







MEDICAL REFRIGERATION RANGE

RELIABLE STORAGE. EXCEPTIONAL CONTROL.



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With over seven decades of experience, Blue Star, India's leader in air conditioning and refrigeration solutions brings diverse commercial refrigeration products and solutions to cater to the needs of customers. Be it a hotel, school, university hostel or eatery, hospital, research institute or blood bank laboratory, our products serve as impeccable solutions every single time. To preserve food and keep it fresh for a long time, we bring you cutting-edge products like Reach-in Chillers and Freezers, Undercounter Chillers and Freezers, Modular Cold Rooms, Deep Freezers and Bottle Coolers. To cool water fast, we have the widest range of Storage Water Coolers on offer. These water coolers are available with different types of purification options. With reliable refrigeration design, every product has been tested to perform in high ambient conditions.

Blue Star now brings you a range of freezers and refrigerators, with low and ultra low temperature settings, for scientific and medical applications.

Our entire range of refrigeration products meets high quality ISO standards to comply with today's hygiene and sanitary regulations. To meet the requirements of customers across the spectrum, Blue Star offers multiple models under each product category.

MEDICAL FREEZERS

Blue Star range of ultra-low upright freezers comes with highly efficient compressors and eco-friendly refrigerants. These medical freezers offers a wide variety of research and storage applications such as low temperature scientific experiments, preservation of plasma, biomaterials, vaccines and biomedical properties of military products. It is suitable for research institutes, electronic industries, chemical engineering industries, hospitals, university laboratories, military industries, sanitation and antiepidemic stations.

-86°C ULTRA LOW MEDICAL FREEZER

FEATURES:

- Microprocessor controller for precision temperature
- Audio and visual safety alarms with password protection configuration
- Inner cabinet made of SS304 stainless steel and exterior made of painted steel
- · Safety door lock
- Direct cooling system
- · Caster wheels with brakes
- 7'LED touch screen* for user friendly interface
- · Cabinet with high performance Vaccum Insulation Panel (VIP) 125mm for temperature retention
- Battery backup for temperature display & alarm functions in event of power failure
- USB storage function with data storage of 364 days
- · CFC free, HCFC free, Eco-Friendly Refrigerant



*DW-HL100 and DW-HL218 have control panel with key pad.

Product Name	DW-HL100	DW-HL218	DW-HL398S	DW-HL528S
Capacity(L)	100	218	398	528
Temperature Range (°C)	-40 to -86	-40 to -86	-40 to -86	-40 to -86
Cooling Performance (°C)	-86	-86	-86	-86
Refrigerant	Mixture Gas/420g	Mixture Gas/500g	Mixture Gas/600g	Mixture Gas/600g
Cooling method	Direct Cooling	Direct Cooling	Direct Cooling	Direct Cooling
Display	Digital display (Key Pad)	Digital display (Key Pad)	Touch Screen Controller Display	Touch Screen Controller Display
Temperature data storage	Standard with micro-printer	Standard with micro-printer	USB	USB
Internal Size(WxDxH) mm	450x439x514	470x570x767	440x696x1266	585x696x1266
External Size (WxDxH) mm	1066x742x820	840x940x1552	785x1041x1947	930x1041x1947
Net Weight(Kg)	145	205	252	286
Gross Weight (Kg)	176.5	251	287	336
Power Consumption(KWh/24h)	8.00	8.63	10.97	12.48
Rated Volt/Freq/Power (V/Hz/W)	220/50/1000	220/50/1056	220/50/1050	220/50/1050
External Material	High Quality Steel plates with spraying			
Inner Material	304 Stainless steel	304 Stainless steel	304 Stainless steel	304 Stainless steel

Product Name	DW-HL678S	DW-HL778S	DW-HL858S	DW-HL1008S
Capacity(L)	678	778	858	1008
Temperature Range (°C)	-40 to -86	-40 to -86	-40 to -86	-40 to -86
Cooling Performance (°C)	-86	-86	-86	-86
Refrigerant	Mixture Gas/600g	Mixture Gas/600g	Mixture Gas/600g	Mixture Gas/600g
Cooling method	Direct Cooling	Direct Cooling	Direct Cooling	Direct Cooling
Display	Touch Screen Controller Display	Touch Screen Controller Display	Touch Screen Controller Display	Touch Screen Controller Display
Temperature data storage	USB	USB	USB	USB
Internal Size(WxDxH) mm	750x696x1286	865x696x1286	877x696x1378	1022x696x1378
External Size (WxDxH) mm	1090x1025x1955	1205x1025x1955	1217x1025x2005	1362x1025x2002
Net Weight(Kg)	330	380	390	430
Gross Weight (Kg)	395	435	460	500
Power Consumption(KWh/24h)	15.27	16.80	15.28	19.01
Rated Volt/Freq/Power (V/Hz/W)	220/50/1400	220/50/1400	220/50/1550	220/50/1850
External Material	High Quality Steel plates with spraying			
Inner Material	304 Stainless steel	304 Stainless steel	304 Stainless steel	304 Stainless steel



