

# CUSTOM FOR YOUR NEEDS

Custom pre fabricated  
walk-ins



[NORBEC.COM](http://NORBEC.COM)

**NORBEC**™

## Specializing in custom manufacturing, Norbec has earned a solid reputation as a solution finder for the production of cold rooms, freezers and storage lines.

### Norbec's products provide superior quality and exceptional durability.

- Services and Customer Relations
- Innovation
- Quality
- Continuous Improvement

### Solutions tailored to your projects.

- Restaurants
- Hotels
- Institutions
- Supermarkets & Convenience Stores
- Food processing plants
- Laboratories
- Controlled Atmosphere Rooms

### FLEXIBILITY

Multiple configurations are available: coolers, freezers, combos, refrigerated or dry storage. Solutions are tailored to your needs to allow you to maximize any space.



Two supermarket hinged doors with an aluminium door frame accompanied by a set of swinging doors.

Norbec walk-ins are manufactured according to exact specifications to ensure the highest quality, performance and space optimization for all types of projects, no matter the complexity.

# WALK-INS

Norbec walk-ins are made of polyurethane core panels incorporated with highly resistant camlocks foamed into place, which stand the test of time in any situation.

These walk-ins are highly flexible to accommodate a wide range of room configurations, including ones with non-conventional angles. The use of high-quality materials, which is a standard at Norbec, ensures performance as well as increased durability. The panel joints used along with the camlocks provide a water and vapor proof seal, required for all types of environments. The elimination of thermal bridges results in efficient insulation, which leads to reduced energy costs. Norbec walk-ins are energy efficient as well as quick and easy to install.

## Walk-in Sizes

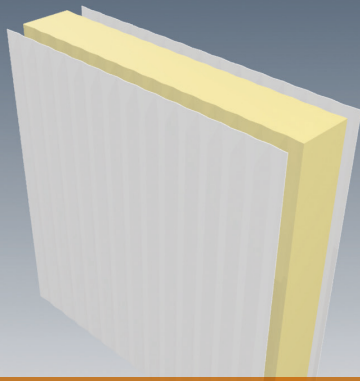
- Offered in multiple elegant finishes
- Immune to water pressure washing and cleaning products
- Resistant to surface marks and corrosion

- Sizes: custom for all needs
- Height: up to 18'
- Thickness: 3", 4", & 5"
- R-Value of the panel:

Cooler	Freezer
<b>3:</b> R21.6	<b>3:</b> R24
<b>4:</b> R28.8	<b>4:</b> R32
<b>5:</b> R36	<b>5:</b> R40

## Profiles and Finishes

Norbec offers a wide variety of colours and finishes to suit all projects. A silklime profile is offered along with the option of having a smooth or embossed finish, if desired. Default panels are offered in pre-painted white galvanized steel in 26 gauge.



White Silklime finish, exclusive to Norbec, which reduces the surface variations inherent to thin sheet steel.

## Steel Options

- White, 26 or 24 gauge
- Black, 26 gauge, Silklime profile
- Galvanized, 26 gauge, stucco embossed finish
- Stainless #4, 22 gauge
- Advantica, 24 gauge, smooth only
- Other colours available on request

## Floors

Norbec's floor designs take into account various contextual applications as well as load requirements. The materials used in the flooring provide a safe work environment, solidity for the products and shelves placed on top, as well as added durability.

- 18 gauge minimum Galvanized Steel
- Polyurethane Core Panels
- 1" floor spacers for better air ventilation and reduced risk of condensation.
- May support various weight loads.

To be noted: no rolling load allowed.

## Floor Options

Several types of floors are available depending on load requirements

- Reinforcement materials (1/2 or 3/4 plywood)
- Non-slip tread plates (1/8-3/16-1/4)
- Floor spacers of different thicknesses are available for better air ventilation
- Interior & exterior ramps
- 1"-2" cement boards (on-site installation)

## Finishes

- 18 gauge Stainless Steel #2B
- 18 or 16 gauge Galvanized Steel
- 0.100" Smooth Aluminum



## DOORS

The performance of a cold room begins with the design of the door. Norbec continuously innovates its line of doors to offer lasting products and promote energy efficiency. In addition to providing an optimally re-engineered water-tight seal, the doors are designed to withstand daily activities for years to come.

### Selection Of Doors

- Hinged Doors
- Sliding Doors
- Blast Freezer Doors
- Resistant
- Superior sealing
- Heavy duty
- Easy to integrate within the panels

### Other Options

- Glass Doors
- Electric Doors
- Service Doors
- Swinging Doors

Norbec offers a wide range of doors providing both flexibility and sturdiness, designed for different applications.

