



BLUE STAR

BLUE STAR MEDICAL FREEZERS & REFRIGERATORS. RELIABLE STORAGE. EXCEPTIONAL CONTROL.





Blue Star takes great pride in celebrating its long and successful journey to become an industry leader synonymous with innovation, quality and world-class customer experiences, that too across the world. Leveraging over 7 decades of experience in building air conditioning and refrigeration solutions, Blue Star's commercial refrigeration offerings cover a variety of applications at hotels, schools & universities, hostels and various eateries.

Each world-class solution is designed for optimum preservation and storage of foods and food produce, ensuring freshness for longer periods. Commercial refrigeration solutions include Pharmacy Refrigerators, Medical Freezers, Reach-in Chillers & Freezers, Under Counter Chillers & Freezers, Modular Cold Rooms, Multi-Deck Open Chillers, Island Freezers, Deep Freezers and Bottle Coolers. Blue Star also offers the widest range of Storage Water Coolers with different choices of purification, all tested for superior performance in high-ambient conditions.

Apart from every product complying with high-quality ISO standards for hygiene and sanitation, Blue Star manufactures multiple models under each product category to suit the requirements of customers across the spectrum.

To choose a high-performance medical refrigerator or freezer as per standards is very critical as temperature variation can have an impact on the quality and efficacy of samples, medicine, chemicals and other temperature-sensitive materials.

Temperature Fluctuation can impact effectiveness of all type of storage materials. Blue Star medical refrigerator and freezers are equipped with various features that enable flexibility and maintain the quality of the samples during preservation.

AFTER-SALES SUPPORT – BLUE STAR CARE

Blue Star strives to ensure a world-class customer experience with prompt resolutions to your concerns and service requests through a cohesive network of 2100+ authorised Expert Service Centres in India.

BENEFITS OF BLUE STAR CARE



STRONG SERVICE NETWORK OF 2100+ CENTRE ACROSS INDIA

Blue Star Care functions across a tight-knit network of more than 2100 centres across the country to ensure prompt resolutions to your service requests.



UNMATCHED TECHNICAL COMPETENCY

By employing the use of modern technology and applying the right knowledge, Blue Star Care offers expert solutions to technical issues faced with your refrigeration products.



BLUE STAR'S CUSTOMER CARE APP FOR MOBILE DEVICES

Available on both Google Play and the App Store, the Blue Star customer care app, allows you to register your products and also raise service requests.



10 SECONDS TO REACH US

Use the Blue Star Customer Care Mobile App to raise a service concern in under '10 seconds'. A field executive will be notified of your service request and will come back to you with a resolution. Then, using the mobile app post receiving your nod of approval on the issue being resolved, the service call will be closed.



24 X 7 CUSTOMER CALL CENTRE

Simply call 1800 209 1177 or 1860 266 6666 or SMS "Service" to 57575 or mail your queries to customerservice@bluestarindia.com at any time of the day (or night). We vouch for immediate registration of complaints, a committed response as well as a resolution to your refrigeration issues.



SERVICE ON WHEELS

Blue Star Care has a fleet of 200+ service crew vehicles that make reliable after sales services easily accessible, around the country.



2°C TO 8°C PHARMACY REFRIGERATORS

Blue Star's Pharmacy Refrigerators are specially designed for positive temperature storage of samples, pharmaceuticals, medicines, vaccines and more. These models have a glass door for convenient sample viewing and ventilated air circulation system to maintain uniform and precise temperature.



Microprocessor controller for precision temperature and high-brightness digital temperature display.



The compressor start delay and stopping interval protection function can ensure reliability operation.



LED lighting and glass door for clear content visibility.



Automatic defrost for better temperature uniformity.



The door is equipped with a lock, preventing it from opening accidentally.



The well-developed audible & visual alarm functions: High/Low Temperature, Sensor Error, Low Battery, Door Ajar, Power Failure & Remote Alarm.



Battery back-up for display and alarms system during power failure.



CFC free, HCFC free, Eco-Friendly Refrigerant.



Multi-layer movable shelves.



Caster wheels with brakes or leveling foot.



USB Data logger for temperature recording.



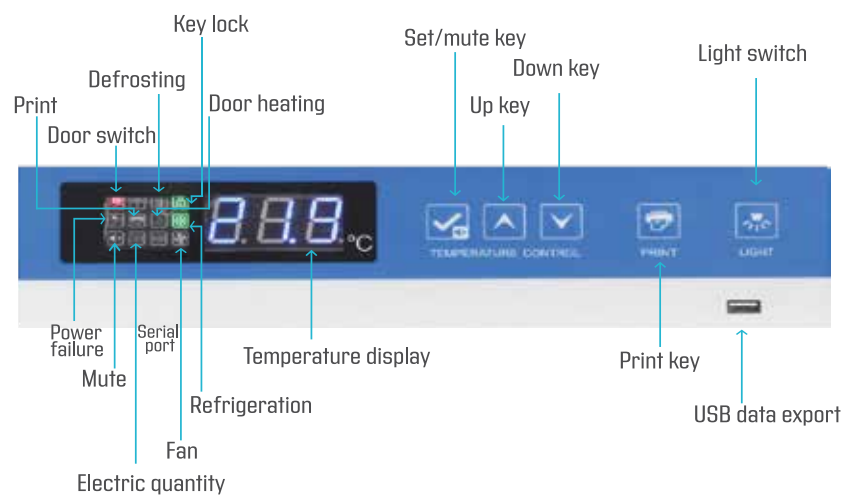
Door heating modes: automatic, continuous and off mode, to prevent glass door from condensation.



