

## FAST-FILL SYSTEM

The SnowSHIP™ carries 200lbs of liquid CO<sub>2</sub> within a reservoir inside the unit. The CryoLogistics' Fast Fill System enables you to quickly refill the reservoir and redeploy your SnowSHIP™ in minutes, directly from a micro-bulk CO<sub>2</sub> tank on your premises.

CryoLogistics will resupply your LCO<sub>2</sub> requirements on demand.

### 1. RECOVER

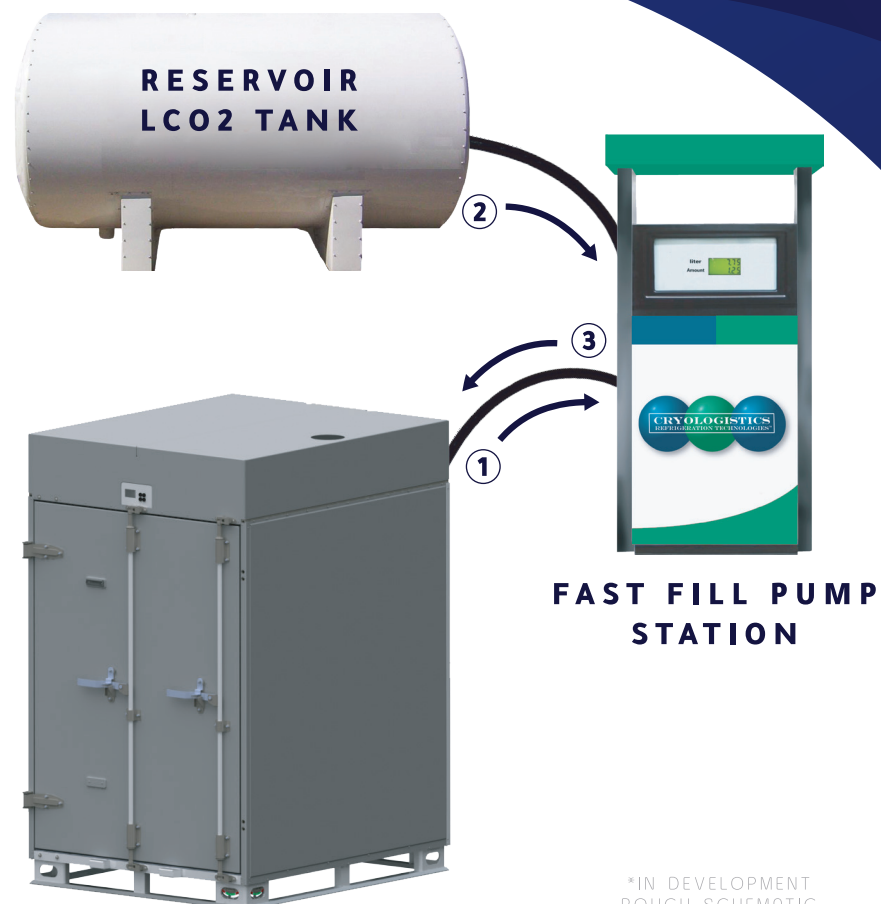
Recover Surplus CO<sub>2</sub> into Chilling Tank

### 2. RECHARGE

Pump CO<sub>2</sub> From Reservoir to Fueling Station

### 3. REFILL

Refill SnowSHIP™ Reservoir



**FAST FILL PUMP STATION**

\*IN DEVELOPMENT  
ROUGH SCHEMATIC



## GET IN TOUCH

250 940 4830  
104-506 John St, Victoria, BC, V8T 1T6, Canada  
info@cryologistics.ca

[www.cryologistics.ca](http://www.cryologistics.ca)

# SnowSHIP™

## The Cold Chain Reinvented.

Introducing the revolutionary shipping solution designed specifically for temperature-sensitive goods.



### RELIABLE Control

Non-Mechanical Heat Exchange System

Precise Temperature Set Points Between -20°C & Ambient



### LOW Emissions

Liquid CO<sub>2</sub> Reuse Technology

Net Zero Carbon Footprint

Zero NOx PM Emissions or Noise



### INNOVATIVE Design

Rugged, Scalable and Customizable

High-Efficiency Thermal Insulation

IoT Enabled



# THE NEW FACE OF SHIPPING

Shipping has never been this cool. SnowSHIP™ is the first single pallet shipper that utilizes the cooling power of liquid CO<sub>2</sub> to provide pin-point temperature control throughout your supply chain. No reefer, dry ice, gel packs or electricity required!

In just a few quick steps your temperature-sensitive shipment will be ready to hit the road in it's own secure, thermally insulated container designed specifically for the global logistics industry.



## 1. PREPARE

Charge with liquid CO<sub>2</sub>



## 2. SET

Set desired temperature



## 3. LOAD

Load cargo



## 4. SHIP

Safe & secure



## 5. TRACK

Track shipment



## 6. REPORT

Download trip report

# THE SCIENCE

SnowSHIP™ combines the natural cooling power of liquid carbon dioxide (LCO<sub>2</sub>), high-efficiency insulation and an IoT-enabled digital control system for live monitoring.

CO<sub>2</sub> is a commodity available worldwide and is used by many industries including food and beverage, manufacturing and the energy sector. SnowSHIP™ exploits its natural refrigerant properties to reduce the transport industry's total GHG emissions.

\*PATENT PENDING

# THE SOLUTION

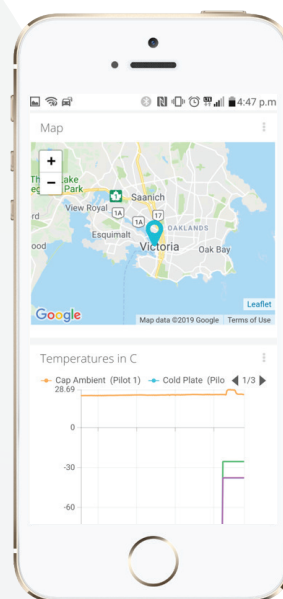
Designed in partnership with leading Less-Than-Load (LTL) carriers, SnowSHIP™ solves common industry pain points:

**LOW PROFIT MARGINS**  
**TEMPERATURE EXCURSIONS**  
**INEFFICIENT ROUTING**  
**EMISSIONS**

**REGULATORY COMPLIANCE**  
**SPOILAGE & WASTE**  
**HIGH OPEX & CAPEX**  
**CUSTOMER SATISFACTION**

# THE SPECIFICS

<b>Outer Dimensions:</b>	49" W x 59" L x 80" H		
<b>Payload Dimensions:</b>	40" W x 48" L x 58" H		
<b>Tare Weight (Full CO<sub>2</sub> Tanks):</b>	1,175LBS		
<b>Max Payload Weight:</b>	3,000 LBS		
<b>Ambient Temperature Range:</b>	-30°C - +40°C (-22°F - +104°F)		
<b>SnowSHIP™ Cooling Range:</b>	-20°C (4°F) - Ambient		
<b>Operating Duration:</b>	<b>Set Point</b>	<b>Duration</b>	<b>Days*</b>
(Based on 8 x 20lb Tanks, 5°C/41°F Ambient Truck Temperature, and With a Pre-Conditioned Load & SnowSHIP™ That Remains Sealed Throughout Shipping and Kept Conditioned When Not in Operation)	+1°C (34°F)	267.5 hours	33.4 Days
	-10°C (14°F)	70.9 hours	8.8 Days
	-20°C (-4°F)	42.3 hours	5.2 Days
	*8 Hour Operating Days		



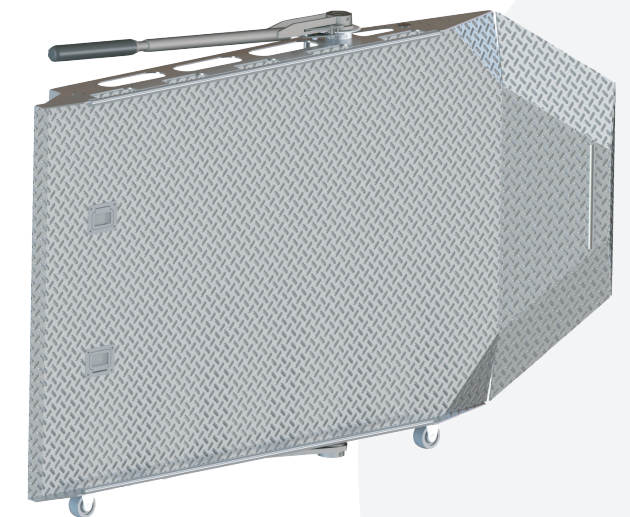
# LIVE MONITORING

With CryoLogistics' live monitoring software, you can provide reliable and precise monitoring of your temperature-sensitive shipments. Say 'goodbye' to claims from damage or temperature-excursions and 'hello' to real-time tracking. With updates available on your mobile or desktop, you can monitor your SnowSHIP's™ temperature, location, door openings and CO<sub>2</sub> supply, ensuring your shipment remains safe & secure to its destination.

# CRYORAMP

The SnowSHIP™ was designed to fit a full standardized pallet up to 58" tall. It can be directly loaded/unloaded with a forklift. However, we know that in some circumstances, such as last mile delivery, that's not always possible and hand-bombing is time consuming. That's why we developed the CryoRamp!

The multi-use CryoRamp allows users to load and unload a pallet with either a manual or electric pallet jack through an innovative, compact design with lift capabilities.



## DURABLE

CryoRamp = 70lbs  
Load Capacity in Lifted Orientation = 1,100lbs  
Load Capacity in Ramp Orientation = 3,100lbs



## EASY TO MOVE

Wheels Allow For Easy Moving



## THIN PROFILE

30"W x 60"L x 5.5"H