A thermal break is incorporated into the doors to limit the transfer of temperatures, which causes condensation and, in return, ice buildup. The design of the frame integrated into the panel provides an aesthetic finish and allows for simple and effective cleaning, while the reinforcements guarantee increased resistance and durability. Moreover, the groove created for the heating wire makes it more accessible when in need of replacement.



Steel hinged flush door in white finish

Steel hinged flush door in stainless steel

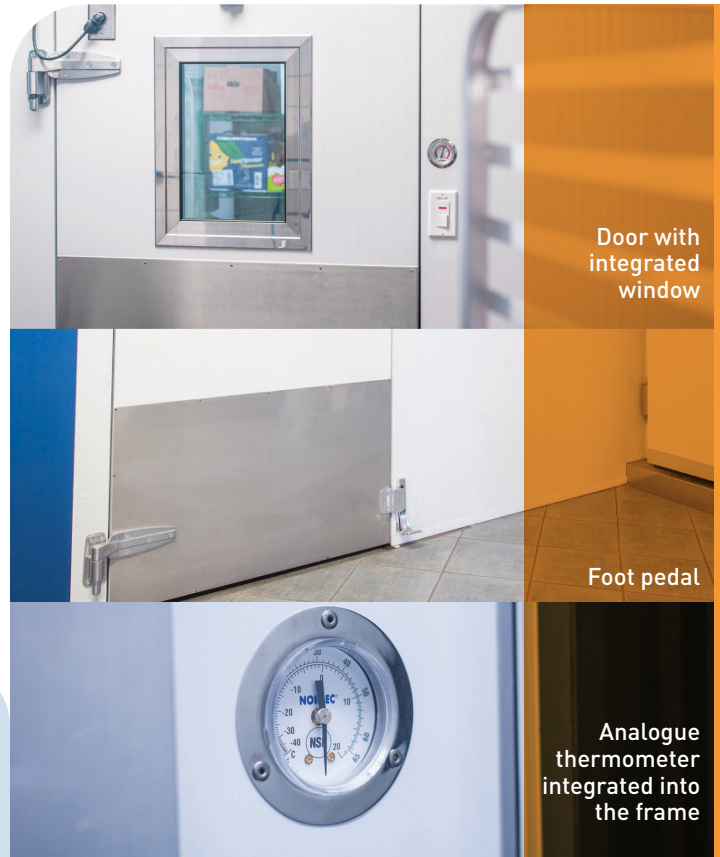
Glass doors

Swinging doors in black

# ACCESSORIES

Maximize the value of any project by adding from our wide range of accessories.

- Windows for doors (standard size of 15" x 20")
- Windows for walls (custom size)
- Protection kickplates
- Bumpers to protect wall surfaces
- Foot pedals for hands free access **a must have!**
- Lights or fluorescent LEDs
- Motion Sensors
- Digital or Analogue Thermometers
- Alarm Annunciators (**IM4** Module)
- Door closers
- Shelves
- Curtains
- Enclosure panel

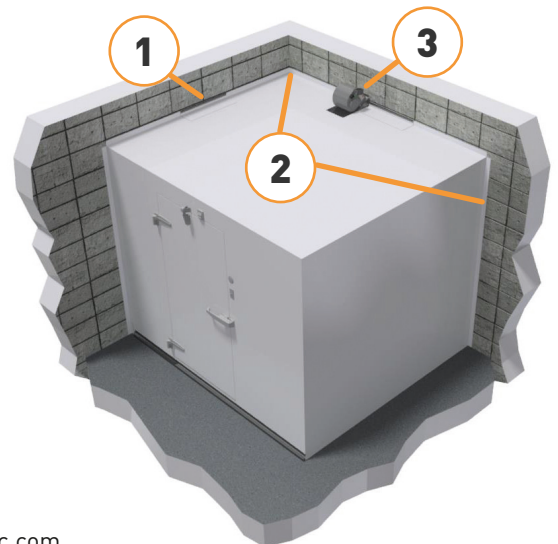


Contact Norbec to learn about the complete range of accessories and options offered for all cold room projects.

## NovaFlo

In some environments, especially kitchens, the presence of moisture caused by dishwashers can lead to a risk of mould. To prevent this unfortunate situation, Norbec developed a solution to reduce the risk of mould accumulation around cold rooms. The NovaFlo technology is a ventilation system installed above the cold room, which allows a constant airflow around the room. The use of forced air guarantees a sufficient temperature in the concealed space at all times, preventing condensation buildup.