Keyboard lock prevent from operating parameters without permission.



YC-520LG



Technical Specifications:

Model	YC-520LG
Capacity (L)	520
Temperature Range (°C)	2-8
Internal size (W*D*H) mm	610*685*1264
External size (W*D*H) mm	720*810*1961
Net Weight (KG)	148
Gross Weight (KG)	174
Exterior Material	Spray cold rolled steel plate
Interior Material	Stainless Steel
Refrigerant	R290

-25°C LABORATORY FREEZERS

Blue Star's range of laboratory Freezers are equipped with highly efficient compressors along with safety alarm systems. The temperature in the cabinet can be set in the range of -10°C to -25°C. These freezers are designed to store samples, reagents, chemicals, pharmaceuticals, biological and other laboratory materials with precision temperature control.



Microprocessor controller for precision temperature.



Direct cooling system.



The compressor start delay and stopping interval protection function can ensure reliability operation.



The door is equipped with a lock, preventing it from opening accidentally.



The well-developed audible & visual alarm functions: High/Low Temperature, Sensor Error, Low Battery, Door Ajar, Power Failure, Remote Alarm, High ambient temperature & USB datalog failure.



Battery back-up for display and alarms system during power failure.



DW-YL450H with 2 cooling system for separate chamber temperature control.



CFC free, HCFC free, Eco-Friendly Refrigerant.



Drawers for easy storage.



Caster wheels with brakes or leveling foot.



Hot gas pipe surrounding to prevent from condensation.



USB Data logger for temperature recording.



Keyboard lock prevent from operating parameters without permission.

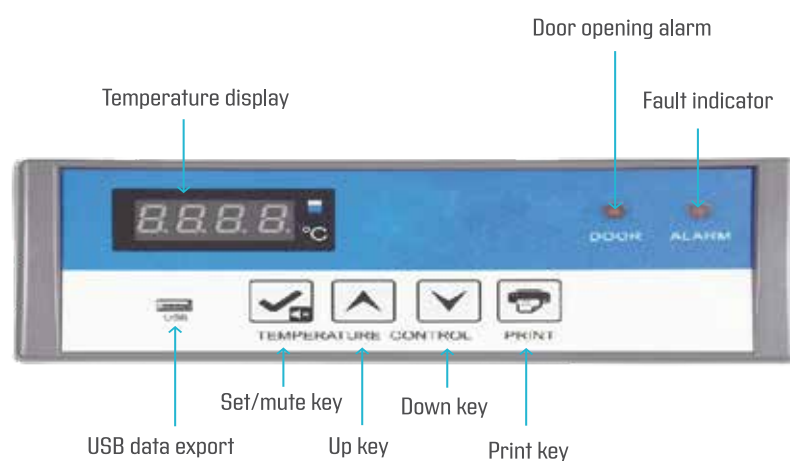




DW-YL90H

DW-YL270H

DW-YL450H



DW-YL90H, DW-YL270H, DW-FL90G, DW-FL270G

Technical Specifications:

Model	DW-YL90H	DW-YL270H	DW-YL450H
Capacity (L)	90	270	450
Temperature Range (°C)	-10~-25	-10~-25	-10~-25
Internal size (W*D*H) mm	500*485*532	500*460*1235	Up/Down: 650*570*627
External size (W*D*H) mm	700*669*854	700*640*1792	810*735*1960
Net Weight (KG)	54	90	136
Gross Weight (KG)	59	98	156
Exterior Material	PCM Pre-coated Plate	PCM Pre-coated Plate	PCM Pre-coated Plate
Interior Material	Spray Aluminum Plate	Spray Aluminum Plate	Spray Aluminum Plate
Refrigerant	R600a	R600a	R600a

-40°C LABORATORY FREEZERS

Blue Star's range of Ultra Low Temperature Freezers are equipped with highly efficient compressors along with safety alarm systems. The temperature in the cabinet can be set in the range of -20°C to -40°C . These freezers are designed to store samples, reagents, chemicals, plasma, biological and other laboratory materials with precision temperature control.



Microprocessor controller for precision temperature.



Direct cooling system.



The compressor start delay and stopping interval protection function can ensure reliability operation.



The door is equipped with a lock, preventing it from opening accidentally.



The well-developed audible & visual alarm functions: High/Low Temperature, Sensor Error, Low Battery, Door Ajar, Power Failure, Remote Alarm, High ambient temperature, & USB datalog failure.



Battery back-up for display and alarms system during power failure.



DW-FL450G with 2 cooling system for separate chamber temperature control.



CFC free, HCFC free, Eco-Friendly Refrigerant.



Drawers for easy storage.



Caster wheels with brakes or leveling foot.



Hot gas pipe surrounding to prevent from condensation.

