



**YOUR TRUSTED PARTNER
FOR REFRIGERATION SOLUTION
FOR OVER 15 YEARS**

COLD ROOM | COLD STORAGE | FREEZER ROOM | BLAST FREEZER | PRE-COOLER | BLAST CHILLER & INDUSTRIAL CHILLER SOLUTIONS



About BLUE COLD

Good food must be fresh, nutritious & tasty. Blue Cold provides systems and solutions for preserving freshness of your food. We manufacture complete standard and customized refrigeration products and solutions that maintain food freshness for a longer period of time.

To maintain good food quality and preserve taste, quality & nutrition, you must process and preserve the food in the right environment & condition.

Blue Cold has more than 15 years of experience and 4 manufacturing plants that manufacture world-class refrigeration systems for cold room, cold storage, freezer room and blast freezers.

Blue Cold has completely integrated manufacturing of all systems with its own facility in Bangalore. And is ready to meet any of your requirements in food processing and preservation.

BLUE COLD Advantage

Best solutions from technically knowledgeable & trained sales professionals

Technical expertise from team of skilled professionals with unmatched experience

Products and services are designed for tropical & hot climate

Proudly made in India with grit

All products are equipped with CE marked / UL certified components only

Bespoke software for product selection and heat load calculation. Guaranteed reliability of technical data

Customized products for specific customer's requirement

Fully integrated manufacturing process under own manufacturing facility

Trusted by the Customers of Various Industries

Industry	Application	Temperature Range	Air Flow	Humidity
Ice Cream	Storage	(-)18 °C to (-)25 °C	Moderate	Normal
	Hardening	Upto -30 °C	High	
Meat & Chicken	Storage	(-)20 °C to (-)25 °C	Moderate	Normal
	Blast Freezing	Upto -35 °C	Very High	
Sea Food	Storage	(-)20 °C to (-)25 °C	Moderate	Normal
	Blast Freezing	Upto -40 °C	Very High	
Dairy	Storage	2 °C to 5 °C	Moderate	Normal
	Blast Chilling	Upto -5 °C	High	
Mushroom	Storage	15 °C to 18 °C	Moderate	High
Pharmaceutical	Storage	5 °C to (-)15 °C	Moderate	Normal
Fruits & Vegetables	Storage	2 °C to 8 °C	Moderate	Normal
Banana Ripening	Ripening	12 °C to 15 °C	High	Normal
Chocolate	Storage	10 °C to 14 °C	Moderate	Low
Flowers	Storage	2 °C to 5 °C	Low	High
Potato	Storage	2 °C to 4 °C	High	High
Chilly	Storage	8 °C to 10 °C	High	Normal
Multi Commodity	Storage	3 °C to 5 °C	Moderate	Normal
Curd	Storage	4 °C to 5 °C	Moderate	Normal
	Blast Chilling	upto 15 °C	Very High	
Frozen Food	Storage	(-)18 °C to (-)20 °C	Moderate	Normal
	Blast Freezing	upto (-)40 °C	Very High	
Eggs	Storage	3 °C to 5 °C	Moderate	Normal
Dry Fruits	Storage	3 °C to 8 °C	Moderate	Normal
Grapes	Storage	2 °C to 5 °C	Moderate	Normal
	Pre Cooling	upto (-)5 °C	Very High	

BLUE COLD Selection Software



BLUE COLD Heat Load Calculation App



- Designed based in ASHRAE handbook & guidelines
- Heat load report contains breakup of product load, transmission load, infiltration load and internal load
- Covers wide range of food products that are commonly used in cold rooms and cold storages



Condensing Units

- Single stage or two stage reciprocating & scroll compressor
- Base frame on anti-vibration mounts
- CNC machined copper piping
- Copper tube and aluminum fins
- Design for Indian atmospheric conditions



Air Cooled Condensing Unit



Water Cooled Condensing Unit



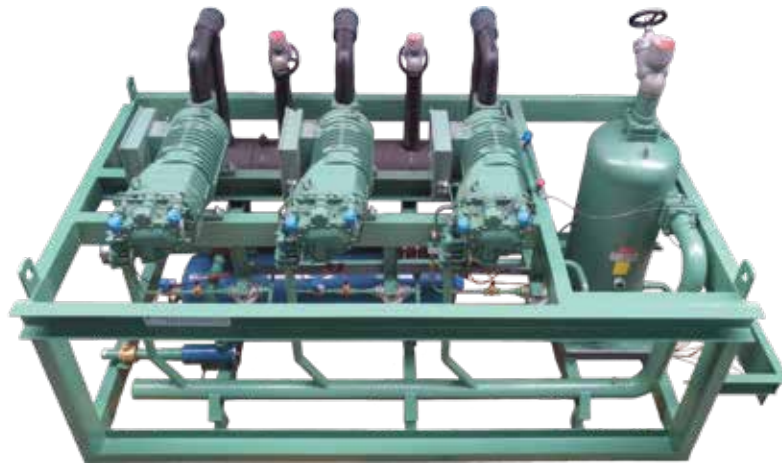
Condensing Unit
with Emerson Compressor



Condensing Unit
with Canopy

Rack Refrigeration System

- Raised compressor mounts for easy service access
- Dedicated HP/LP switch for individual compressor
- Oil return filter with individual oil return valve
- Individual electronic oil management system and high-pressure oil return with alarm
- Machined frame made of welded C steel profile



Screw Refrigeration System

- Motor protection device sE-i1 full sensor kit
- Service connection in suction and discharge line
- Machined frame made of welded C steel profile
- Individual electronic oil management system and high-pressure oil return with alarm
- Suction gas header