-40°C UPRIGHT MEDICAL FREEZER

FEATURES:

- Microprocessor controller for precision temperature
- Audio and visual safety alarm systems with password protection configuration page.
- Inner cabinet made of Aluminium plate material and exterior made of painted steel
- Safety door lock
- · Direct cooling system
- Drawers for easy storage
- · Caster wheels with brakes
- Each cabinet can be controlled independently with independent refrigeration system (DW-FL450)
- Battery backup for temperature display & alarm functions in event of power failure
- Data logger for temperature recording records 55 days of data
- CFC free, HCFC free, Eco-Friendly Refrigerant





Product Name	DW-FL90G	DW-FL270G	DW-FL450G	DW-FL531J
Capacity(L)	90	262	450	531
Temperature Range (°C)	-10 to -40	-10 to -40	-10 to -40	-10 to -40
Cooling Performance (°C)	-40	-40	-40	-40
Refrigerant	R600a	R290	R290	R507
Cooling method	Direct Cooling	Direct Cooling	Direct Cooling	Direct Cooling
Display	Digital display	Digital display	Digital display	Digital display
Temperature data storage	/	/	USB	USB
Internal Size(WxDxH) mm	500x475x530	500x460x1235	(650x570x627) x2	600x662x1444
External Size (WxDxH) mm	677x649x948	700x640x1792	810x735x1960	842x734x2004
Net Weight(Kg)	54	94	143.5	203
Gross Weight (Kg)	59.5	102	156	238
Power Consumption(KWh/24h)	1.69	2.86	5.03	6.88
Rated Volt/Freq/Power (V/Hz/W)	220/50/200	220/50/255	220/50/460	220/50/435.5
External Material	PCM	PCM	PCM	High Quality Steel plates with spraying
Inner Material	Aluminum plate with spraying	Aluminum plate with spraying	Aluminum plate with spraying	Spray galvanized steel plate



-25°C UPRIGHT MEDICAL FREEZER

FEATURES:

- Microprocessor controller for precision temperature
- · Audio and visual safety alarm system
- Inner cabinet made of Aluminium plate material and exterior made of painted steel
- Safety door lock
- · Direct cooling system
- Drawers for easy storage
- · Caster wheels with brakes
- Each cabinet can be controlled independently with independent refrigeration system (DW-YL450)
- Battery backup for temperature display & alarm functions in event of power failure
- Data logger for temperature recording records 55 days of data
- CFC free, HCFC free, Eco-Friendly Refrigerant

TECHNICAL SPECIFICATIONS

Product Name	DW-YL90H	DW-YL270H	DW-YL450H
Capacity(L)	90	262	450
Temperature Range (°C)	-10 to -25	-10 to -25	-10 to -25
Cooling Performance (°C)	-25	-25	-25
Refrigerant	R600a	R600a	R600a
Cooling method	Direct Cooling	Direct Cooling	Direct Cooling
Display	Digital display	Digital display	Digital display
Temperature data storage	/	/	USB
Internal Size(WxDxH) mm	500x475x530	500x460x1235	(650x570x627)x2
External Size (WxDxH) mm	677x649x948	700x640x1792	810x735x1955
Net Weight(Kg)	53.5	89.5	136
Gross Weight (Kg)	59	97.5	148
Power Consumption(KWh/24h)	0.58	1.21	2.41
Rated Volt/Freq/Power (V/Hz/W)	220/50/75	220/50/135	220/50/340
External Material	SPCC steel with powder coating	PCM	PCM
Inner Material	Aluminum plate with spraying	Aluminum plate with spraying	Aluminum plate with spraying







DW-YL90H DW-YL270H DW-YL450H

2°C~8°C MEDICAL REFRIGERATORS

Blue Star's range of medical refrigerators comes with efficient compressor and rust free interior for more hygienic use. These are specialized refrigerating units for cold storage of pharmaceuticals as well as biological products. It is suitable for hospitals, drugstores, pharmaceutical factories, sanitation and anti epidemic station and clinics.