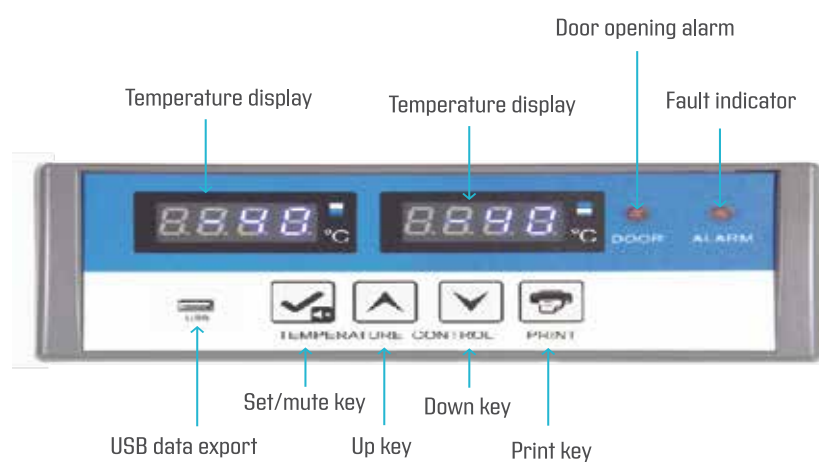


USB Data logger for temperature recording.



Keyboard lock prevent from operating parameters without permission.





DW-YL450H, DW-FL450G

Technical Specifications:

Model	DW-FL90G	DW-FL270G	DW-FL450G	DW-FL528G
Capacity (L)	90	270	450	528
Temperature Range (°C)	-20~-40	-20~-40	-20~-40	-20~-40
Internal size (W*D*H) mm	500*485*532	500*460*1235	Up/Down: 650*570*627	585*696*1266
External size (W*D*H) mm	700*669*854	700*640*1792	810*735*1960	930*1041*1947
Net Weight (KG)	54	90	144	234
Gross Weight (KG)	60	102	172	305
Exterior Material	PCM Pre-coated Plate	PCM Pre-coated Plate	PCM Pre-coated Plate	Spray cold rolled steel plate
Interior Material	Spray Aluminum Plate	Spray Aluminum Plate	Spray Aluminum Plate	Stainless Steel
Refrigerant	R290	R290	R290	R290

COMBINED REFRIGERATORS AND FREEZERS

Blue Star's range of combined refrigerators and freezers come with two compressors and have independent control of the upper refrigeration chamber (2°C~8°C) and the lower freezing chamber (-25°C in EL series and -40°C in FL series).



High-precision microcomputer temperature control system.



Each cabinet can be controlled with independent refrigeration system.



Battery back-up for display and alarms system during power failure.



Shelves (refrigerator) and drawers (freezer) for storage.



Door gasket surrounded with hot gas pipe for better defrosting.



Direct (freezer)/Forced (refrigerator) cooling system.



The well-developed audible & visual alarm functions: High/Low Temperature, Sensor Error, Low Battery, Door Ajar, Power Failure, & Remote Alarm.



CFC free, HCFC free, Eco-Friendly Refrigerant.



USB Data logger for temperature recording.

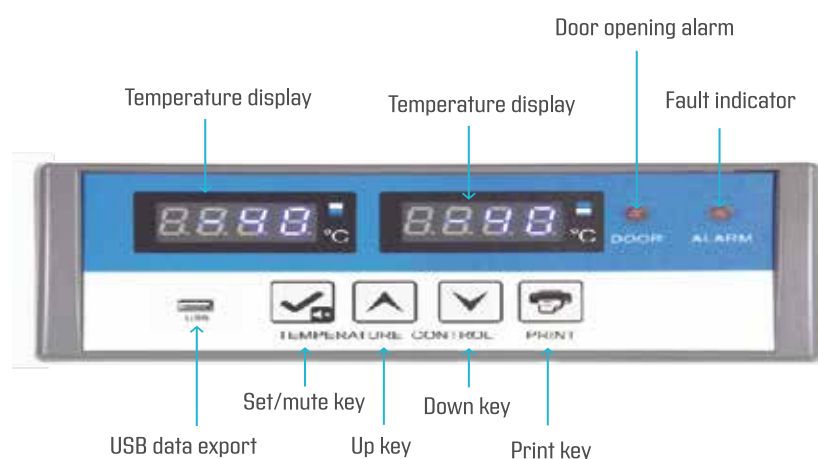


Keyboard lock prevent from operating parameters without permission.





YCD-EL450



Technical Specifications:

Model	YCD-EL300	YCD-EL450
Capacity (L)	300	450
Temperature Range (°C)	R: 2-8 / F: -10~-26	R: 2-8 / F: -10~-26
Internal size (W*D*H) mm	R: 600*510*657 / F: 500*460*535	R: 650*570*627 / F: 650*570*627
External size (W*D*H) mm	700*640*1876	810*735*1960
Net Weight (KG)	87	144
Gross Weight (KG)	102	156
Exterior Material	PCM Pre-coated Plate	PCM Pre-coated Plate
Interior Material	Spray Aluminum Plate	Spray Aluminum Plate
Refrigerant	R: R600a / F: R600a	R: R600a / F: R600a

R – Refrigerator, F – Freezer

-86°C ULTRA LOW TEMPERATURE FREEZERS

Blue Star's ultra-low temperature freezers ensure fast cooling with low noise operation. The highly efficient thermal insulation retains the temperature for longer hours and hence reduces power consumption. These freezers are suitable for viruses, pathogens, blood cells, skin banks, stem cells and other biological samples in scientific & medical applications and low temperature experiments.



Microprocessor controller for precision temperature.



7" LED touch screen for user friendly interface (Digital controller in DW-HL100 and DW-HL218).



Direct cooling system.



High performance Vacuum Insulation Panel (VIP) for temperature retention.



The well-developed audible & visual alarm functions: High/Low Temperature, Sensor Error, Low Battery, Door Ajar, Power Failure, Remote Alarm, High ambient temperature, USB datalog failure, Condenser overheating & Main board communication error.



