

INNOVATORS IN REFRIGERATION AND COOLING TECHNOLOGIES

Industrial Refrigeration Systems



**Superior Quality and
Cost Effectiveness**

TOROMONT

CIMCO

Leadership

CIMCO is one of the largest companies in North America specializing in the engineering, design, manufacture, installation and service of industrial refrigeration systems.

For more than 90 years, CIMCO's leadership and unparalleled research, development and manufacturing programs has put us at the forefront of industry advancements and technological breakthroughs. Our professional engineers, technicians and designers apply innovative state-of-the-art equipment and refrigerants to develop systems that meet even the most complex refrigeration challenges. Our designs ensure energy savings and environmentally friendly systems.

Our primary markets include:

- Food and Beverage • Meat packing • Fishing • Chemical and Petrochemical
- Cold storage and Blast freezing • Pharmaceutical • Process industries • Recreation

CIMCO systems cover a broad range of applications within these distinct market groups. Our unprecedented involvement in such a wide range of applications allows us to transfer refrigeration technologies from one field to another – to the lasting benefit of our clients.

Food and Beverage Industries

CIMCO's expertise has evolved to keep pace with the ever-expanding range of refrigerated and frozen products now available to the consumer. The "cold-chain" that stretches from the farmer's field, through processing, manufacturing, packaging, storage and distribution is touched by CIMCO at every step along the way.

Dairies have expanded beyond milk, butter and ice cream into soya products, yogurts and a variety of individually packaged consumer-ready products that all need cooling during processing and storage. Quality control and HACCP programs in the meat processing industries require the refrigeration designer to apply refrigeration, ventilation and desiccant technologies to meet these new challenges. Fisheries have moved to on-board processing and refrigeration as the fleets travel further offshore, but still require land-based freezing, cold storage and ice production facilities. Refrigerated distribution warehouses, spread across the country and operated by logistics firms are taking the place of producer-operated cold storage plants. Both the beverage industry (soft drinks and beer) and bakeries could not survive without energy efficient cooling equipment. In the fruit and vegetable industries, I.Q.F. (Individually Quick Frozen) systems are used widely for freezing whole, sliced or diced products.



Manufacturing Industries

CIMCO has served a wide range of manufacturing industries since our inception, and we continue to provide leading edge solutions to this diverse market.

Products based on petroleum and natural gas that are manufactured by a chain of secondary processes all require refrigeration, compression, vapor recovery, or re-liquefaction. Synthetic fibers, rubbers, plastics, building materials and fertilizers all fall into this category. The automotive industry's processes such as hydro-forming and plastic injection molding now use large quantities of filtered cooling water to achieve the high production rates required to remain competitive. CIMCO's expertise is applied in heat exchangers for the production of oxygen for the steel industry, gases for the welding industry, chlorine for the pulp and paper industry, PET bottle, plastic film and plastic molding production.



Typical Applications:

- Cold storage rooms and warehouses
- Environmental test chambers
- Packing houses
- Freezing plants
- Dairies and ice cream plants
- Fish plants
- Breweries
- Soft drink bottling plants
- Blast freezing systems
- IQF tunnel freezing systems
- Spiral freezing systems
- Ice storage and handling systems
- Industrial heat pumps
- Chilled water temperature control technology in the plastics, pharmaceutical, and general process industries
- Water chiller, cooling tower and water recirculation packaged systems
- Compression, chilling and drying packages for use in air separation and liquefaction processes
- Ammonia storage and distribution systems
- Oil, water, brine separation and test equipment
- Enhanced oil recovery equipment
- Programmable Logic Control systems and computer controlled systems for use in hazardous or non-hazardous areas
- Mine, ground and river freezing applications

Packaged Refrigeration Systems

Many refrigeration plants are still field erected, but today's trend is to shop-manufactured "packaged systems" that are shipped to site, requiring only electrical and piping services. Packaged systems manufactured in a controlled environment ensure higher standards of quality control and can reduce the overall project time-line, since fabrication can begin long before the site is ready to receive the equipment. Packaged plants from CIMCO are custom designed to match the application, providing serviceability while minimizing the overall footprint to keep space requirements and building costs low. Large systems are built in modules requiring the minimal number of on-site connections.

Depending on application, the system can be designed to use any refrigerant and features screw, reciprocating, rotary, centrifugal or oil-free compressors. There are many choices of equipment and it is in this area of design, engineering and manufacturing that the skill and experience of CIMCO refrigeration engineers are used to the benefit of our customers.



