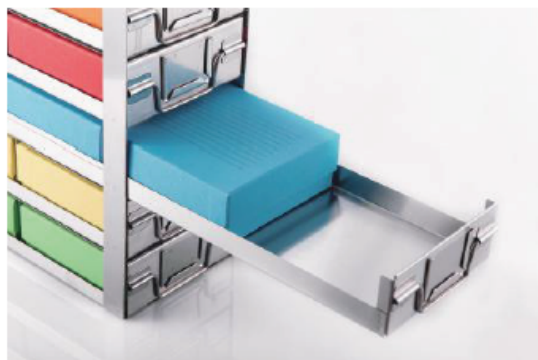


-86°C Ultra Low Temperature Freezer

- Precision-control Temperature, Targeted Refrigeration
- Outstanding VIP PLUS Insulation Design
- Extensive Alarm Systems
- Superior Temperature Uniformity and Quick Recovery
- The Largest Storage Capacity Freezer in the World



Vertical Freezer Rack | Sliding-drawer Freezer Rack (Including handle size)



- Made of 304 stainless steel;
- Steel plate thickness: Combination of 0.5mm and 1.0 mm;
- Sliding-drawer design for convenient operations;
- Low temperature rated plastic handles are standard on draw racks for ease and safety of operation;
- Labeling slots are standard on draws;
- The outward pouch design protects the slot from potential damage caused by low temperature;
- The front side is printed with Zhongke Meling's seal;
- Providing personalized customization.

| Model | Layer | Column | Size (W*D*H) |
|----------------|-------|--------|--------------|
| ZKL304-332B-CT | 3 | 3 | 140*413*180 |
| ZKL304-432B-CT | 4 | 3 | 140*413*235 |
| ZKL304-442B-CT | 4 | 4 | 140*549*235 |
| ZKL304-452B-CT | 4 | 5 | 140*685*235 |
| ZKL304-532B-CT | 5 | 3 | 140*413*293 |
| ZKL304-542B-CT | 5 | 4 | 140*549*293 |
| ZKL304-552B-CT | 5 | 5 | 140*685*293 |
| ZKL304-632B-CT | 6 | 3 | 140*413*351 |
| ZKL304-642B-CT | 6 | 4 | 140*549*351 |
| ZKL304-652B-CT | 6 | 5 | 140*685*351 |
| ZKL304-742B-CT | 7 | 4 | 140*549*409 |

-86°C Vertical ULT Freezer Rack Matching Solution

We will recommend the perfect frozen layer rack matching scheme to improve freezer space utilization and satisfy storage requirements of biobanks.



Drawer Type:5 Layers and 4 Columns
(ZKL304-542B-CT)



Drawer Type:5 Layers and 3 Columns
(ZKL304-532B-CT)

| Model | Freezer Rack Model | Rack Description | Freezer Rack Quantity | Freezer Box Quantity | Cryo Tube Quantity (2ml) |
|--------------|--------------------|---|-----------------------|----------------------|--------------------------|
| DW-HL50HC | ZKL304-632B-CT | 2 inches stainless steel sliding -drawer freezer rack 6*3 (2 inch freezer box*18) | 2 | 36 | 3600 |
| DW-HL100HC | ZKL304-432B-CT | 2 inches stainless steel sliding -drawer freezer rack 4*3 (2 inch freezer box*12) | 3 | 63 | 6300 |
| | ZKL304-332B-CT | 2 inches stainless steel sliding -drawer freezer rack 3*3 (2 inch freezer box*9) | 3 | | |
| DW-HL218HC | ZKL304-542B-CT | 2 inches stainless steel sliding -drawer freezer rack 5*4 (2 inch freezer box*20) | 3 | 132 | 13200 |
| | ZKL304-642B-CT | 2 inches stainless steel sliding -drawer freezer rack 6*4 (2 inch freezer box*24) | 3 | | |
| DW-HL340 | ZKL304-542B-CT | 2 inches stainless steel sliding -drawer freezer rack 5*4 (2 inch freezer box*20) | 9 | 216 | 21600 |
| | ZKL304-432B-CT | 2 inches stainless steel sliding -drawer freezer rack 4*3 (2 inch freezer box*12) | 3 | | |
| DW-HL398/SA | ZKL304-552B-CT | 2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25) | 12 | 300 | 30000 |
| DW-HL528/SA | ZKL304-552B-CT | 2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25) | 16 | 400 | 40000 |
| DW-HL678/SA | ZKL304-552B-CT | 2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25) | 20 | 500 | 50000 |
| DW-HL778/SA | ZKL304-552B-CT | 2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25) | 24 | 600 | 60000 |
| DW-HL858/SA | ZKL304-552B-CT | 2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25) | 12 | 660 | 66000 |
| | ZKL304-652B-CT | 2 inches stainless steel sliding -drawer freezer rack 6*5 (2 inch freezer box*30) | 12 | | |
| DW-HL1008/SA | ZKL304-552B-CT | 2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25) | 14 | 770 | 77000 |
| | ZKL304-652B-CT | 2 inches stainless steel sliding -drawer freezer rack 6*5 (2 inch freezer box*30) | 14 | | |