Battery back-up for display and alarms system during power failure.



Assisting handle and vacuum release port.



CFC free, HCFC free, Eco-Friendly Refrigerant.



Caster wheels with brakes or leveling foot.



USB Data logger for temperature recording.



Hot gas pipe surrounding to prevent from condensation.



Controller have password protection which can prevent any adjustment of operation without permission.



Optional- Bluetooth printer/Swipe card /Fingerprint/Facial recognition/21CFR (Not in DW-HL100 and DW-HL218).



DW-HL100

DW-HL218

SALIENT FEATURES OF -86°C ULTRA LOW TEMPERATURE FREEZERS

SMART FUNCTIONS

Optional Bluetooth Printer
Drive your printer via built-in bluetooth mode



RS485 Port
Through RS485, freezer can connect with CMS for data communication



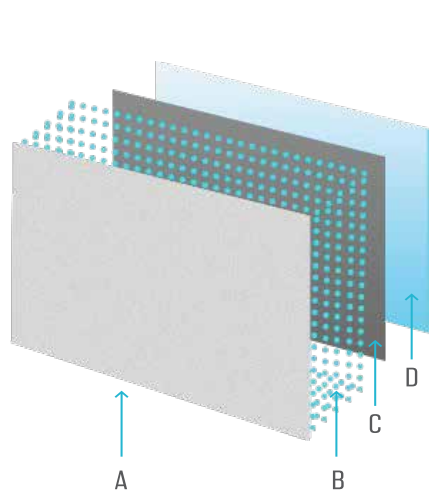
Multiple User Account Login
Access IDs to help different user's have their individual accounts



Remote Alarm
Alarm self-recovery function



INSULATION SYSTEM



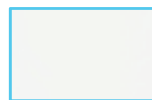
A: Stainless steel sheet



B: 130mm Insulation thickness



C: 6 sides VIP vacuum insulation material



D: High-quality steel plates with spraying

HUMAN-ORIENTED



Ergonomic handle design, easy to open



Buckle type ventilation cover, easy to open the cover, take out the filter



Equipped with universal casters + adjustable feet for easy movement and fixation



High-quality door sealing strip sealing insulation design



Electromagnetic pressure relief valve, quick door opening



Access Port for CO2/ LN2 back-up or external temperature monitoring



Press button insulation foam inner door



USB Data Export

-86°C ULTRA LOW TEMPERATURE CHEST FREEZERS

Blue Star's ultra-low temperature chest freezers ensure fast cooling with low noise operation. The highly efficient thermal insulation retains the temperature for longer hours and hence reduces power consumption. These freezers are suitable for hospitals, research institutes, blood banks, laboratories and biological engineering in life sciences, medical applications and low temperature experiments.



Microprocessor controller for precision temperature.



Direct cooling system.



High performance Vacuum Insulation Panel (VIP).



Platinum resistor based temperature sensors.



The well-developed audible & visual alarm functions: High/Low Temperature, Sensor Error, Low Battery, Power Failure, Remote Alarm, High ambient temperature, USB datalog failure, Condenser overheating & Main board communication error.



Assisting door handle.



Foamed out door and inner EVA lid.



CFC free, HCFC free,
Eco-Friendly Refrigerant.



USB Data logger for temperature recording.



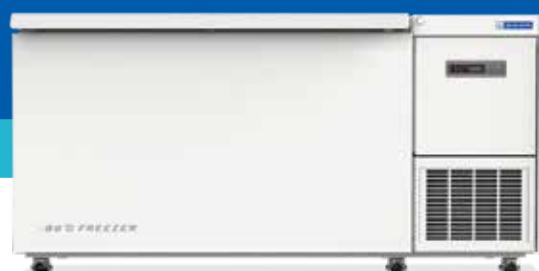
Controller have password protection which can prevent any adjustment of operation without permission.



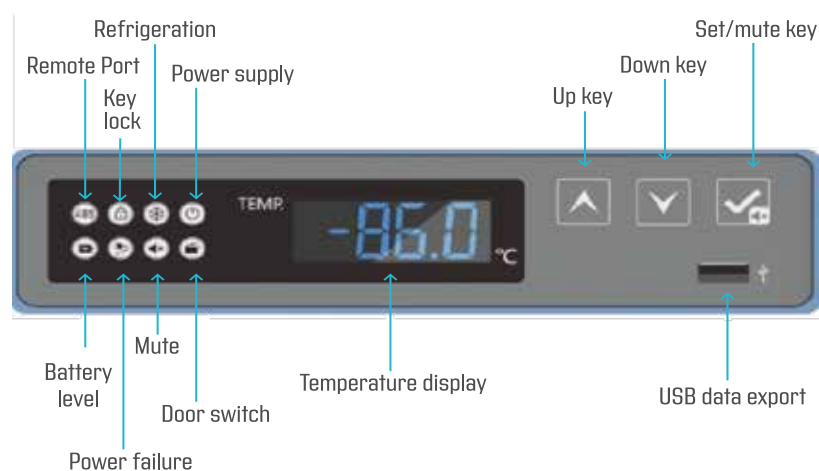
DW-HW138



DW-HW328



DW-HW668



DW-HL100 , DW-HL218, DW-HW138, DW-HW328, DW-HW668

Technical Specifications:

Model	DW-HW138	DW-HW328	DW-HW668
Capacity (L)	138	328	668
Temperature Range (°C)	-40~-86	-40~-86	-40~-86
Internal size (W*D*H) mm	490*470*580	1200*470*570	1200*815*610
External size (W*D*H) mm	1320*890*1030	2030*890*1020	2033*1190*1037
Net Weight (KG)	200	280	352
Gross Weight (KG)	262	390	509
Exterior Material	High-quality sprayed steel plate	High-quality sprayed steel plate	High-quality sprayed steel plate
Interior Material	Stainless steel	Stainless steel	Stainless steel
Refrigerant	Mixture gas	Mixture gas	Mixture gas

ICE LINED REFRIGERATORS

When it comes to storing the precious vaccines, there's no room for compromise. Blue Star's Ice Lined Refrigerators with PUF insulation 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.