FEATURES:

- Microprocessor controller for precision temperature
- · Audio and visual safety alarm system
- Rust free pre coated steel interior and HIPS plastic for more hygenic use
- Safe time delay for compressor start during power on for safety protection
- · Ventilated air circulation system to ensure better cooling
- LED lighting and glass door for clear content visibility
- · Safety door lock
- Multi-layer movable shelves
- · Caster wheels with brakes
- Battery backup for temperature display & alarm functions in event of power failure
- Data logger for temperature recording records 55 days of data
- CFC free, HCFC free, Eco-Friendly Refrigerant







YC-315LH YC-520LG

TECHNICAL SPECIFICATIONS

Product Name	YC-260WDFI	YC-315LH	YC-520LG	YC-610WDFG	YC-810WDFG	YC-1200WDFG
Capacity(L)	260	315	520	610	810	1100
Temperature Range (°C)	2-8°C	2-8°C	2-8°C	2-8°C	2-8°C	2-8°C
Refrigerant	R600a	R600a	R290	R290	R290	R290
Cooling method	Ventilated	Forced Air Cooling	Forced Air Cooling	Ventilated	Ventilated	Ventilated
Display	Digital display	Digital display	Digital display	Digital display	Digital display	Digital display
Temperature data storage	USB	USB	USB	USB	USB	USB
Internal Size (WxDxH) mm	475x520x1288	580x533x1122	610x685x1264	910x480x1555	1100x530x1555	1425x530x1555
External Size(WxDxH) mm	575x612x1695	650x673x1762	720x810x1961	1000x610x2020	1190x660x2020	1515x660x2020
Net Weight(Kg)	63	87	148	122	142	178
Gross Weight (Kg)	68	99	174	142	165	210
Power Consumption(KWh/24h)	1.8	2.05	3.81	3.1	3.9	4.9
Rated Volt/Freq/Power (V/Hz/W)	220/50/180	220/50/220	220/50/415	220/50/310	220/50/390	220/50/490
External Material	Pre-coated steel	Pre-coated steel	Pre-coated steel	Pre-coated steel	Pre-coated steel	Pre-coated steel
Inner Material	HIPS	HIPS	Stainless Steel	Pre-coated steel	Pre-coated steel	Pre-coated steel







YC-1200WDFG

COMBINED REFRIGERATOR AND FREEZER

Blue Star's range of combined refrigerator and freezers come with two compressors and have separate control of the upper refrigeration chamber and the lower freezing chamber. These machines are suitable for use in scientific research, cryogenic test on special materials, blood plasma preservation, low temperature resistance test on biological materials, vaccines, biological products and military products, etc. They are also suitable for research institutions ,the electronic industry, the chemical industry, hospitals & disease prevention systems, laboratories in colleges & universities, military enterprises, etc.

Product Name	YCD-EL289	YCD-EL300	YCD-EL450	YCD-EL519
Capacity(L)	289	292	450	519
Temperature Range (°C)	R: 2°C~8°C F: -10°C~-25°C	R: 2°C~8°C F: -10°C~-25°C	R: 2°C~8°C F: -10°C~-25°C	R: 2°C~8°C F: -10°C~-25°C
Refrigerant	R134a	R600a	R600a	R600a
Cooling method	R: Forced Cooling F: Direct Cooling			
Display	Digital Display	Digital Display	Digital Display	Digital Display
Temperature data storage	USB	/	USB	USB
Internal Size(WxDxH) mm	R: 600x510x670 F: 500x460x505	R:600x510x657 F:500x460x535	R: 650x570x627 F: 650x570x627	R: 750x610x740 F: 650x560x565
External Size (WxDxH) mm	745x650x1845	700x640x1826	810x745x1955	910x740x1972
Net Weight(Kg)	140	87	144	186
Gross Weight (Kg)	162	95	156	215
Power Consumption(KWh/24h)	3.11	1.54	3.29	3.76
Rated Volt/Freq/Power (V/Hz/W)	220/50/345	220/50/330	220/50/464	220/50/560
External Material	Steel plate with spraying	PCM	PCM	Steel plate with spraying
Inner Material	304 Stainless steel	Aluminum plate with spraying	Aluminum plate with spraying	201 Stainless steel



FEATURES:

- Temperatures in the upper cabinet can range between 2°C to 8°C
- Temperatures in the lower cabinet can range between -10°C to -25°C in the EL series and -10°C to -40°C in the FL series.
- · Audio and visual safety alarm system
- ABS material interior, painted steel panels exterior.
- Direct/Forced cooling system
- Each cabinet can be controlled independently with independent refrigeration system
- LCD display clearly displays temperature information
- Battery backup for temperature display & alarm functions in event of power failure
- Data logger for temperature recording records 55 days of data
- CFC free, HCFC free, Eco-Friendly Refrigerant