*The "Cryo Tube Quantity (2ml) " of DW-HL858/SA, DW-HL1008/SA in this chart is the maximum storage .

-40°C Vertical And Chest ULT Freezer Rack Matching Solution



| Model | Freezer Rack Model | Rack Description | Freezer Rack Quantity | Freezer Box Quantity | Cryo Tube Quantity (2ml) |
|----------|--------------------|--|-----------------------|----------------------|--------------------------|
| DW-FL528 | ZKL304-542B-CT | 2 inches stainless steel sliding drawer freezer rack (2 inch freezer box*20) | 16 | 320 | 32000 |
| DW-FW150 | ZKW304-10-2 | 2 inches stainless steel chest freezer rack (2 inch freezer box*10) | 12 | 120 | 12000 |
| DW-FW270 | ZKW304-10-2 | 2 inches stainless steel chest freezer rack (2 inch freezer box*10) | 21 | 210 | 21000 |
| DW-FW360 | ZKW304-10-2 | 2 inches stainless steel chest freezer rack (2 inch freezer box*10) | 27 | 270 | 27000 |

*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 buy these equipments, please confirm with the factory at first.

*The verification date of product parameters is 2023.02.17.

-164°C / -150°C Chest Cryogenic Freezer Rack Matching Solution

- 150°C/-164°C Cryogenic freezer stainless steel chest frozen layer rack, high strength PC frozen layer box, can withstand the temperature of -196°C~121°C;
- The new appearance design, the gap and line design of the box body is conducive to the rapid cooling of samples and the rapid discharge of liquid, the transparent box cover design and the clear digital mark on the box body is easy to observe and find samples.



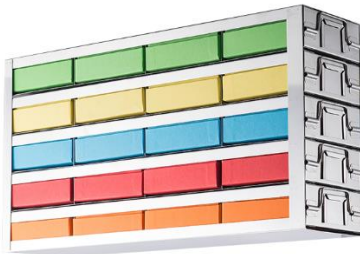
| Model | Freezer Rack Model | Rack Description | Freezer Rack Quantity | Freezer Box Quantity | Cryo Tube Quantity (2ml) |
|----------|--------------------|--|-----------------------|----------------------|--------------------------|
| DW-ZW128 | ZKW304-9-2 | 2 inches stainless steel chest freezer rack (2 inch freezer box*9) | 9 | 81 | 8100 |
| DW-UW128 | ZKW304-9-2 | 2 inches stainless steel chest freezer rack (2 inch freezer box*9) | 9 | 81 | 8100 |
| DW-UW258 | ZKW304-9-2 | 2 inches stainless steel chest freezer rack (2 inch freezer box*9) | 16 | 144 | 14400 |

Chest Freezer Rack (Including handle size)



- Corrosion resistant stainless steel made of ultra-thick steel plates;
- Suitable for 2-inches and 1-inch freezer boxes and international standardized freezers;
- Chest freezer rack is simple in structure and easy to use and suitable for liquid nitrogen tank sample storage.

| Model Material: SUS304 | Layer | Size (W*D*H) |
|---------------------------|-------|-----------------|
| ZKW304-6-2 | 6 | 140*143*347 |
| ZKW304-7-2 | 7 | 140*143*404 |
| ZKW304-8-2 | 8 | 140*143*461 |
| ZKW304-9-2 | 9 | 140*143*518 |
| ZKW304-10-2 | 10 | 140*143*575 |
| ZKW304-11-2 | 11 | 140*143*632 |
| ZKW304-12-2 | 12 | 140*143*689 |





-86°C ULT Freezer-New Arrivals: M Twindrive Series



| Model | Volume (L) | Temperature (°C) | External Dimensions (W*D*H,mm) | Internal Dimensions (W*D*H,mm) |
|----------|------------|------------------|--------------------------------|--------------------------------|
| DW-HL780 | 780 | -40~-86 | 1205*1025*1955 | 865*696*1286 |
| DW-HL530 | 530 | -40~-86 | 930*1041*1947 | 585*696*1266 |

