

## *Ammonia Product Cooler*



## Advangates - Blue Cold Ammonia Product Cooler

Blue Cold ammonia product coolers are at the cutting edge of contemporary refrigeraiton design and process driven manufacturing.

The evolution has led to the product development that provides:

- Maximum Efficiency through optimized mass flow design.
- Material & components specified to world class standards.
- Longer life through appropriate material selection and robust construction.

## Features - Blue Cold Ammonia Product Cooler

- High quality power coated GI steel or Aluminum casing.
- Coils are designed with the contemporary designed for optimized refrigerant distribution.
- Standard SS304 imported tubes for efficient heat transfer and durability.
- High grade Aluminum fins are in corrugated pattern with rippled fin edges.
- Branded European Axial fans for low temperature application.
- Capacity rating are thermally guaranteed by Blue Cold and tested in accordance to global standard.
- One year warranty for all BLCA heat exchanger products.

## Applications



**Potato**



**Meat & Sea Food**



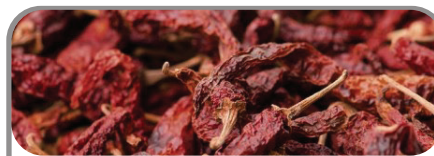
**Raisins**



**Kirana**



**Fruits & Vegetables**



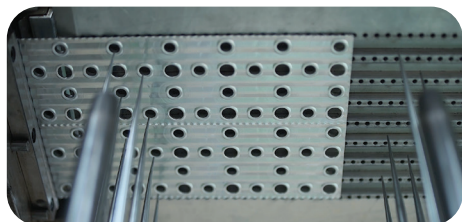
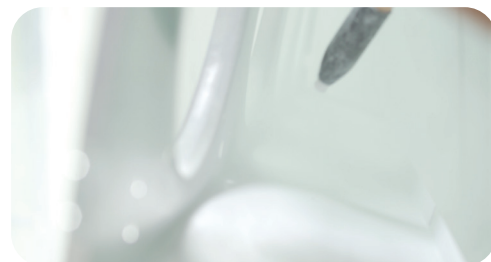
**Red Chilli**

## Nomenclature

Blue Cold Ammonia Product Coolers	BLCA
Fin Spacing (in mm)	6 / 7 / 8 / 10
Fan Size (400, 450, 500, 550, 630, 710, 800 & 910 mm Dia)	40 / 45 / 50 / 55 / 63 / 71 / 80 / 91
Coil Type	M / E / H / I
No. of Fans	1 / 2 / 3 / 4 / 5 / 6

## Features of Blue Cold Blast Freezer

High quality powder coating on Aluminium & GI casing




Fins are produced from high grade Aluminum with corrugated pattern and rippled fin edges for higher heat transfer efficiency and air turbulence.

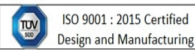

High air flow volume, with high external static pressure designed for blast freezing & chilling purpose.



Multiple options of defrosting from electric, hot gas, water & air defrosting system

## Blue Cold Select+



Welcome BlueCold

BLCA High Efficiency Ammonia Unit Cooler

DT(K) 
 Evaporation Temp(C)

Cooling Capacity(Kw) 
 Defrosting

Fin Spacing

Model	Cooling Capacity(Kw)	Tube Volume	Air flow (m <sup>3</sup> /hr)	Air throw (m)	Surface area (m <sup>2</sup> )
863I.1	18.91	35	11766	32	106.6
855H.2/600	21.46	30.7	20200	30	94.6
855H.2	20.44	30.7	17920	24	94.6
850H.2	19.28	33	14160.2	21	103.3
850I.2	21	44	14059.2	20	138.3
845E.3	18.76	28	16059	16	91.7
845H.3	21.47	36.6	15870	16	110.5
855M.3	23.95	30.7	27060	26	93.8
850M.3	22.6	33	21664	23	102.4
840E.5	18.08	30.9	16059	12	105
840H.5	20.71	37.6	15756	12	126
871H.1	20.03	33	16470	36	103.3
871I.1	22.83	45	14800	32	138.3

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### Product :

Model  
 Cooling Cap.(kW)  
 Refrigerant  
 Air Inlet (°C)  
 Evap. Temp(°C)  
 Air Flow (m<sup>3</sup>/hr)  
 Air Throw (m) (1)  
 Feed Rate

BLCA840H.5-H  
 20.71  
 R717 (Ammonia)  
 -23  
 -30  
 15756  
 12  
 4, Pump Feed

### Fan Details :

Fans  
 Fan Nominal (kW)

Dia 400mm X 5 No(s). 3~  
 400V, 50 Hz  
 0.22

### Other details :

Noise pressure level (dB)  
 Weight (kg)  
 Casing  
 MOC of Tubes  
 MOC of Fins  
 Max. Operating pressure:  
 Defrosting :

61  
 202  
 AlMg / G.I , Powder  
 Coated  
 SS304  
 Aluminium  
 32.0 bar  
 Hot Gas

### Coil :

Surface Area (m<sup>2</sup>)  
 Tube Volume(l)  
 Fin Spacing (mm)  
 Inlet Connection (mm)  
 Outlet Connection (mm)

126  
 37.6  
 8  
 33.7  
 50





## **Blue Cold Refrigeration Pvt. Ltd.**

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