



Freon Unit Cooler

About BLUE COLD

Blue Cold Freon Unit Coolers are engineered to deliver efficient and uniform cooling for cold storage, processing rooms, and distribution facilities. Designed for reliable operation in medium and low-temperature applications, they ensure consistent product preservation and energy efficiency.

Available in multiple configurations with optimized fin spacing and advanced coil design, these unit coolers provide superior heat transfer and reduced frost build-up. High-performance fans ensure wide air throw and uniform temperature distribution across the storage space.

With durable construction, easy-to-clean casings, and flexible defrost options (electric, hot gas, or water), Blue Cold Freon Unit Coolers offer a dependable, hygienic, and cost-effective solution for modern refrigeration needs.

BLUE COLD Advantage



Best solutions from technically knowledgeable and trained sales professionals

Technical expertise from a team of skilled professionals with unmatched experience



Products and services designed for harsh atmospheric

Fully integrated manufacturing process within our own facility



All products equipped with CE-marked / UL-certified components

Bespoke software for product selection and heat load calculation



Customized products tailored to specific customer requirements

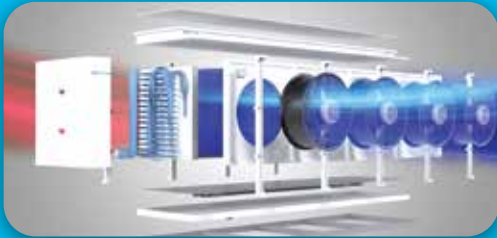
Why to choose BLUE COLD Product Cooler?



High grade aluminum fins with corrugated pattern and rippled fin edges for higher heat transfer efficiency and air turbulence



High air flow volume, with high external static pressure designed for blast freezing & chilling purpose



Efficient airflow pattern for quick cooling



Fin spacing from 4 mm to 10 mm to reduce frost formation

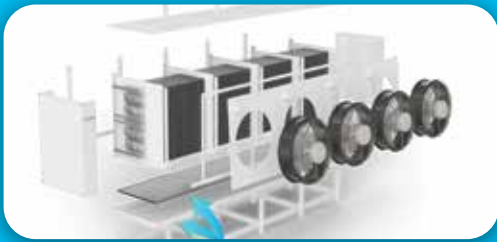


Pressure tested tubes

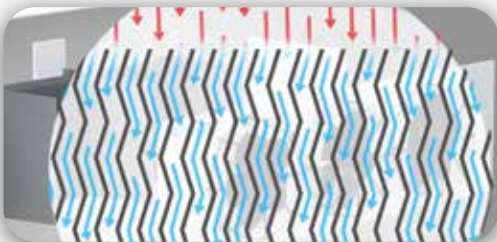


Bullet expansion on tubes

Why to choose BLUE COLD Product Cooler?



Double drip tray design to minimize air leakage



Sine wave fin structure



Smart coil circuit for efficient heat transfer



Bigger surface area & tube volume



Inner grooved copper tubes



Units available with axial fans and tube axial fans options

BLUE COLD Defrosting Options

The choice of defrosting system depends on the specific application. The frequency of defrost cycles, the method used, and the control system are all determined by factors such as environmental conditions, and the desired energy efficiency.

Proper defrosting is essential to maintain the performance and efficiency of heat exchangers in cold environments or applications where frost or ice formation is a concern. Blue Cold can offer several options capable of satisfying different system requirements like:



Electric Defrosting

Water Defrosting



Hot Gas Defrosting

Freon Cold Room Evaporator



Multiple Defrost Options



Powder Coated Casing



Cooling Range
upto 250 kW



Branded Fans



Smart Circuitry

Evaporator with SS Distributor



Copper Tubes &
Aluminum Fins



Stainless Steel
304L Tubes



Rapid Freezing for
Quality Retention



Leak-Proof & Reliable



Low Maintenance Design

Copper Finned Evaporator



Superior Heat Transfer



Durable Construction



Uniform Air Distribution



Corrosion Resistance



Energy Efficient Operation

Evaporator With Flame Proof Fans



Sealed Electrical Components



Corrosion Resistant Construction



Flameproof Motor



Overload Protection



Energy Efficient Design

Slim Line Dual Discharge



Dual-Side Air Throw



Low Air Duct



Compact, 3D
Modeled Design



Powder Coted Casing



Branded Fans

Radiator / Dry Cooler / Air Cooled Condenser



GI Powder
Coated Body



Medium, low & ultra low
Temperature applications



CNC-Machined
Copper Piping



Nitrogen Brazed
Tested



Copper Tubes &
Aluminum Fins

Blue Cold Installed Units



Ice Cream Freezer Room



Logistic Cold Room

Blue Cold Installed Units



Flower Cold Storage



Sea Food Processing Area

Blue Cold Installed Units



Cold Room for Chocolate



Cloud Kitchen

Blue Cold Installed Units



Cold Room for Seeds Storage



Cold Room for Pharma Products

Blue Cold Installed Units



Ice Cream Ante Room



Frozen Food Freezer Room

Blue Cold Installed Units



Fruits & Vegetables Cold Room



Green Peas Freezer Room

Blue Cold Installed Units



Sea Food Freezer Room



Cold Storage Chamber for Eggs

Blue Cold Infrastructure



Manufacturing Unit 1



Manufacturing Unit 2



Manufacturing Unit 3 & 4



Manufacturing Unit 5



Automatic Tube Cutting



Individual Tube Pressure Test



Fin Press



Bullet Expansion



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