-86°C ULT Freezer-New Arrivals: M-Cascade Series



| Model | Volume (L) | Temperature (°C) | External Dimensions (W*D*H,mm) | Internal Dimensions (W*D*H,mm) |
|------------|------------|------------------|--------------------------------|--------------------------------|
| DW-HL1008S | 1008 | -40~-86 | 1362*1025*2002 | 1022*696*1378 |
| DW-HL858S | 858 | -40~-86 | 1217*1025*2005 | 877*696*1378 |
| DW-HL778S | 778 | -40~-86 | 1205*1025*1955 | 865*696*1286 |
| DW-HL678S | 678 | -40~-86 | 1090*1025*1965 | 750*696*1286 |
| DW-HL528S | 528 | -40~-86 | 930*1041*1947 | 585*696*1266 |
| DW-HL398S | 398 | -40~-86 | 785*1041*1947 | 440*696*1266 |

-86°C ULT Freezer-M-Twindrive Series



Frequency Energy

Frequency conversion technology to effectively save energy;

HC refrigerant

Two-stage cascade refrigeration technology, with the HC refrigerant R290 and R170, clean and environmentally friendly.

Security and efficiency

Standard SECOP compressor, 10 years temperature storage, alarm and operation record.

Low energy consumption

Steady-state energy consumption of refrigeration system is as low as 8.111kW · h/24h

-86°C ULT Freezer-Key Selling Points



International famous compressor



Trusted brand EBM fan



10 critical alarms



10 years temp data recording



Remote alarm contact and RS485 interface



High-efficiency Vacuum Insulation Panel

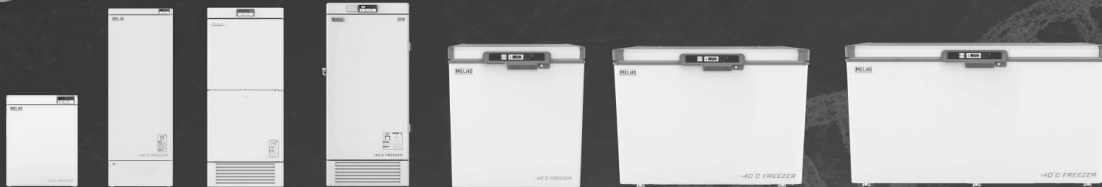


Optional WIFI/Bluetooth data transmission



Optional fingerprint/swipe card

Product family — -40°C ULT Freezer



| Model | Volume (L) | Temperature (°C) | External Dimensions (W*D*H,mm) | Internal Dimensions (W*D*H,mm) | Net Weight(Kg) |
|-----------|------------|--------------------|----------------------------------|----------------------------------|----------------|
| DW-FL90 | 90 | -20~-40 | 700*669*854 | 500*485*532 | 54 |
| DW-FL270 | 270 | -20~-40 | 700*640*1792 | 500*460*1235 | 90 |
| DW-FL450 | 450 | -20~-40 | 810*735*1960 | (650*570*627)*2 | 144 |
| DW-FL528 | 528 | -20~-40 | 930*1041*1947 | 585*696*1266 | 234 |
| DW-FL778 | 778 | -20~-40 | 1205*1025*1955 | 865*696*1286 | 286 |
| DW-FL1008 | 1008 | -20~-40 | 1360*1006*1980 | 1022*696*1378 | 320 |
| DW-FW150 | 150 | -20~-40 | 811*775*929 | 585*465*651 | 60 |
| DW-FW270 | 270 | -20~-40 | 1245*775*929 | 1019*465*651 | 77 |
| DW-FW360 | 360 | -20~-40 | 1534*775*929 | 1308*465*651 | 98 |

Product family — -25°C Biomedical Freezer



| Model | Volume (L) | Temperature (°C) | External Dimensions (W*D*H,mm) | Internal Dimensions (W*D*H,mm) | Net Weight(Kg) |
|----------|------------|--------------------|-------------------------------------|-------------------------------------|----------------|
| DW-YL90 | 90 | -10~-25 | 700*669*854 | 500*485*532 | 54 |
| DW-YL270 | 270 | -10~-25 | 700*640*1792 | 500*460*1235 | 90 |
| DW-YL450 | 450 | -10~-25 | 810*735*1960 | (650*570*627)*2 | 136 |
| DW-YW226 | 226 | -10~-25 | 1115*610*890 | 954*410*703 | 50 |
| DW-YW358 | 358 | -10~-25 | 1350*785*880 | 1220*545*673 | 59 |
| DW-YW508 | 508 | -10~-25 | 1650*735*880 | 1504*545*673 | 74 |