For Low Temperature



For Medium Temperature

Freon Cold Room Evaporator

- AlMg powder coated, GI powder coated & SS 304 casing for rust free operation
- Bullet expansion on tubes
- Drip tray with edges inclined at 30° angle
- Fin spacing available from 4 mm to 7 mm
- Proven quality fans: Ziehl Abegg, EBM or Favelle



Aluminium / GI Powder Coated Body



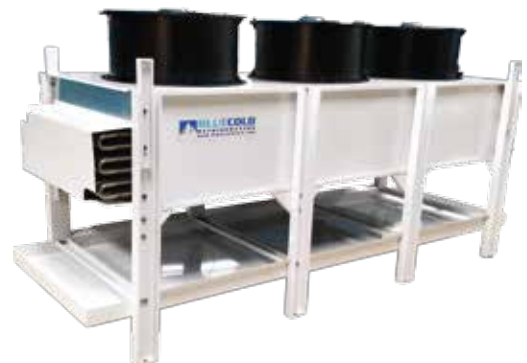
SS 304 Body

Ammonia Cold Storage Product Cooler

- Collared fan outlet and tube axial fans for wide air throw
- Side cover with hinges for easy servicing
- Pressure test of individual tubes
- SS 304L tubes better heat transfer
- Defrosting option between electric, water or hotgas



Ceiling Mounted Product Cooler



Down Throw Product Cooler

Blast Freezer / Chiller

- Fans with high static pressure and high air volume
- Blow through fans ensures uniform air distribution over the cooled or frozen goods
- Models available with 1 Fan to 8 Fans
- High efficiency due to optimal airflow routing
- AlMg powder coated, GI powder coated & SS 304 casing for rust free operation



Ceiling Mounted Unit



Angular Shaped Unit



Floor Mounted Unit



V-Type Floor Mounted Unit

Slim Line Dual Discharge

- Corrugated fin structure
- Even air distribution from both the sides
- SS material ceiling mounted clamps for easy installation
- Easy to inspect and clean as hinged tray, heating sheet and drain line does not have to be dismantled
- ALMg powder coated, GI powder coated & SS 304 casing for rust free operation



Ammonia Dual Discharge Evaporator



Freon Dual Discharge Evaporator

Plug & Cool Monoblock System

- Temperature range 5 °C to -25 °C
- Application: Vegetables, Dairy, Meat, Sea Food, Pharma
- Installation time: within 5 hours
- Completely pressure tested (not just factory assembled)
- Room size: 7 cu.m. to 50 cu.m.



Cold Room Control System

- Air, Water & Electrical defrosting system
- Power supply safety protection
- Motor protection fans & contractors for compressors
- Overload protection for compressor
- Refrigerant HP / LP control



Evaporative Condenser

- Available in nominal capacity range of 400 KW to 1000 KW
- Stainless Steel tubes, Stainless Steel casing and Stainless Steel water tank
- Uniform and trouble free water distribution system
- Compact design & easy for maintenance



Radiator / Dry Cooler / Air Cooled Condenser

- Capacity from 50 to 1,000 kW
- Noise level from 30 dB(A) at 10 m
- Fin spacing 2,1 – 2,3 – 2,5 mm
- Fans diameter 630 – 910 mm
- Casing manufactured from galvanized steel with powder coating



Industrial Chiller System

- Efficient and highly reliable screw compressors from Bitzer (Made in Germany)
- Totally skid mounted units with single and multiple refrigeration circuits, with the highest full and part load energy efficiencies
- Factory made and tested DX and Flooded evaporators, made as per highest international standards of manufacturing
- Electronic expansion valves for increased efficiency and precise temperature control



Blue Cold Installation

Cold Storages



Dairy



Ice Cream



Sea Food



Blue Cold Installed Units



PDDP, Cochin (KL)

- Product: Freon Evaporator
- Application: Freezer Room for Ice Cream
- Capacity: 500 MT



Neelkanth Cold Storage, Devas (MP)

- Product: Ammonia Product Cooler
- Application: Potato Cold Storage
- Capacity: 8,000 MT



Goyal Cold Storage, Vil. Lohara, Moga (PB)

- Product: Ammonia Product Cooler
- Application: Potato Cold Storage
- Capacity: 3,000 MT



Sky Foods, Coimbatore (TN)

- Product: Condensing Unit with Bitzer Compressor
- Application: Chicken Storage Chamber
- Capacity: 200 MT



Arabian Sea Foods, Veraval (GJ)

- Product: Angular Shaped Ceiling Mounted Blast Freezer
- Application: Sea Food Blast Freezer
- Capacity: 6 Ton in 8 Hours



Parekh Integrated Logistics (PB)

- Product: Condensing Unit
- Application: Multi Chamber Cold Warehousing Facility
- Cooling Capacity: 200 kW



Butter Blast Freezer (MH)

- Product: Ceiling Mounted Blast Freezer
- Application: Butter Blast Freezer
- Capacity: 2 Ton in 8 Hours



Bhagyodaya Cold Storage, Raichur (KA)

- Product: Down Throw Ammonia Product Cooler
- Application: Chilly Cold Storage
- Capacity: 5,000 MT

Blue Cold Infrastructure



Manufacturing Unit 1



Manufacturing Unit 2



Manufacturing Unit 3



Fin Press



Automatic Tube Cutting



Individual Tube Pressure Test



Brazing



Bullet Expansion



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