Product Name	YCD-FL289	YCD-FL450	YCD-FL519
Capacity(L)	289	450	519
Temperature Range (°C)	R: 2°C~8°C F: -10°C~-40°C	R: 2°C~8°C F: -10°C~-40°C	R: 2°C~8°C F: −10°C~-40°C
Refrigerant	R: R134a F: R290	R: R600a F: R290	R: R600a F: R290
Cooling method	R: Forced Cooling F: Direct Cooling	R: Forced Cooling F: Direct Cooling	R: Forced Cooling F: Direct Cooling
Display	Digital Display	Digital Display	Digital Display
Temperature data storage	USB	USB	USB
Internal Size(WxDxH) mm	R: 600x510x670 F: 500x460x505	R: 650x570x627 F: 650x570x627	R: 750x610x740 F: 650x560x565
External Size (WxDxH) mm	745x650x1845	810x745x1955	910x740x1972
Net Weight(Kg)	143	146	186
Gross Weight (Kg)	165	159	215
Power Consumption(KWh/24h)	3.76	4.95	5.17
Rated Volt/Freq/Power (V/Hz/W)	220/50/675	220/50/670	220/50/652
External Material	Steel plate with spraying	PCM	Steel plate with spraying
Inner Material	304 Stainless steel	Aluminum plate with spraying	201 Stainless steel







YCD-FL519

ICE LINED REFRIGERATORS

When it comes to storing the precious vaccines, there's no room for compromise. Introducing Blue Star Ice Lined Refrigerator. Enabled with PUF insulation, Blue Star Ice Lined Refrigerator ensures complete care and protection for vaccines at a consistent required temperature of 2°C to 8°C. Making it the ultimate storage space for all life-saving vaccines.

FEATURES:

- Holdover time of upto 20 hours
- Tested to perform in climates with ambient temperatures from 10° to 43° C
- High density PUF insulation (110mm) to ensure long holdover time
- Audio and visual safety alarms for high/low temperature, sensor failure, door open alarm
- Equipped with efficient compressor characterised by fast refrigeration and low noise
- Built in door handle and universal caster wheels facilitate easy movement, handling and placement during transportation
- Battery backup for digital temperature display
- Eco-friendly refrigerant (R290)







TECHNICAL SPECIFICATIONS

Product Name	YC-150EW	YC-275EW
Capacity(L)	150	275
Temperature Range (°C)	2~8°C	2~8°C
Cooling Performance (°C)	4°C	4°C
Holdover Time	20 hours	20 hours
Refrigerant	R290	R290
Cooling method	Direct Cooling	Direct Cooling
Display	Digital display	Digital display
Internal Size(WxDxH) mm	585x465x651	1019x465x651
External Size (WxDxH) mm	811x775x929	1245x775x929
Net Weight(Kg)	64	87
Gross Weight (Kg)	66	94
Power Consumption(KWh/24h)	0.8	2.42
Rated Volt/Freq/Power (V/Hz/W)	220/50/298	220/50/351
External Material	SPCC epoxy coating	Sprayed steel plate
Inner Material	Stainless steel	Stainless steel

CERTIFICATIONS:







VACCINE TRANSPORTERS

Every vaccine needs the ultimate transporter for it. Introducing Blue Star Vaccine Transporter. Built with PUF based double walls, Blue Star Vaccine Transporter ensures optimum insulation and complete protection of the vaccine. So, let's make sure vaccines reach everyone safely in its optimum form throughout its journey.

FEATURES:

- Accurate temperature control in the range of 2°C to 8°C
- AC/DC Adapter for maintaining the temperature accuracy.
- · Digital temperature control
- DC compressor with minimal noise level
- Easy mobility facilitated by gear wheel and pull rod (ALG50)
- Eco-friendly refrigerant (R134a)
- High quality cabinet material to protect against deforming
- · Anti-shake design







AXR20 AXR40 ALG50

TECHNICAL SPECIFICATIONS

Product Name	AXR20	AXR40	ALG50
Capacity(L)	20	40	50
Temperature Range (°C)	2°C to 8°C	2°C to 8°C	2°C to 8°C
AC/DC Adapter	Yes	Yes	Yes
Refrigerant	R134a	R134a	R134a
Cooling method	Direct Cooling	Direct Cooling	Direct Cooling
Display	Digital display	Digital display	Digital display
External Size (WxDxH) mm	630x364x350	630x364x470	630x404x530
Net Weight(Kg)	13.5	15.5	18
Gross Weight (Kg)	16	18	21.3
Rated Voltage (V)	DC12V/24V	DC12V/24V	DC12V/24V
Power (W)	55	55	55
External Material	PP	PP	PP
Inner Material	PP	PP	PP

CERTIFICATIONS:

