



**CLIMATROL**  
CORPORATION

QUALITY  
REFRIGERATION  
EQUIPMENT

# FREEZERS & COLD ROOMS



**Boxcold**



## ABOUT US

CLIMATROL specializes in manufacturing Drinking Water Coolers, Eutectic Deep Freezers, standard Deep Freezers, Freezers on Wheels, Mortuary Cabinets, Brine Chillers, Refrigeration units for cold rooms and PUF Panels. These products are applied in the cooling and storage of perishable goods such as Packaged Foods, Medicines, Chemicals, Ice-creams, Fruit and Vegetables and Ripening Chambers or in any other product that needs to be kept at a medium temperature, +2°C, or a low temperature, -22°C. Our equipment is designed and built to meet high ambient and harsh conditions prevalent in India. Heat exchanger coils are liberally designed keeping this in mind.

CLIMATROL has a fully insulated environment test chamber in which refrigeration equipment is tested under load for performance and reliability. This includes testing for Airflow, Current, Voltage, Pressure, Temperature and Humidity. Our highly trained and experienced team of engineers & workmen, design, manufacture and service our Drinking Water Coolers and Refrigeration products. Our Quality Management System is ISO 9000 certified and is one of the best in the country. The company is internally audited to manage rejections and take corrective or preventive action basis feedback received from the field. This is the biggest contributor in maintaining our product reliability and durability.

We strive to be the brand that stands for superior products, timely delivery and best possible services, which guarantee 'exceptional value' to our customers, empowering them to gain a competitive advantage in their respective markets.



# CLIENTS





# DEEP FREEZERS

Climatrol Eutectic Deep Freezers, are the next generation deep freezers which are easy to use and extremely reliable, robust, & long-lasting. Their robust design ensures proper preservation of your stored materials as they are lined on all sides with special Eutectic material which solidifies during normal running and when electricity is cut off they keep the temperature in the chamber stable.

- Attains desired temperature in less time
- Improved Aesthetics and better visibility
- Ideally suited for Indian climatic conditions
- Temperature control
- Stabilizer free operation
- Durable build quality
- Long lasting operation
- Reliable service under heavy usage
- Easy to maintain and clean
- Provided with castor wheels for ease of shifting & placement

**CLIMATROL**

# **DEEP FREEZERS/ CHILLERS**





# DEEP FREEZERS

**CCFOW-120L**

Freezer on Wheels - CCF- 120L (GLYCOL)	
Storage capacity	
Liters	120
CFT	4.28
Gallons	25.66
Application	Ice Cream /Freezer

Appliance Size	
Height	705 mm
Width	940 mm
Depth	640 mm
Puf Insulation	40 kg/m <sup>3</sup>
Door- Top	SS-304 One no.
Temp range	-18°C to -32°C
Power	170 W
Current	0.9 Amp
Refrigerant	R-134a/R-404a
Stabilizer Requirement	0.75 KVA
Tubing	100% copper
Inner Tank	SS
Outer Body	Pre painted GI





# DEEP FREEZERS

**CCFOW-200L**

Freezer on Wheels - CCF- 200L (GLYCOL)	
Storage capacity	
Liters	200
CFT	7.14
Gallons	44.44
Application	Ice Cream /Freezer

Appliance Size	
Height	867 mm
Width	1035 mm
Depth	640 mm
Puf Insulation	40 kg/m <sup>3</sup>
Door- Top	SS-304 two nos.
Temp range	-18°C to 32°C
Power	315 W
Current	1.6 Amp
Refrigerant	R-134a/R-404a
stabilizer Requirement	1.0 KVA
Tubing	100% copper
Inner Tank	SS
Outer Body	Pre painted GI





# DEEP FREEZERS

**CCFOW-300L**

DEEP FREEZER- CCF- 300 L (STANDARD)	
Storage capacity	
Liters	300
CFT	10.71
Gallons	62.00
Application	Ice Cream /Freezer

Appliance Size		
Height	825 mm	
Width	1196 mm	
Depth	610 mm	
Puf Insulation	40 kg/m <sup>3</sup>	
Door- Top	One no.	
Temp range	-18°C to -32°C	
Power	150 W	
Current	0.8 Amp	
Refrigerant	R-134a/R-404a	
Stabilizer Requirement	0.75 KVA	
Tubing	100% copper	
Inner Tank	GPSP	
Outer Body	Pre painted GI	