- 1** Optional access hatches are placed around the edges of the cold room ceiling to allow a visual inspection of the space.
- 2** The junction is sealed between the bulkheads in order to provide sufficient air pressure.
- 3** Powerful fans are positioned in strategic locations on the room's ceiling in order to allow optimal air circulation



For more information, visit the Case Studies section of Norbec's website at [norbec.com](http://norbec.com)

# MODULES AND CONTROLS

## Refrigeration Intelliref V2 Control System

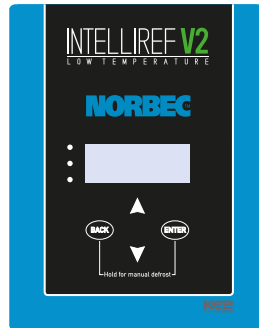
An integrated electronic module designed to simplify refrigeration controls by combining the functions of a thermostat and a defrost timeclock.

### FOR COOLERS:



INTELLIREF V2

### FOR FREEZERS:



INTELLIREF V2  
LOW TEMPERATURE +  
DEFROST

### ADVANTAGES

- Saves on electrical and installation costs
- Factory mounting allows for consistent assembly where all components are concealed in the evaporator
- Each unit is checked in factory, which ensures better quality control

### OPTIONAL FEATURES :

#### Edge Manager **EM-PLUS** :

- Sends notifications by text message or email to critical responders, such as refrigeration contractors or restaurant owners, regarding status and locations of the alarm
- Troubleshooting can be done remotely to prevent food loss
- Results in saving on expensive service calls

#### Data logging (include with **EM-PLUS**):

- Records temperature variations
- Allows refrigeration contractors to establish a quick and precise problem diagnosis by consulting historical data
- Compliant with HACCP requirements

### CHARACTERISTICS

Module is pre-wired in factory and then installed on the evaporator by the refrigeration contractor.

## IM4

Lighting, Alarm and Temperature Monitor

### CHARACTERISTICS

- Lighting control
- Temperature display
- Alarm display
- Alarms
  - High and low temperatures
  - Open door
  - Panic
  - Loss of power
  - Fan failure

### BENEFITS

- Energy saving
- Improved efficiency of daily operations
- Reduction of maintenance costs
- Quick on-site installation
- Robust option



**Norbec provides peace of mind with turnkey solutions for all cold rooms, accessories, refrigeration and installation needs. Norbec's experienced teams are present throughout every step of a project, no matter its complexity.**

## INSTALLATION

Norbec handles the coordination of the installation to allow you to save time and ensure the best quality of installation at a fair price.

### A NETWORK YOU CAN COUNT ON!

- National network
- No-hassle solution
- 24/7
- High installation standards
- Measurement service

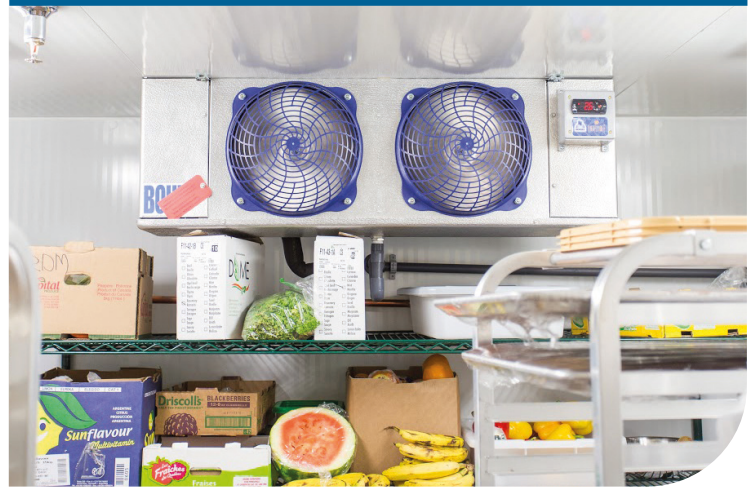
## REFRIGERATION

Norbec offers a wide variety of reliable refrigeration systems optimizing time, product efficiency and food environments.

Evaporators can either be conventional or a central installation.

### COMPRESSOR

- Air or water-cooled
- Hermetic, semi-hermetic or Scroll
- Indoor or outdoor use
- One piece unit (pro3)
- Parallel system
- Custom-made



## SAFETY - HEALTH-COMPLIANT - ENERGY SAVING

Norbec strives to provide products that meet the food service requirements and energy standards. Our research and development team is continuously staying up to date on all standards and codes in order to offer tailored products for all projects.



Norbec can provide, if necessary, walls and floors that meet health code requirements, according to project needs.

### Warranty

Norbec has a 5-year warranty policy for panels and a 1-year warranty policy for materials and parts. Our after-sales team is always prepared and available to respond to any needs you may have.

# NORBEC™

**Norbec**

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