

-150°C Cryogenic Freezer

*Extremely low temperature makes the company
atop all others in the same industry*



DW-UW258



Targeted Refrigeration

Unique, high-efficient and recycling cooling system, a winner of the top second-class national prize in technological invention.



Extremely low temperature

With DW-UW258, the company becomes the superior leader in the same industry that can produce the lowest temperature to -150°C and can mass produce the products.



Three-dimensional Thermal Insulation

The VIP vacuum thermal insulation plate can lock cool air inside the cabinet and guarantee thermal insulation effect.



Refrigeration System

The single-pole lubrication compressor refrigeration technology has improved refrigeration capacity; International famous brand compressor, enabling fast refrigeration.



Dual-core targeted refrigeration

- Double-core targeted refrigeration, rapid refrigeration, energy saving and environmental protection;
- Second prize of national science and technology invention;
- Temperature set point can be adjusted from -110 °C to -1 °C through the precise controller.



Refrigeration System

- Environmental protective refrigerant invented by Chinese academy of sciences(CAS);
- Unique refrigeration circuit design with china patent;
- Refrigeration technology of single-stage oil slide compressor, powerful cooling ability;
- Famous international compressor, efficiency cooling with eco-refrigerant;
- Imported famous brand fan motor with premium quality.



Optional Cryo Accessories

- Optional single type upright racks;
- Optional alarm lamp, voltage compensation, remote alarm and liquid N2 backup system.



Security System

- The well-developed security system with multiple audible & visual alarm functions: high/ low temperature alarm, power failure alarm, sensor failure alarm, low battery alarm, condenser heat dissipation alarm, system failure alarm .To ensure the sample safety storage ;
- The turn-on delay and stopping interval protection can ensure reliable compressor operation;
- The keyboard lock and password protection can prevent any adjustment of operating parameters without permission.



Thermal Insulation System

- Unique two times foaming technology, super thick VIP insulation which greatly improves the insulation effect;
- VIP vacuum insulation board, tightly locks the cold air to ensure the great insulation effect.



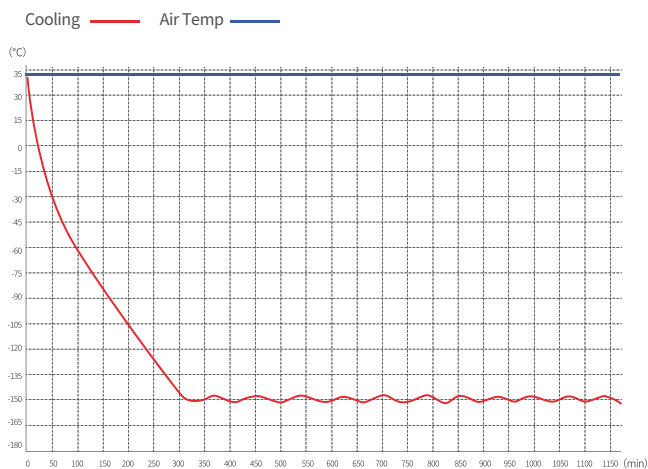
Human-oriented

- Horizontal type with lid to be opened from the top, assisting balanced hinges to open it easily;
- Casters can be fixed for easy movement and fixation;
- Standard with printer to record the temperature data every 20 minutes. Optional with chart recorder, alarm lamp, voltage compensation, remote communication centralized monitoring system.

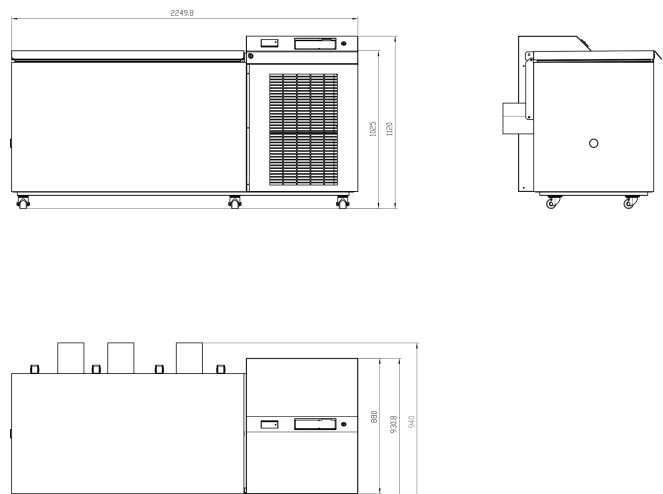
✓ Scope of Application

Application to scientific research, low temperature test of special materials, freeze red blood cell, white blood cell, skins, DNA/RNA, bones, bacteria, sperm and biological products etc. Suitable for use in blood bank station, hospitals, sanitation and anti-epidemic stations, biological engineering, laboratories in colleges & universities, military enterprises and so on.

🔗 Performance Data / Cooling Curve



📏 External Dimensions



Specification Chart

| - 152°C Cryogenic Freezer | |
|--------------------------------------|---|
| Model | DW-UW258 |
| Cabinet Type | Chest |
| Capacity(L) | 258 |
| Internal Size(W*D*H)mm | 1140*552*410 |
| External Size(W*D*H)mm | 2250*940*1120 |
| Package Size(W*D*H)mm | 2325*1005*1299 |
| NW/GW(Kgs) | 460/540 |
| Performance | |
| Temperature Range | -110~-150°C |
| Ambient Temperature | 16-32°C |
| Cooling Performance | -145°C |
| Climate Class | N |
| Controller | Microprocessor |
| Display | Digital display |
| Refrigeration | |
| Compressor | 1pc |
| Cooling Method | Direct cooling |
| Defrost Mode | Manual |
| Refrigerant | Mixture gas |
| Insulation Thickness(mm) | 185 |
| Construction | |
| External Material | High quality steel plates with spraying |
| Inner Material | 304Stainless steel |
| Foaming Lid | 3 |
| Backup Battery | Yes |
| Access Port | 1pcs. Ø 40 mm |
| Casters | 6 |
| Data Logging/Interval/Recording Time | Printer/Record every 20 minutes / 7 days |
| Alarm | |
| Temperature | High/Low temperature, High ambient temperature |
| Electrical | Power failure , Low battery |
| System | Sensor error, System failure, main board communication failure, Condenser overheating |
| Electrical | |
| Power Supply(V/HZ) | 380/50 |
| Rated Power(W) | 12116 |
| Input Power(W) | 8200 |
| Power Consumption(KWh/24h) | 93.2 |
| Rated Current(A) | 21.3 |
| Options Accessory | |
| System | Chart recorder, CO2 backup system |

*The model, parameters and performance specified in this brochure may be changed without prior notice because of product upgrading.

*There may be differences between the product images shown in this brochure and the actual products. When you are buying any product, please check the actual product.