DEEP FREEZER- CCF 300 L (GLYCOL)		
Storage capacity		
Liters	300	
CFT	10.71	
Gallons	66.66	
Application	Ice Cream /Freezer	

Appliance Size		
Height	825 mm	
Width	1320 mm	
Depth	640 mm	
Puf Insulation	40 kg/m <sup>3</sup>	
Door- Top	Two no.s	
Temp range	-18°C to -32°C	
Power	315 W	
Current	1.6 Amp	
Refrigerant	R-134a/R-404a	
Stabilizer Requirement	1.0 KVA	
Tubing	100% copper	
Inner Tank	GPSP	
Outer Body	Pre painted GI	





# DEEP FREEZERS

**CCFOW-300L**

DEEP FREEZER- CCF- 300 L (EUTECTIC)	
Storage capacity	
Liters	300
CFT	10.71
Gallons	66.66
Application	Ice Cream /Freezer

Appliance Size	
Height	825 mm
Width	1320 mm
Depth	640 mm
Puf Insulation	40 kg/m <sup>3</sup>
Door- Top	two no.s
Temp range	-18°C to -32°C
Power	340 W
Current	2.2 Amp
Refrigerant	R-134a/R-404a
Stabilizer Requirement	1.0 KVA
Tubing	100% copper
Inner Tank	GPSP
Outer Body	Pre painted GI





# DEEP FREEZERS

**CCFOW-500L**

DEEP FREEZER – CCF 500 L (NORMAL)	
Storage capacity	
Liters	500
CFT	15.90
Gallons	90.00
Application	Ice Cream /Freezer

Appliance Size	
Height	825 mm
Width	1800 mm
Depth	610 mm
Puf Insulation	40 kg/m <sup>3</sup>
Door- Top	three no.s
Temp range	-18°C to -32°C
Power	286 W
Current	1.4 Amp
Refrigerant	R-134a
Stabilizer Requirement	1.0 KVA
Tubing	100% copper
Inner Tank	GPSP
Outer Body	Pre painted GI





# DEEP FREEZERS

CCFOW-600L

DEEP FREEZER- CCF- 600 L (EUTECTIC)	
Storage capacity	
Liters	600
CFT	21.50
Gallons	110.00
Application	Ice Cream /Freezer

Appliance Size	
Height	935 mm
Width	2415 mm
Depth	660 mm
Puf Insulation	40 kg/m <sup>3</sup>
Door- Top	five no.s
Temp range	-18°C to -32°C
Power	950 W
Current	4.1 Amp
Refrigerant	R-404a
Stabilizer Requirement	2.0 KVA
Tubing	100% copper
Inner Tank	GPSP
Outer Body	Pre painted GI





# DEEP FREEZERS

**CCFOW-800L**

DEEP FREEZER- CCF- 800 L (GLYCOL)	
Storage capacity	
Liters	800
CFT	28.26
Gallons	175.00
Application	Ice Cream /Freezer

Appliance Size	
Height	960 mm
Width	2400 mm
Depth	765 mm
Puf Insulation	40 kg/m <sup>3</sup>
Door- Top	SS-304 four nos.
Temp range	-18°C to -32°C
Power	950W
Current	4.2 Amp
Refrigerant	R-404a
Stabilizer Requirement	2.0 KVA
Tubing	100% copper
Inner Tank	GPSP
Outer Body	Pre painted GI

DEEP FREEZER- CCF- 1200 L (GLYCOL)	
Storage capacity	
Liters	1200
CFT	42
Gallons	265.00
Application	Ice Cream /Freezer

Appliance Size	
Height	1015 mm
Width	2620 mm
Depth	965 mm
Puf Insulation	40 kg/m <sup>3</sup>
Door- Top	SS-304 four / eight no
Temp range	-18°C to -32°C
Power	1200W
Current	5.8 Amp
Refrigerant	R-404a
Stabilizer Requirement	4 KVA
Tubing	100% copper
Inner Tank	GPSP
Outer Body	Pre painted GI





# DEEP FREEZERS

CCFOWCP

DEEP FREEZER- CCF- CP (BRINE TANK)	
Storage capacity	
Liters of brine	790
CFT	28.26
Moulds	8
Application	Ice Cream /Freezer

