger & Vessel Fabrication

The System **Drives the Design**



More than a manufacturer. A refrigeration partner with the expertise to build around your application.

Industrial refrigeration equipment should be designed around the duty, refrigerant, operating conditions and installation—***not selected from a fixed catalog***. Preston Phipps combines thermal engineering expertise with in-house fabrication to develop equipment around the requirements of the application.

From Refrigeration Duty to Finished Equipment

01
Application
Understanding the system requirements and particular challenges

02
Thermal Design
Apply specialized industrial refrigeration and heat-transfer expertise

03
Configuration
Develop the vessel, exchanger configuration, and footprint

04
Fabrication
Manufacture the finished equipment at the Preston Phipps facility



Why the Custom Approach Matters

- Flexibility to build different sizes, materials and configurations.
- Equipment can be developed around space and connection requirements.
- Specialized understanding of ammonia and CO_2 refrigeration applications.
- Single manufacturing source from engineered concept through fabricated unit.

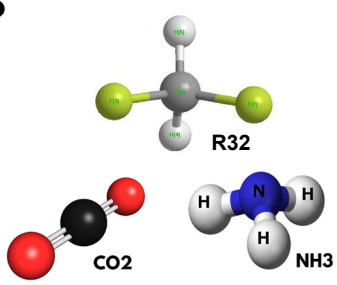


The Design Drives the Equipment

Your system isn't standard. Your equipment doesn't have to be.

When standard equipment doesn't align with the requirements of an industrial refrigeration system, Preston Phipps brings together thermal engineering expertise, specialized refrigeration knowledge and in-house manufacturing to develop equipment around the application.

What Makes Preston Phipps Stand Out from the Rest?



→ Specialized Refrigeration Expertise

Deep knowledge of the refrigerants that matter.

Extensive expertise with ammonia, CO_2 and synthetic refrigerants, providing specialized knowledge for demanding applications in cold chain logistics & storage, food & beverage processing, data centers, pharmaceutical & petrochemical facilities.

→ Engineering Experience

Nearly four decades of industrial refrigeration knowledge.

Preston Phipps combines 40 years thermal and engineering knowledge with practical understanding of how refrigeration equipment needs to perform within the larger system.



→ Manufactured In-House

From engineered concept to fabricated equipment.

Every unit is manufactured at the our facility in Montreal, including the machining of all crucial components. Keeping fabrication in-house gives us direct involvement in the manufacturing process.



→ Proven Application Experience

Experience where refrigeration performance matters.

Preston Phipps has extensive experience serving ice rinks, refrigerated warehouses, food & beverage industries and data centers throughout Canada and parts of the United States.



Our Custom Engineered Systems Include



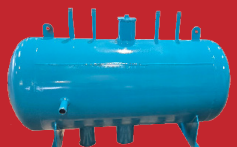
Flooded Chiller



DX Chiller



Refrigerant Receiver



Surge Drum



Tube Bundle

COMMITMENT TO MANUFACTURING

A New Facility
Built for What's Next



Preston Phipps has expanded its manufacturing capabilities with a new 40,000-square-foot production facility in the Greater Montreal Area. This significant investment provides the space and infrastructure to support the fabrication of increasingly complex, custom-engineered refrigeration equipment

More than a new facility, it represents Preston Phipps' continued commitment to in-house manufacturing, engineering expertise and the ability to deliver purpose-built solutions for demanding industrial refrigeration applications.

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Our team of seasoned engineers utilize the latest Codeware Compress and Aspentech softwares in order to design our exchangers and pressure vessels to meet industry standards (ASME, TEMA, CSA), as well as considerations for site-specific constraints and particular customer requirements.

The Preston Phipps manufacturing facility is certified for installations in both Canada and the United States:

- **Canada:** CSA B51 and B52 approved with CRN for all provinces
- **USA**: ASME U-stamp under ASME section VIII, Division 1, B31.1 & B31.3 including National Board.

Ready to Discuss your Application?

Our team is ready to collaborate with you on developing equipment designed around your refrigeration system, installation requirements and operating needs.

Custom Equipment. Specialized Expertise.
One Experienced Partner.

At Preston Phipps, we take an application-driven approach to equipment design and fabrication, considering the refrigeration duty, refrigerant, configuration, materials and installation requirements from the beginning.



Contact our engineering team for a custom industrial refrigeration vessel
(514) 333-5340