Holdover time upto 20 hours.



Microprocessor controller for precision temperature.



High density PUF insulation (110mm) to ensure long holdover time.



Audio and visual safety alarms for High/Low temperature, Sensor failure, Low battery, Power failure.



Equipped with efficient compressor characterised by fast refrigeration and low noise.



Built in door handle and universal caster wheels.



Battery backup for digital temperature display.

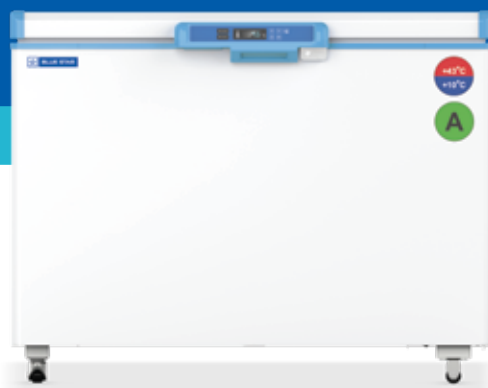


Eco-friendly refrigerant.





YC-150EW



YC-275EW

Technical Specifications:

Model	YC-150EW	YC-275EW
Cabinet Type	Chest	Chest
Capacity (L)	150	275
Temperature Range (°C)	2~8	2~8
Ambient Temperature (°C)	10~43	10~43
Internal size (W*D*H) mm	585*465*651	1019*465*651
External size (W*D*H) mm	811*775*929	1245*775*929
Net Weight (KG)	64	87
Gross Weight (KG)	66	94
Exterior Material	Sprayed steel plate	Sprayed steel plate
Interior Material	Stainless steel	Stainless steel
Refrigerant	R290	R290



For more information, please contact **BLUE STAR LIMITED SALES AND SERVICE OFFICES**

- **Ahmedabad:** 301-302, Abhishree Avenue, Near Nehru Nagar Circle, S M Road, Ambawadi, Ahmedabad – 380 015, India. Phone: (+91) (79) 4022 4000.
- **Bengaluru:** Anjuman Kay Arr Tower; No 28, Ward No 77, Mission Road, Bengaluru – 560 027. Phone: (+91) (80) 4185 4000. Fax: (+91) (80) 4185 4001.
- **Bhubaneswar:** 3A, Satya Nagar, 2nd Floor, Bhubaneswar – 751 007. Phone: (+91) (674) 2572403/2573670/2570024. Fax: (+91) (674) 257 0544.
- **Chandigarh:** Sanjeev Tower; 6th Floor, Plot No 55, Industrial Area Phase 1, Chandigarh – 160002. Phone: (+91) (172) 415 5100.
- **Chennai:** KRM Plaza, No 2, Harrington Road, Chetpet, Chennai – 600 031. Phone: (+91) (44) 4244 4000. Fax: (+91) (44) 2836 2101.
- **Coimbatore:** Krisan Workspaces, Mayflower Valencia, 4th Floor, Nava India Rd, Coimbatore, 641004. Phone: (+91) (0422) 4377125.
- **Goa:** 210, 2nd Floor, Gera's Imperium I, Palto, Panjim, Goa – 403 001. Phone: (+91) (832) 2438171/2437287.
- **Gurugram:** 6th Floor, Vatika Atrium, Golf Course Road, Sector 53, Gurugram – 122 002 (Haryana). Phone: (+91) (124) 409 4000. Fax: (+91) (124) 409 4004.
- **Guwahati:** Oasis Plaza, 1st Floor, Dr. B. Barooah Road, Ulubari, Kamrup, Guwahati – 781 007. Assam (Opposite Hotel Land Mark). Phone: (+91) (361) 246 8496.
- **Hyderabad:** Ashoka Raghupati Chambers, No 1-10-60 to 64, 4th Floor, S P Road, Begumpet, Hyderabad, Telangana 500 016, India. Phone: (+91) (40) 4400 4000. Fax: (+91) (40) 4400 4001.
- **Indore:** Office No 502, Maloo-0126/C, Scheme No 94/C Ring Road, Indore – 452 010. Phone: (+91) (731) 4001211/4001311.
- **Jaipur:** A-19, First Floor, Main Sahakar Path, Near Sahakar Bhavan, Jaipur. Phone: (+91) (141) 331 3000. Fax: (+91) (141) 512 4899.
- **Kochi:** Prestige TMS Square, 9th Floor, No. 2, Service Road, Padivattom, Edappally, Kochi, Kerala – 682 024. Phone: (+91) (484) 449 9000. Fax: (+91) (484) 449 9190.
- **Kolkata:** Eco Centre Business Tower, 11th Floor, Unit No: 1 & 2, Plot No 4, EM Block, Sector V, Salt Lake, Bidhannagar, Kolkata – 700 091. Phone: (+91) (33) 4081 5400.
- **Lucknow:** 177/4, Faizabad Road, Near IT Metro Station, Lucknow – 226 007. Phone: (+91) (522) 403 4000. Fax: (+91) (522) 403 4004.
- **Ludhiana:** Goshawk Rental Space Solutions Pvt Ltd, BXX-3369, Sandhu Tower 2, 2nd Floor, Gurdev Nagar, Ferozepur Road, Ludhiana – 141001. Phone: (+91) (161) 506 4000.
- **Mumbai:** Blue Star House, 9A, Ghatkopar, Link Road, Sakinaka, Mumbai – 400 072. Phone: (+91) (22) 6668 4000. Fax: (+91) (22) 6668 4004.
- **Nagpur:** 219 Bajaj Nagar, 1st Floor, South Ambazari Road, Nagpur – 440 010. Phone: (+91) (712) 662 4000. Fax: (+91) (712) 662 4002.
- **New Delhi:** Elegance Tower, 1st Floor, Jasola District Centre, New Delhi – 110 025. Phone: (+91) (11) 4149 4000. Fax: (+91) (11) 4149 4004/5.
- **Patna:** The Hub, 2nd floor, Near Regent cinema, Gandhi Maidan Road, Patna – 800004.
- **Raipur:** MM Silver Plaza, Office No. 103, 1st Floor, Opp Udyog Bhavan, Ring Road No. 1, Raipur – 492 001. Phone: (+91) (771) 428 0900.
- **Thane:** Blue Star Limited, Blue Star Innovation Centre, Next to Hotel Vihangs Inn, Kapurbavdi, Ghodbunder Road, Thane West – 400 607. Phone: (+91) (22) 3508 4000.
- **Thiruvananthapuram:** TC IV/962, Chandrika, Sree Chitra Nagar, Pipe line Road, Kawdiar, Thiruvananthapuram – 695 003. Phone: (+91) (471) 243 5025. Fax: (+91) (471) 243 4065.
- **Vadodara:** INCUSPAZE Office Spaces, 3rd Floor Alembic 1965, Alembic City, Gorwa-Alembic Road, Vadodara – 390003. Phone: (+91) (265) 661 4000 / 265 233 2021/22. Fax: (+91) 265 233 7516.
- **Vijayawada:** No 40-1-62, Nagas Hafeez Plaza, Opposite to grand modern supermarket, Near BENZ Circle, MG. Road, Vijayawada – 520 010. Phone: (+91) (866) 248 4004. Fax: (+91) (866) 248 4003.
- **Visakhapatnam:** Qubexpro Business Centre, V Mall, Lifestyle Building, 4th Floor, Facor Layout, Waltair Uplands, Visakhapatnam – 530003. Phone: (+91) (0891) 6686705.