Engineering Skills

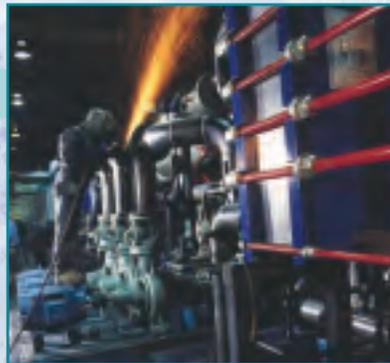
CIMCO has developed an integrated staff of professional engineers, technicians and designers capable of working within multiple disciplines. The strength of the company lies in its engineering staff, and our clients can access this expertise for a wide range of engineering projects.

In addition to a strong central engineering group in Head Office to provide the resources required for major national and international projects, CIMCO has developed a regional approach to its engineering in order to respond effectively to local needs. Central engineering develops company standards for equipment and design, and has developed sophisticated electronic control systems for monitoring, control, and energy management. Professional engineers and technicians are located in most offices to provide detailed design, procurement and supervision.



Manufacturing Capabilities

With over 90 years of experience related to the fabrication of equipment for use in the food, beverage, cold storage, oil, gas, chemical, petrochemical and process industries, CIMCO has the experience, technology and capability to manufacture the equipment required to meet all process cooling system, heat exchanger, cooling tower or pressure vessel requirements. All fabrication is done in a quality-assured environment at our head office manufacturing facility.



Service Expertise

An important component of any CIMCO project is our experience in the preparation, installation, start-up and balancing of our systems. Our installation crews have more experience and expertise than anyone else in the business.

After start-up, we know that regular equipment check-ups performed by our professional Service Technicians will significantly reduce your long-term maintenance costs while minimizing the risk of production interruptions. CIMCO offers a wide range of preventive maintenance and service inspection programs with reliable, professional follow-up service. Every CIMCO office has an experienced Service Manager who will work with your maintenance staff to develop the most cost effective service solution for your refrigeration system. This can range from annual check-ups, to full operating, service and maintenance contracts developed by CIMCO to be worry-free so that you can concentrate on servicing your own clients' needs.



Typical Customers:

- Agropur
- Atlas Cold Storage
- Cameco
- Campbell Soup Co.
- Canada Bread
- Cargill Foods
- Cavendish Farms
- Clearwater Fine Foods
- Coca Cola
- Cott Beverages
- Danone
- Dow Chemical
- Dupont
- George Weston Company
- Good Humor - Breyers
- Great Atlantic & Pacific (A&P)
- Highliner Sea Foods
- J.M. Schneider
- Kraft/General Foods
- Labatt Breweries (Inter-Brew)
- Lillydale Poultry
- Magna
- Maple Leaf Foods
- McCain Foods
- Minute Maid Foods
- Molson O'Keefe Breweries
- Moosehead Breweries
- Nestle's
- Olymel
- Oxford Frozen Foods
- Parmalat
- Pepsi
- Pillsbury/General Mills
- Safeway Inc.
- Saputo
- Simplot
- Sobeys
- Stouffers
- Stolt Sea Farms
- Sysco
- VersaCold
- Westco Storage

CIMCO

The Cold Specialists

Design & Engineering

CIMCO has built its reputation by having the best technical sales, manufacturing and refrigeration engineers. From coast to coast, our team of application specialists can draw on 90 years of experience to design the refrigeration and process

cooling plants that will meet your specific needs. From initial concept, through site supervision, to project commissioning, CIMCO engineers are available to ensure the success of your project.

Manufacturing

We have established our reputation by using the latest manufacturing techniques to produce the world's leading refrigeration equipment. In fact, many of the products that become part of our refrigeration systems are manufactured by CIMCO,

such as: shell and tube heat exchangers; pressure vessels; dehumidifiers; water tanks and pumping sets; microprocessor and relay logic control systems and complete packaged refrigeration and process cooling systems.

Components

At CIMCO, we ensure that every component used in our systems is chosen based on the knowledge gained from past experience. Each product is carefully evaluated, tested and proven before it becomes part of a CIMCO system. From the

compressor, through to the simplest control, each unit is carefully assessed and matched with components of proven dependable performance to keep our clients and their products cool.

Installation & Service

A key aspect of our success has been our experience in preparation, installation, start-up and balancing of our systems. CIMCO offers preventive maintenance and service inspection programs with reliable,

professional follow-up service. When it comes to keeping things cold or on ice, only CIMCO does it better than Mother Nature.

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**CIMCO
REFRIGERATION**

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