



Product  
*Brochure*  
Transport Refrigeration



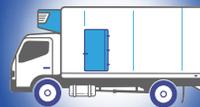
Cold Room /  
Storage



Industrial  
Refrigeration



Commercial  
Refrigeration



Transport  
Refrigeration



Ammonia  
Refrigeration



# TransFreez

Mobile Refrigeration

Our sub-brand Transfreez is well-known in the regional market for consistent performance and prompt service.

Incepted in the year 1980, Bharat Refrigerations Pvt Ltd has strived its utmost to provide solution to the cooling needs and requirements of our valued customers. Designed in compliance with verified industry standard, our products are widely acknowledged for maximum cooling efficiency, low power consumption and longer service life. Bharat Refrigerations Pvt Ltd has been taken over by Ice Make Refrigeration Limited in December 2016, to serve its Valued Customers by providing total cooling solution & better after-sales services in southern part.

Bharat Refrigerations is committed to help you to meet the demands of foods safety, energy efficiency and reliable performance. We ensure these to you through our competitive pricing, professional advice and innovative design.

## About Us



Customer Focus



Honour Commitments



Embrace Innovation



Responsive Service



Building Trust



Believe in Solution



Transparency



Listen to Your Needs



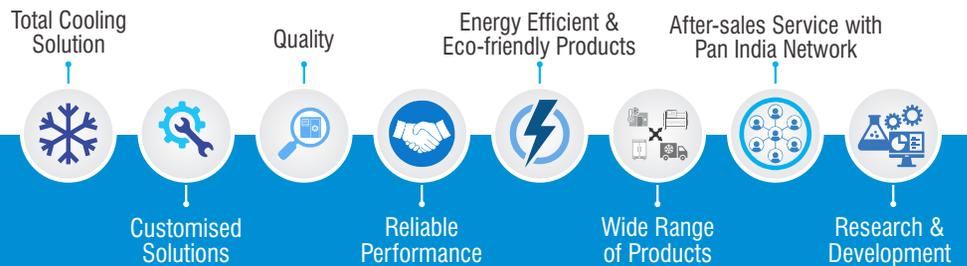
# The Core of **COMMITMENT** **INTEGRITY**

## Ensuring our commitments with integrity

We are committed to quality, integrity and excellence in all areas of business. We pledge to monitor our performance as an ongoing activity and strive for continual improvement, through enhancing skills of all employees through training and motivation.

## Why Bharat Refrigerations?

We are in the business of exploring new frontiers with innovative ideas in providing complete cooling solutions for total customer satisfaction.



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Bharat Refrigerations Refrigerated container is designed to transport with options of different temperature range (+15°C to -25°C) for all perishable foods on all type of vehicle such as small, mini truck & heavy loading truck.

Bharat Refrigerations refrigerated container is built using the highest quality components and technology to perform highest and most thermal efficient for the greatest return on your investment. Our container is available in single or multi door models and offering an endless array of features and options.

Bharat Refrigerations refrigerated container can be customized to fit your unique needs. With the assistance of our dedicated design team and hands-on engineering support, we can help you design trailers to meet your specific operational requirements.

### **Optimal Performance. Maximum Versatility.**

Bharat Refrigerations Refrigerated containers built tough to deliver optimal performance and maximum versatility, all the components used to build the refrigerated container comes exclusively from the experienced brands. Standard models and custom engineered solutions are available to ensure your truck is optimized for your route.

### **Superior Thermal Efficiency. Lower Operating Costs.**

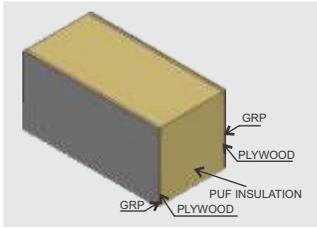
Every aspect of our design helps maximise thermal efficiency and lower operating costs. From thermal breaks that prevent heat transfer, to our vacuum press GRP panel process that ensures void-free all wall insulation, our refrigerated van maintains your specified running temperature with lesser reefer system operating time.

### **Low Weight. More Freight.**

Bharat Refrigerations refrigerated container delivers light weight body without sacrificing strength and durability. Built with high-strength, light weight materials and components to ensure more freight.

### **Agile and Robust.**

Bharat Refrigerations refrigerated container developed to match our road quality. Light and agile distribution refrigerated van for inner cities and the highly robust constructed, hygienic and easy to clean GRP refrigerated container provides optimum conditions for efficient refrigeration and fresh produce logistics over short and long distance.



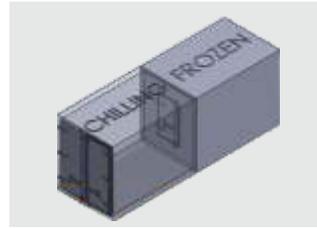
**Type of Construction - GRP Panel**

Heavy Structure with Pre-Fabricated Joint-less GRP (GLASS-FIBER REINFORCED PLASTIC) Single Panel. All Side Panels & Top Panels are made by Wooden Structure and Bottom Panel by Metal Structure.



**Door & Frame**

Doors with 80/100 mm thick as per requirement for maximum insulation and integrated thermal break. Doors available in fully open with Window with 2 to 2.5 mm SS sheet 'C' profile frame, single door, door can be customized.



**Multi Temp Transport**

As per client's requirement and years of experience, we have been able to provide dual compartments facility suited to every type of transport of frozen or fresh products in small vehicle.



**High radiance interior/ exterior LED lighting**

LED ceiling lights with internal cabin switch and ideal durability.

The safety lights makes it clearly visible that the container is running or braking and even from a long distance



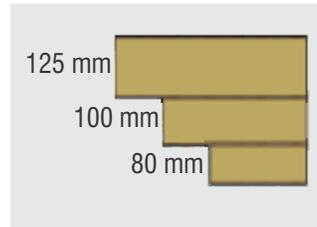
**Drainage system**

Made by UPVC for complete draining of water coming from the insulated container.



**Anti-Shock Body Protection**

The external mouldings encasing the body frame are in anodized aluminium. Their high density and monoblock bucket design provide enhanced resistance to everyday impacts and corrosion.



**Panel Wall Thickness**

Insulated wall thickness:  
80 mm for Small Vehicle  
100 mm for Mini Truck  
125 mm for Heavy Loading Truck



**Backbone Subframe**

Made of MS sheet with 4/6/8 mm in thickness is specially fitted between Chassis and Container to protect the body against the repeated loading, unloading and operations.



**Foot steps**

Available in foldable for heavy vehicle and fixed for small vehicle



**Seal Gasket**

Anti mislaying doors form an insulating and water resistant barrier with 4 lip seals and the door seal integrating an anti-thermal bridge.



**PVC Strip Curtains**

Variably fix strip curtains inside doors to reduce temperature losses while partially unloading.



**Radium line**

Yellow and red reflection radium for night operation as per RTO norms.



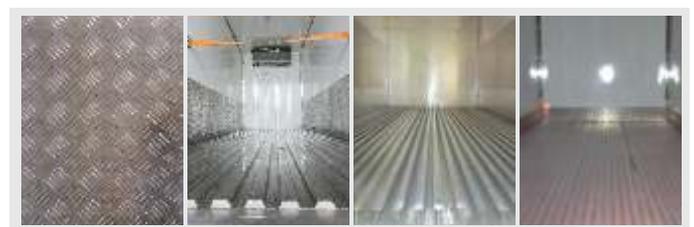
**Integrated Rear protection**

For intensive smooth operation without damage, Rear Rubber Buffer is fixed on chassis for rear protection. It contains combining resistance, very high energy absorption capacity and retained bearing functionality.



**Heavy duty handle and hinges**

Made of S.S. fixed with Door frame combining a very high level of rigidity and integrated protection, significantly reducing incident-related work and repair costs.



**Rigid Floor**

Outside GRP sheet, Thickness (1.5 to 2 mm) & Inside 9mm or 19mm Marine Ply and top material as per below details, Smooth recessed interior floor available in four different type i.e. Aluminum T Profile/ Chequered Plate/ Corrugated Profile / S.S. Corrugated Profile to protect the GRP panels against shocks from carts and trolleys.

**MINIMUM MAINTENANCE | NO LOAD ON VEHICLE ENGINE | LOWER OPERATING COST**  
**HIGHLY RELIABLE | SUBSTANTIAL POWER SAVING | NO EMISSIONS**

Bharat Refrigerations - Detachable Mobile Container is designed for multi deliveries of Ice Cream, Frozen Foods, Sea Foods, Meat, Bakery Products, Fruits-Vegetables & Dairy Products distribution.

**FUEL – FREE**  
**RISK – FREE**  
**ELECTRICALLY RECHARGEABLE**  
**REFRIGERATED TRUCK**



## HOW IT WORKS ?



**50%**  
**Fuel Saving**

## SPECIFICATIONS

Model	DT-1 Detachable model
Power	2 kW / Hr
Daily Usage	8 hours of charging for 20 to 30 multipoint distribution / ambient 50°C
Container capacity -Inner	45 crates ( Ice Cream) 3600 Liters inner volume
Temperature	-20°C (Frozen)   +4°C(chilled) DUAL Temp
Door	1 Rear Door
Suitable Vehicles	Tata Ace / Mahindra Maximo Tata Super Ace Leyland Dost Bolero Maxi Truck Bolero pickup / Isuzu Dmax

## WHY CHOOSE TRANSFREEZ MOBILE REEFER / COLD ROOM?

-  Requires no fuel to run the system
-  Operates at fraction of the cost of diesel driven Reefers
-  Very High Temperature Stability
-  Easy to operate - Plug & Charge
-  No Moving parts = Negligible Maintenance
-  Low Temperature Fluctuations at door openings
-  High Reliability: Assured product protection during distribution
-  Enables a green Cold Chain
-  Nation-wide service network

## EASY TO MOUNT / INSTALL ON ANY LCV



- Maximum storage capacity
- High resale value
- Easily repairable
- Low maintenance
- Container can be shifted to another vehicle during vehicle breakdown / service
- 100% product protection
- Low operating cost - less than Rs.150 per day for cooling
- Can be used as a cold room during off season
- Only **Dual Temperature** reefer in india

## DETACHABLE REEFER CONTAINER ON VARIOUS SMALL / LIGHT COMMERCIAL VEHICLES



DT1 on Tata Ace



DT1 on Mahindra Maximo



DT1 on Tata Super Ace



DT1 on Leyland DOST



DT1 on Bolero Maxi Truck



DT1 on Bolero Pickup

## LEAK PROOF | HIGH STRENGTH | LOW FUEL CONSUMPTION

Bharat Refrigerations Dry Container is designed with the customer's needs in mind, it is made strong but light in weight materials to maximise payloads and to ensure the safe transport and delivery of goods.

The product can be useful in transportation of various products in food industry and some of the products listed below for reference:

- Bakery Product • Beverages • Sweets & Namkeen • Herbs & Spices • Hotels & Caterers
- Dairy Products (secondary transport of milk, buttermilk, lassi etc.)
- Fresh Fast Food items like Samosa, Kachori, Pizza etc. • Flowers

## Benefits of Bharat Refrigerations Dry Insulated Container over Conventional Transportation Container

Bharat Refrigerations Dry Insulated Container	Conventional Transportation Container
PUF Insulation with 40-42 kg/m <sup>3</sup> density	Thermocol Insulation with 13-25 kg/m <sup>3</sup> density
Lower Weight – Construction of GRP and Ply	Higher Weight - Construction of GI and more Rivets
Higher strength and easy to repair	Lower Strength and not easy to repair
No Corrosion due to Non-Corrosive GRP	Corrosion occurs
More Mileage of vehicle as less weight	Lower Mileage of vehicle as more weight



**Refrigerated Container**



**Eutectic Mobile Container**

**Dry Insulated Container**



**Bunk House**



## Cold Room / Storage

- Cold Room PUF Panels (Discontinuous Type) 60, 80, 100, 125 & 150 mm
- Cold Room Door
- Solar Cold Room
- Glass Door Display Chiller
- Condensing Unit (Air/Water Cooled)
- Evaporator Unit
- Control Panel for Cold Room
- Curd Incubation Chamber
- Ripening Chamber
- Pre-Cooling Chamber
- Blast Freezer & Chiller

## Ammonia Refrigeration

- Turnkey Projects for Cold Stores
- Water Chillers for Dairy
- Glycol Chillers for milk deep chilling for dairy
- Glycol chillers for beverage plants
- Glycol chillers for brewery plants
- Water Chillers for Pharma
- LP Receivers with Ammonia Pumps for retrofit plants
- Ice Accumulating Coils
- Atmospheric Condensers

## Industrial Refrigeration

- Water Chilling Plant
- Brine Chilling Plant
- Oil Chilling Plant
- Air Chilling Plant
- Ice Building Tank (IBT)

## Commercial Refrigeration

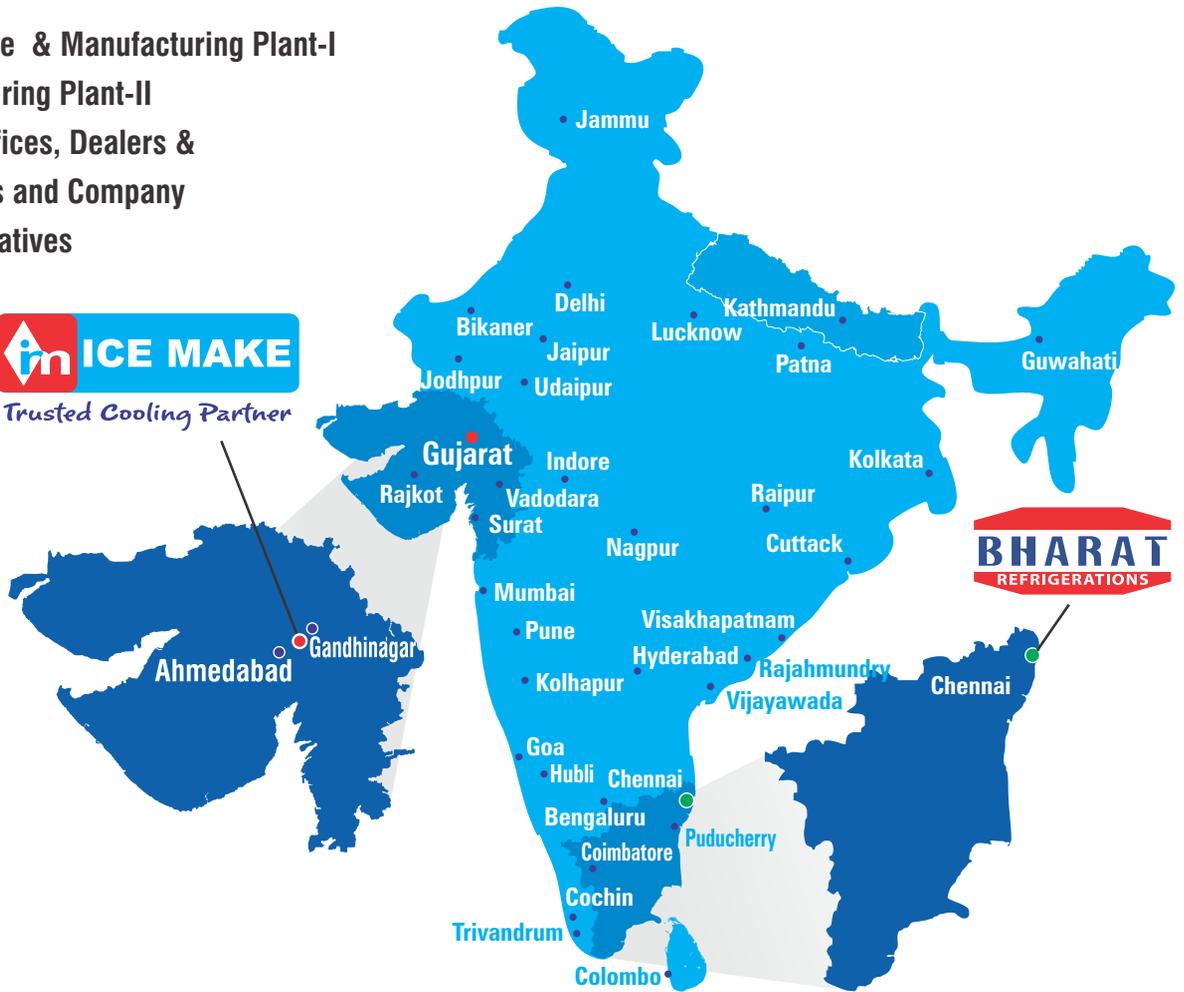
- Ice Cream Mix Plant
- Batch Pasteurizer
- Ageing Vat
- Bulk Milk Chiller
- Ice Candy Production Machine
- Ice Cream Hardener (Static/Tunnel Type)
- Mini Blast Freezer & Chiller
- Heat Pump Food Dehydrator

# OUR VALUED CLIENTS



- Head Office & Manufacturing Plant-I
- Manufacturing Plant-II
- Branch Offices, Dealers & Associates and Company Representatives

**ICE MAKE**  
Trusted Cooling Partner



**JUST A MATTER OF FEW HOURS!**

Our team of dedicated professionals are responsible for the day-to-day operations of after-sales services. They are strategically positioned across India and proximate to clients' location, such that, they can reach the clients' premises within desired time of placing the service call.

**Toll Free Service No.: 1800-102-4615**



## Bharat Refrigerations Pvt. Ltd.

(Wholly Owned Subsidiary of ICE MAKE REFRIGERATION LIMITED)

Manufacturer of Industrial Refrigeration Equipment & Reefers

B 20, 1st Main Road, Ambattur Industrial Estate, Chennai - 600058.

E-mail: [info@bharatref.in](mailto:info@bharatref.in) | Web: [www.bharatref.in](http://www.bharatref.in)

Sales: +91 9791175004 | Service: 1800 102 4615

## TransFreez

*Mobile Refrigeration*

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*Trusted Cooling Partner*

## ICE MAKE REFRIGERATION LIMITED

Commercial & Industrial Refrigeration Equipment Manufacturer & Exporter

226, Dantali Industrial Estate, Gota-Vadsar Road, Nr. Ahmedabad City,  
At-Dantali, Ta: Kalol, Dist.: Gandhinagar - 382721, Gujarat, India.

E-mail: [enquiry@icemakeindia.com](mailto:enquiry@icemakeindia.com) | Web: [www.icemakeindia.com](http://www.icemakeindia.com)