RPD / Mar-23 / 3K



SCAN QR CODE -
BLUE STAR
CUSTOMER CARE
MOBILE APP



FOR SERVICE,
SMS "SERVICE"
TO 57575

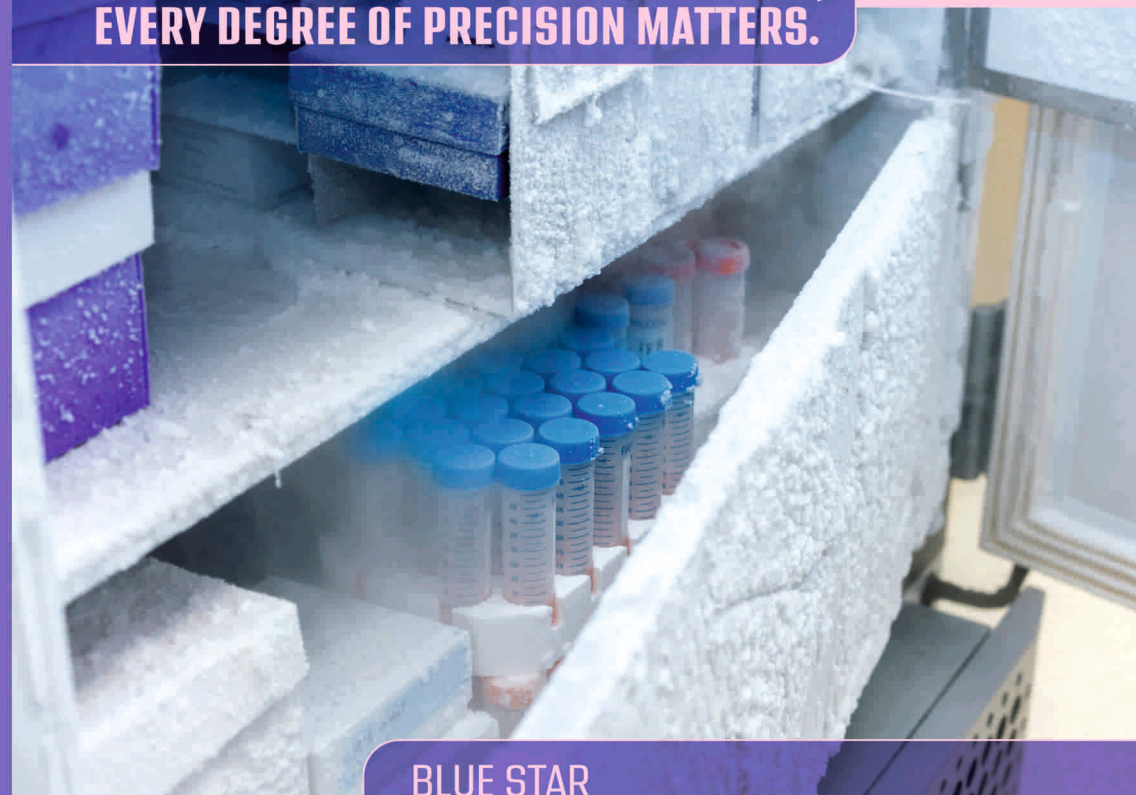


24X7 CUSTOMER CARE
(Toll Free) 1800 209 1177
1860 266 6666



To know more about Blue Star, visit
www.bluestarindia.com, email us at
coolingsolutions@bluestarindia.com
or SMS 'COOL' to 57575

