

# CUSTOM FOR YOUR NEEDS



**CUSTOM PRE-FABRICATED  
WALK-INS**

**NORBEC™**

Norbec Systems Inc.

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

Specializing in custom manufacturing, Norbec has earned a solid reputation as a provider of custom solutions in the field of cold rooms, freezers and storage lines.

Norbec's products provide superior quality and exceptional durability.

- ◇ Services and Customer Relationship
- ◇ 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: refrigerators, freezers, combos, refrigerated or dry storage. Solutions tailored to your needs that will allow you to maximize your 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 assure 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 equipped with highly resistant camlocks for better performance which stand the test of time in any situation.

The walk-ins are highly flexible to meet a wide range of room configurations, including angular rooms. The use of high quality material, which is a Norbec standard, ensures the performance as well as increases durability. The panel joints created along with the camlocks insure a water and vapor proof seal needed for any situations. The elimination of thermal bridges results in efficient insulations which leads to reduced costs energy-wise as well as being quick and easy to install.

## WALK-IN SIZES

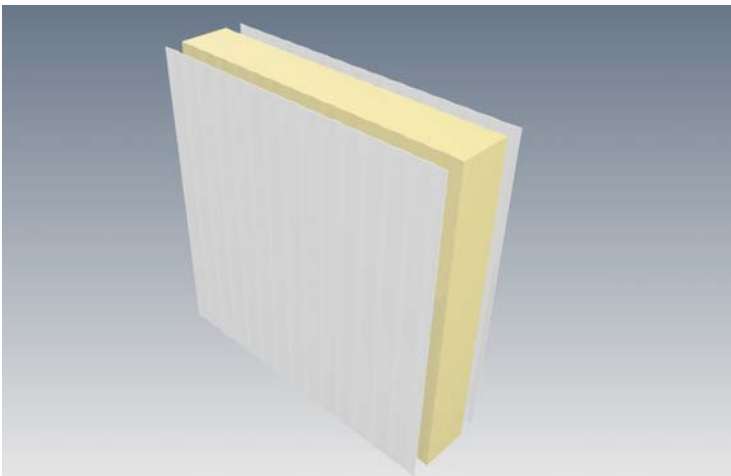
- ▲ Resistant and elegant finishes.
- ▲ Resistant to water pressure washing and cleaning products.
- ▲ Resistant to scratches and corrosion.

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

Freezer	Cooler
▲ 3: R23	▲ 3: R20.5
▲ 4: R31	▲ 4: R27
▲ 5: R38.5	▲ 5: R33

## PROFILES AND FINISHES

Norbec offers a wide variety of colors and finishes to suit any project. There is the choice of a silkline profile or no profile as well as the option of having the steel embossed if desired. Standard panels are offered in white pre-painted galvanized steel in 26 gage.



**Pictured above :** White silkline finish, exclusive to Norbec, which reduces the surface variations inherent in thin sheet steel.

## TYPES OF STEEL

- ◇ White (26 or 24 gauge)
- ◇ Black (26 gauge silkline profile)
- ◇ Natural
- ◇ Stainless steel #4 (22 gauge)
- ◇ Advantica (24 gauge, smooth only)
- ◇ Other colours available on request

## FLOOR

Norbec's floor design takes into account various contextual uses, as well as the load required to withhold. The materials used in the flooring provide safety for the staff, solidity for the products and shelves, as well as the best durability.

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

*To be noted : no rolling load allowed.*

## OPTIONS FOR FLOORS

Several types of floors are available depending on the required loads

- ◇ Reinforcement materials ( $\frac{1}{2}$  or  $\frac{3}{4}$  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 innovates in its line of doors to provide lasting products and promote energy efficiency. In addition to providing enhanced tightness, the doors are designed to withstand daily activities throughout the years.

### CHOICE OF DOORS

- ◇ Hinged Doors
- ◇ Sliding Doors
- ◇ Blast Freezer Doors

- ▲ Resistant
- ▲ Superior sealing
- ▲ Heavy duty
- ▲ Easy to integrate with the paneling

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

### OTHER OPTIONS

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

A thermal break is incorporated to the doors to limit the transfer of temperature causing condensation and the formation of ice. The design of the frame integrated in the panel provides an aesthetic finish and allows for a simple and effective cleaning, while the reinforcements guarantee a better resistance and durability. Moreover, a groove provided 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 your projects by choosing from our wide range of accessories.

- ◇ Windows for doors (standard size of 15" x 20")
- ◇ Windows for walls (custom size)
- ◇ Kickplate Protection
- ◇ Bumpers to protect wall surfaces
- ◇ Foot pedal for hands free access < **A MUST HAVE!**



Foot pedal



Door with integrated window

- ◇ Lights or fluorescent LED
- ◇ Motion Sensor
- ◇ Digital or Analog Thermometer
- ◇ Alarm Annunciator (Module I3 only)



Analog thermometer integrated in the frame

- ◇ Door closer
- ◇ Tablets
- ◇ Curtains
- ◇ Panels to ensure an aesthetic finish

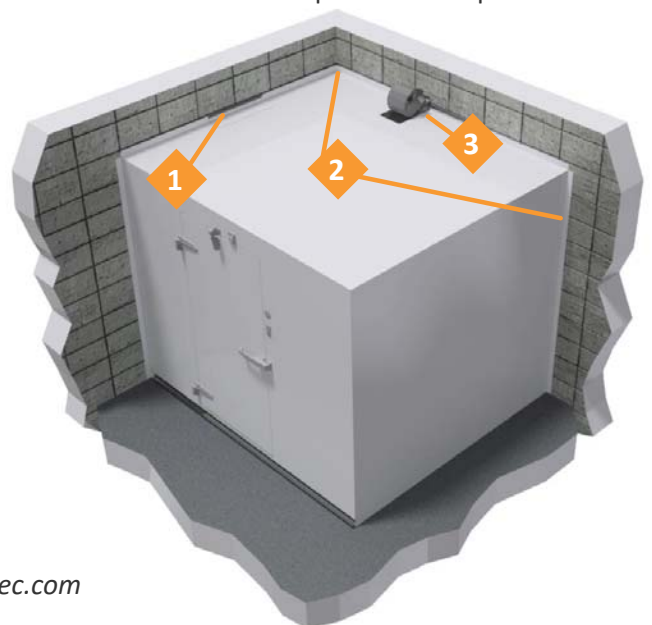
Contact us to learn about the complete range of accessories and options we offer for your cold rooms projects.

## NOVAFLO

In some environments, especially kitchens, with the presence of moisture caused by dishwashers, there may be a risk of mold. In order to prevent this unfortunate situation, Norbec found a solution to reduce this risk around the cold rooms.

The Novaflo technology: a ventilation system installed above the cold room allowing a constant air flow around the room. The use of forced ventilation will guaranty an adequate temperature in the concealed space and will prevent condensation build-up.

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



For more information, visit the innovation section of our website [norbec.com](http://norbec.com)

## REFRIGERATION INTELLIREF CONTROL SYSTEM

An integrated electronic module controls temperature and defrost cycles.

### Characteristics

- ◇ In factory installation providing greater installation on site
- ◇ Heating elements are connected to magnetic contactor as well as the control module
- ◇ Only one point power supply done by installers on site

### Advantages

- ◇ Savings on-site installation costs
- ◇ Savings on electrical installation costs
- ◇ Factory mounting allows a consistent assembly where all components are concealed in the evaporator
- ◇ Each unit is checked at the factory, which ensures better quality control



> **COMING SOON!** **INTELLIREF V2** A new integrated model that will offer a range of options in optimizing the efficiency of defrost cycles contributing to cost efficiency and freshness standards for your elements.

## I3

The I3 is an alarm control and temperature display module



### Characteristics

- ◇ Integrated in the door frame
- ◇ Temperature display
- ◇ Lighting control
- ◇ Alarms
  - ▲ High and low temperature
  - ▲ Open door
  - ▲ Panic situation

### Options

- ◇ Panic button
- ◇ External alarm signal with dry contact
- ◇ Three-way lighting control
- ◇ Alarm indicating NovaFlo fan fault

Norbec provides peace of mind with turnkey solutions for all your cold rooms, accessories, refrigeration and installation needs. Our experienced teams support you through every step of building your projects.

## 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 refrigeration systems to complete your projects and assure reliable efficiency and the best environment for the food.

Evaporator 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 attaches great importance to provide products that meet the food service and energy standards. Our R&D team is constantly up-to-date in order to offer tailored products that meet the standards.



Norbec can provide, if necessary, walls and floors that follow health requirements according to your project's needs.

### WARRANTY

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



[norbec.com](https://www.norbec.com)

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For more information on our products, please visit our website: [www.norbec.com](https://www.norbec.com)

To order your parts online or find out more related information,

visit <https://shop.norbec.com/magasin/en/>.

*All information provided in the present document is available at the printing time. However, please note that following Norbec Systems' product improvement policy, we reserve the right to carry out amendments at any time and without notice. Printed in Canada, February 2018.*