Appliance Size	
Height	920 mm
Width	2440 mm
Depth	790 mm
Puf Insulation	40 kg/m <sup>3</sup>
Door- Top	SS-304 two no.s
Temp range	-18°C to -32°C
Power	2000W
Current	6.9 Amp
Refrigerant	R-404a
Stabilizer Requirement	5 KVA
Tubing	100% copper
Inner Tank	SS
Outer Body	SS





# WALK-IN COLD ROOMS

Climatrol typically undertakes Cold Room & Frozen Room projects with PUF Panels, Condensing Units or Rack Systems. Our in-house manufacturing capability of PUF Panels & Refrigeration Systems and support of well trained Engineers & Technicians all across India, gives us an edge over others. Equipment is designed and built to meet high ambient conditions year round. Our systems are widely used for storage of Perishable Foods, Medicines, Chemicals, Ice creams, Fruit & vegetables, Controlled Atmosphere Chambers, Fruit, Ripening Systems & many more.

Climatrol strength lies in highly technical product lines and ease of service. We serve our customers for any application with a product Range -35Deg C to +20Deg C. By using Smart Controls, we not only offer Sustainable and Energy efficient systems but also provide access to our customers to reach out to their systems through web from any part of the world.



Authorized Distributor of BOXCOLD Italy

# WALK-IN COLD ROOMS



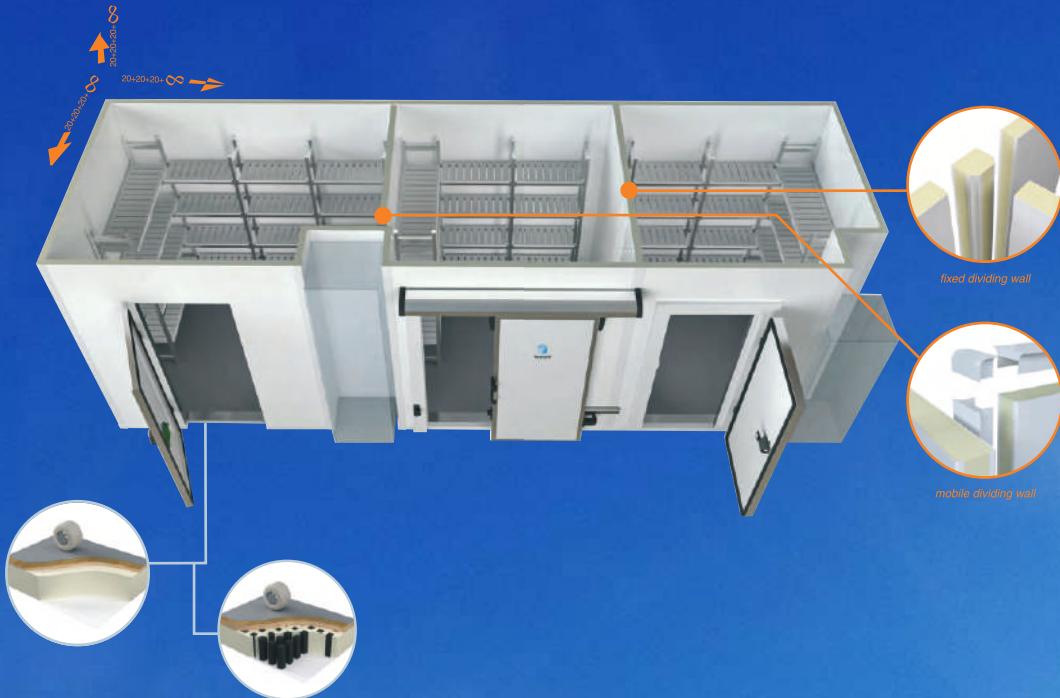


# WALK-IN COLD ROOMS

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QUALITY  
REFRIGERATION  
EQUIPMENT