**WHEN IT'S A QUESTION OF SAFETY,
EVERY DEGREE OF PRECISION MATTERS.**



BLUE STAR
-86°C Ultra Low Temperature Freezers



For more information, please contact **BLUE STAR LIMITED** • **Ahmedabad:** 301-302, Abhishek Avenue, Near Nehru Nagar Circle, S M Road, Ambawadi, Ahmedabad - 380 015, India. Phone: (+91) (79) 4022 4000. • **Bengaluru:** Anjuman Kay Arr Tower, No 28, Ward No 77, Mission Road, Bengaluru - 560 027. Phone: (+91) (80) 4185 4000. Fax: (+91) (80) 4185 4001. • **Bhubaneswar:** 3A, Satya Nagar, 2nd Floor, Bhubaneswar - 751 007. Phone: (+91) (674) 2572403/2573670/2570024. Fax: (+91) (674) 257 0544. • **Chandigarh:** Adarsh Mall, 4th Floor, Plot No 50, Industrial & Business Park, Phase - II, Chandigarh - 160 002. Phone: (+91) (172) 502 4000. Fax: (+91) (172) 500 4007. • **Chennai:** KRM Plaza, No 2, Harrington Road, Chetpet, Chennai - 600 031. Phone: (+91) (44) 4244 4000. Fax: (+91) (44) 2836 2101. • **Goa:** 210, 2nd Floor, Gera's Imperium I, Patto, Panjim, Goa - 403 001. Phone: (+91) (832) 2438171/2437287. • **Gurugram:** 8th Floor, Vatika Atrium, Golf Course Road, Sector 53, Gurugram - 122 002 (Haryana). Phone: (+91) (124) 409 4000. Fax: (+91) (124) 409 4004. • **Guwahati:** Oasis Plaza, 1st Floor, Dr. B. Barooah Road, Ulubari, Kamrup, Guwahati - 781 007. Assam (Opposite Hotel Land Mark). Phone: (+91) (361) 248 8498. • **Hyderabad:** Ashoka Raghupati Chambers, No 1-10-60 to 64, 4th Floor, S P Road, Begumpet, Hyderabad, Telangana 500 016, India. Phone: (+91) (40) 4400 4000. Fax: (+91) (40) 4400 4001. • **Indore:** Office No 502, Maloo-01 26/C, Scheme No 94/C Ring Road, Indore - 452 010. Phone: (+91) (731) 4001211/4001311. • **Jaipur:** A-18, First Floor, Main Sahakar Path, Near Sahakar Bhavan, Jaipur Phone: (+91) (141) 331 3000. Fax: (+91) (141) 512 4899. • **Kochi:** Prestige TMS Square, 9th Floor, No. 2, Service Road, Padivattom, Edappally, Kochi, Kerala - 682024. Phone: (+91) (484) 449 9000. Fax: (+91) (484) 449 9190. • **Kolkata:** Eco Centre Business Tower, 11th Floor, Unit No: 1 B 2, Plot No 4, EM Block, Sector V, Salt Lake, Bidhannagar, Kolkata - 700 091. Phone: (+91) (33) 4081 5400. • **Lucknow:** 177/4, Faizabad Road, Near IT Metro Station, Lucknow - 226 007. Phone: (+91) (522) 403 4000. Fax: (+91) (522) 403 4004. • **Ludhiana:** 5th Floor, Sandhu Tower - II Gurudev Nagar, Ferozpur Road, Ludhiana - 141 001 (Punjab). Phone: (+91) (181) 506 4000. • **Mumbai:** Blue Star House, 3A, Ghatkopar, Link Road, Sakinaka, Mumbai - 400 072. Phone: (+91) (22) 6868 4000. Fax: (+91) (22) 6868 4004. • **Nagpur:** 219 Bajaj Nagar, 1st Floor, South Ambazari Road, Nagpur - 440 010. Phone: (+91) (712) 662 4000. Fax: (+91) (712) 662 4002. • **New Delhi:** Elegance Tower, 1st Floor, Jasola District Centre, New Delhi - 110 025. Phone: (+91) (11) 4149 4000. Fax: (+91) (11) 4149 4004/5. • **Patna:** The Hub, 2nd Floor, Near Regent Cinema, Gandhi Maidan Road, Patna - 800004. • **Pune:** 201/A, Nityanand Complex, 247/A Bund Garden Road, Pune - 411 001. Phone: (+91) (20) 4104 4000/2616 7230. Fax: (+91) (20) 4104 4001/2616 1342. **Raipur:** MM Silver Plaza, Office No. 103, 1st Floor, Opp Udyog Bhavan, Ring Road No. 1, Raipur - 492 001. Phone: (+91) (771) 428 0900. • **Thiruvananthapuram:** TC IV/862, Chandrika, Sree Chitra Nagar, Pipe Line Road, Kowdiar, Thiruvananthapuram - 695 003. Phone: (+91) (471) 243 5025. Fax: (+91) (471) 243 4085. • **Vadodra:** INCUSPAZE Office Spaces, 3rd Floor Alembic 1965, Alembic City, Gorwa-Alembic Road, Vadodra - 390 003. Phone: (+91) (265) 661 4000/265 233 2021/22. Fax: (+91) 265 233 7516. • **Vijayawada:** No 40-1-62, Nagas Hafeez Plaza, Opposite to Grand Modern Supermarket, Near BENZ Circle, MG. Road, Vijayawada - 520 010. Phone: (+91) (866) 248 4004. Fax: (+91) (866) 248 4003. • **Visakhapatnam:** Qubexpro Business Centre, V Mall, Lifestyle Building, 4th Floor, Facor Layout, Waltair Uplands, Visakhapatnam - 530003. Phone: (+91) (0891) 6696705



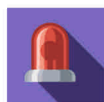
-86°C Ultra low Temperature Freezers

Blue Star's ultra low temperature freezers ensure fast cooling with low noise operation. Their highly efficient thermal insulation retains the set temperature for longer hours and hence reduces power consumption. These freezers are suitable for viruses, pathogens, blood cells, skin banks, stem cells and other biological sample in scientific & medical applications and low temperature experiments.



CONTROL SYSTEM

- Digital microprocessor-based
- Android control touch screen (digital controller in 100 & 218 ltr)
- Platinum resistor sensors
- Door with hot gas pipe surrounding for defrost
- Large display for better view
- Battery-powered
- Controller have password protection



SAFETY ALARM SYSTEM

- High/Low temperature
- High ambient temperature
- Sensor error
- Door ajar
- Low battery
- Power failure
- Remote alarm
- USB datalog failure
- Condenser overheating
- Main board communication error



REFRIGERATION SYSTEM

- High-efficiency compressor and EBM fan
- Manual defrost
- Direct cooling system
- Insulated foamed door with seal
- CFC-free refrigerant
- High-efficiency air-cooled condenser
- Coil evaporator



STRUCTURE DESIGN

- External high quality structure
- Vacuum release port (Not in 100L)
- Built-in USB datalogger
- High-performance Vacuum Insulation Panel (VIP)
- Low noise design
- Standard access port



Technical Specifications:

Model	DW-HL100	DW-HL218	DW-HL398SAG	DW-HL528SAG	DW-HL678SAG	DW-HL778SAG	DW-HL1008SAG
Performance & Control							
Capacity (L)	100L	218L	398L	528L	678L	778L	1008L
Temperature set (°C)	-40 ~ -86°C	-40 ~ -86°C	-40 ~ -86°C	-40 ~ -86°C	-40 ~ -86°C	-40 ~ -86°C	-40 ~ -86°C
Temperature control	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Temperature display	Digital	Digital	Touch screen	Touch screen	Touch screen	Touch screen	Touch screen
Temperature increment	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Nos. of Compressor	1	1	2	2	2	2	2
Dimensions							
Internal size (W*D*H) mm	450*450*514	470*580*767	440*696*1266	585*696*1266	750*696*1286	865*696*1286	1022*696*1378
External size (W*D*H) mm	1066*742*820	840*985*1568	785*1041*1947	930*1041*1947	1090*1025*1955	1205*1025*1955	1362*1025*2002
Packing Dimensions (W*D*H) mm	1165*810*970	940*1026*1630	890*1165*2158	1035*1165*2158	1203*1165*2171	1320*1165*2171	1473*1165*2176
NW (KG)	145	218	237	286	330	365	430
GW (KG)	227	235	319	357	435	455	550
Materials							
Exterior Material	Spray cold rolled steel plate	Spray cold rolled steel plate	High-quality sprayed steel plates	High-quality sprayed steel plates	High-quality sprayed steel plates	High-quality sprayed steel plates	High-quality sprayed steel plates
Interior Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Shelve Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Shelve height adjustable	YES	YES	YES	YES	YES	YES	YES
Nos. of Shelve	1	1	3	3	3	3	3
Shelve size (mm)	440*444	457*555	429*659	572*659	732*659	847*659	1009*659
Accessories							
Door lock	✓	✓	✓	✓	✓	✓	✓
Padlock	✓	✓	✓	✓	✓	✓	✓
Caster Quantity	4	4	4	4	4	4	4
Brake Quantity	x	x	x	x	x	x	x
Foot Quantity	x	x	2	2	2	2	2
Test hole nos./diameter	1/25mm	1/40mm	2/25mm	2/25mm	3/25mm	3/25mm	3/25mm
USB Interface	✓	✓	✓	✓	✓	✓	✓
RS485	✓	✓	✓	✓	✓	✓	✓
Remote Alarm	✓	✓	✓	✓	✓	✓	✓
Printer	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Chart Recorder	x	Optional	Optional	Optional	Optional	Optional	Optional
Bluetooth printer	x	x	Optional	Optional	Optional	Optional	Optional
Swipe card	x	x	Optional	Optional	Optional	Optional	Optional
Fingerprint	x	x	Optional	Optional	Optional	Optional	Optional
Facial recognition	x	x	Optional	Optional	Optional	Optional	Optional
21CFR	x	x	Optional	Optional	Optional	Optional	Optional