# WALK-IN COLD ROOMS

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# WALK-IN COLD ROOMS



## LOW TEMPERATURE UNIT COOLERS

	INDOOR UNIT	LUC-635	LUC-800	LUC-990	LUC-1300	LUC-1600
1	Cooling capacity in KW (-26°C ET, 52°C CT)	2.0	3.0	4.0	5.0	6.0
1	Power supply V/ ph/Hz	220/1ph/50	420/3ph/50	420/3ph/50	420/3ph/50	420/3ph/50
2	Total power consumption Heater	2100 W	3200 W	4000 W	4000 W	4560 W
3	Width	560mm	590mm	590mm	590mm	590mm
4	length	1005mm	1420mm	1850mm	2080mm	2170mm
5	Height	465mm	465mm	465mm	465mm	465mm
6	Weight	32 kg	44 kg	44.5 kg	57 kg	65 kg
7	Fan motor W	80 W	240 W	240 W	320 W	560 W
8	Fan motor qty	2	3	3	4	4
9	Air flow m³/h	2430	6307	8887	10503	11400
10	Air flow CFM	1429	3710	5228	6178	6706
11	Material of body	SS/AL	SS/AL	SS/AL	SS/AL	SS/AL
12	suction line Dia	7/8"	7/8"	7/8"	7/8"	7/8"
13	Liquid line dia	3/8"	3/8"	3/8"	3/8"	3/8"
15	Fpi	6	6	6	6	6
16	Refrigerant	R-404a	R-404a	R-404a	R-404a	R-404a



# WALK-IN COLD ROOMS



## LOW TEMPERATURE OUTDOOR UNITS

	OUT DOOR UNIT	CCL-1	CCL-2	CCL-3	CCL-4	CCL-5	CCL-6
	Cooling cap. in KW (-26°C ET and 52°C CT)	1.8	2.5	3.0	3.9	5.5	6.5
1	Power supply v/ph/Hz	220/1ph/50	220/1ph/50	440/3ph/50	440/3ph/50	440/3ph/50	440/3ph/50
2	compressor model	KCM 475 LAL	AW 2512	KCM-515 LAL		Semi-hermetic	
<b>Dimensions</b>							
3	Width	610mm	610mm	710mm	955mm	955mm	955mm
4	Length	1260mm	1260mm	1010mm	1020mm	1320mm	1320mm
5	Height	660 mm	660 mm	710mm	755mm	755mm	780 mm
6	Weight	101 kg	101 kg	111 kg	154 kg	190 kg	210 kg
7	Fan motor W	180 W	180 W	250 W	420 W	840 W	840 W
8	Air flow CFM	2663	2663	3710	5380	6393	8200
9	Material of body	CRC/GI	CRC/GI	CRC/GI	CRC/GI	CRC/GI	CRC/GI
10	HP setting	350	350	350	350	350	350
11	LP setting	15	15	15	15	15	15
12	Valve connection size(suction)	5/8"	5/8"	5/8"	NA	NA	NA
13	Valve connection size(liquid)	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"
14	Fpi	12	12	12	12	12	12
15	Refrigerant	R-404a	R-404a	R-404a	R-404a	R-404a	R-404a



# WALK-IN COLD ROOMS



## MEDIUM TEMPERATURE UNIT COOLERS

	INDOOR UNIT	MUC - 940	MUC - 1120	MUC - 1410	MUC - 1680	MUC - 2240	MUC - 3000	MUC - 3900	SLIM - 940	SLIM - 1120
Cooling cap. in KW (-4°C ET and 54°C CT)	2.0	3.0	4.5	6.0	6.5	9.0	12.0	2.0	4.0	
1 Power supply v/ph/Hz	220/1ph/50	220/1ph/50	220/1ph/50	220/1ph/50	220/1ph/50	220/1ph/50	220/1ph/50	220/1ph/50	220/1ph/50	220/1ph/50
2 Total Power consumption	170 W	170 W	255 W	255 W	840 W	840 W	750 W	150 W	200 W	
3 Width	560mm	560mm	560mm	560mm	580mm	580mm	630mm	560mm	560mm	
4 length	1320mm	1320mm	1820mm	1850mm	1765mm	1765mm	2015mm	1400mm	1750mm	
5 Height	405mm	405mm	405mm	405mm	670mm	670mm	790mm	250mm	250mm	
6 Weight	30 kg	32 kg	39 kg	41.4 kg	74 kg	74 kg	105 kg	28.4 kg	37.5 kg	
7 Fan motor W	170 W	170 W	253W	255W	840W	840W	750W	150W	200W	
8 Fan motor qty	2	2	3	3	2	2	3	3	4	
9 Air floW CFM	2026	2051	2974	3103	9309	9309	10891	1753	2084	
10 Material of body	SS/AL	SS/AL	SS/AL	SS/AL	SS/AL	SS/AL	SS/AL	SS/AL	SS/AL	
11 Suction line Dia	5/8"	5/8"	5/8"	5/8"	7/8"	7/8"	7/8"	5/8"	5/8"	
12 Liquid line dia	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	
13 Fpi	10	10	10	10	10	10	10	10	10	



# WALK-IN COLD ROOMS



## MEDIUM TEMPERATURE OUTDOOR UNITS



# WALK-IN COLD ROOMS



## CONDENSING UNITS

Climatrol Condensing units are designed to meet high ambient Indian conditions.

### Features:

- \_ Powder coating housing
- \_ Unit supplied with HP/LP switch, Drier, services valves, sight glass, receiver as standard scope of supply
- \_ Electrical control panel with safety protection
- \_ Rugged fan motor designed for high ambient Indian conditions
- \_ Energy efficient reciprocating/ Scroll compressor
- \_ High air flow fan motor for effective heat dissipation



# WALK-IN COLD ROOMS



## EVAPORATORS

Slim and cubic evaporators

### Features:

- \_ Evaporator casing available in Stainless Steel Aluminium, Powder coated sheet
- \_ Openable bottom cover for easy maintenance of drainpan
- \_ Simple Design
- \_ Auto defrost for low temperature application
- \_ Highly energy efficient fan
- \_ Insulated bottom tray for low temperature room
- \_ Electrical defrost



# MORTUARY CHAMBERS

## TEMPERATURE RANGE AND CONTROL

Available with temperature range of 2°C to 8°C. However these cabinets can also be made with specific temperature range as required by the customer. For accurate measurement and display of temperature a digital display is used.

These units are equipped with micro-controller based digital control panel which is operated with push buttons. For safety high and low temperature alarm system also displayed.

## REFRIGERATION SYSTEM

Refrigeration system is energy efficient, environment friendly, completely airtight and can be roof top or ceiling mounted. This refrigeration system can also be installed as remote equipment where noise or heat can be a nuisance. The evaporator is equipped with automatic electric defrosting. Featuring noise less compressor and air cooled condenser. This cooling system provides full value for money.

## CONSTRUCTION

Double walled construction and made of 304 grades corrosion resistant stainless steel. For insulation high density polyurethane foam is used for minimizing thermal loss and meeting the particular temperature requirements of refrigeration in mortuaries.

## DOORS

Doors are made of stainless steel pre-painted on painted G.I. sheets and fitted with external lock for security. These doors are situated in front and allows easy loading for trolleys. These doors feature lining in odourless rubber gaskets.

## Accessories

Supplied with a number of optional accessories to provide easy accessibility of machines such as Castors, Stabilizers, Loading Trolley, Instruments Trolley, Data Logger and Temperature Chart Recorder etc.



# MORTUARY CHAMBERS





# MORTUARY CHAMBERS



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# TECHNICAL SPECIFICATIONS

# MORTUARY CHAMBERS

**Specifications are liable to change for product improvement**

Model	CC-20 2-Bodies	CC-40 4-Bodies	CC-60 6-Bodies
Width (mm)	800	1600	2400
Depth (mm)	2400	2400	2400
Height (mm)	2100	2100	2100
Refrigeration System/Unitary Type	MCU-02	MCU-04	MCU-06
Temperature Range	2°C to 6°C		
Power Supply	230 V 1Ph 50 Hz		
<b>Sheet Metal</b>	S.S(Exterior & Interior)		
Inner Finish & Outer Finish	0.5 SS 304		
Door & Door Frame	0.5 SS 304		
Insulation thickness (mm)	60 mm or 80 mm		
Insulation material	Rigid Polyurethane foam (CFC free)		
Locking mechanism	Cam - Locks Embedded in Foam		
Standard Accessories			
Lamp	Vapor proof incandescent lamp, 40 W		
Temperature Indicator cum Controller	Electronic with Digital Display		
Carriage assembly	Three Piece, telescopic action, GI Power Coated		
Mortuary Tray	One-Piece stainless steel tray with tubular edge and handles		
Refrigeration System (Roof Top Mounting Unitary)	Roof Top Mounted Modular		
Capacity (BTU/hr)	12,800	18,000	25,000
Total Unit Power Consumption (kW)	1.5kW	1.81 kW	2.2kW
Operating Conditions	4°C Room Temp. @ 35°C Ambient		
Overall Dimensions (mm) of Ref. Unit	1140 (L) x 900 (W) x 415 (H)		
Refrigerant	R-22 / CFC FREE		

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