

Ergonomic

Design Handle



Ultra Low Temperature Deep Freezer TI-HL-858S







Cascade cooling system -86°C ULT freezer



Targeted Refrigeration • Fast Refrigeration Energy-saving & Environmentally Friendly Awarded with the Second Prize under State Technological Invention Award



Temp. fluctuation Pulling down to -80°C

0.5 H

Temp. recovery after door opened for 1 min

*Typical freezer data based on internal testing with freezer set point at -80°C and ambient temperature at 22°C.

TI-HL-858S

Features



-40 ~ -86

Temperature control system Display temp. in 0.1°C increments



Touch screen 10"LCD touch screen



Industrial compressor



CE certificate

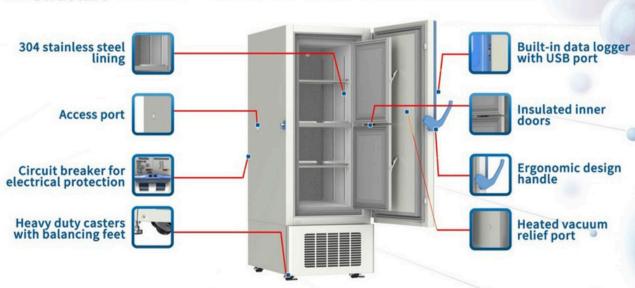


CO2 back up system Optional for extra security for sample



Alarms system 10 kinds of alarm functions





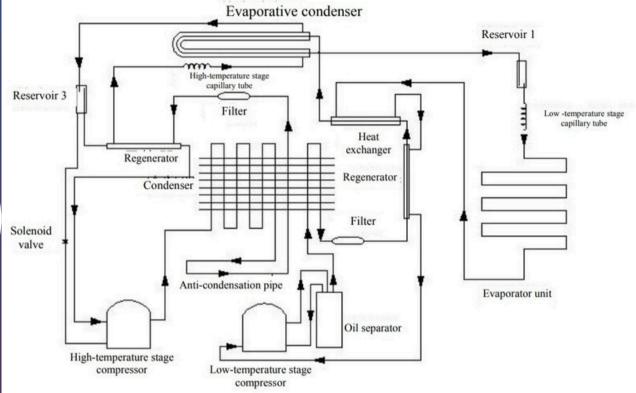


Features:

- Two stages cascade cooling technology
- Foam inner doors
- Built-in vacuum insulation board and triple independent silicone sealing strip design
- Inverter technology, two inverter compressors
- Equipped with 4 heavy casters and 2 balancing feet for easy movement and fixation of the equipment
- Temperature uniformity of ±4°C
- Hydrocarbon refrigerant, which are R290 and R170 as natural gas
- Stainless steel (SUS304) as the internal material
- 5H pulling down to -80°C
- 8.7Kwh daily consumption
- High-definition and easy-handling control panel to set the temperature range from -40°C to -86°C with digital temperature display precision in 1°C
- Lockable door, keyboard lock and password access prevents any unauthorized access and operation
- Adjustable 3 stainless steel shelves with inner door and double silicon gasket seal

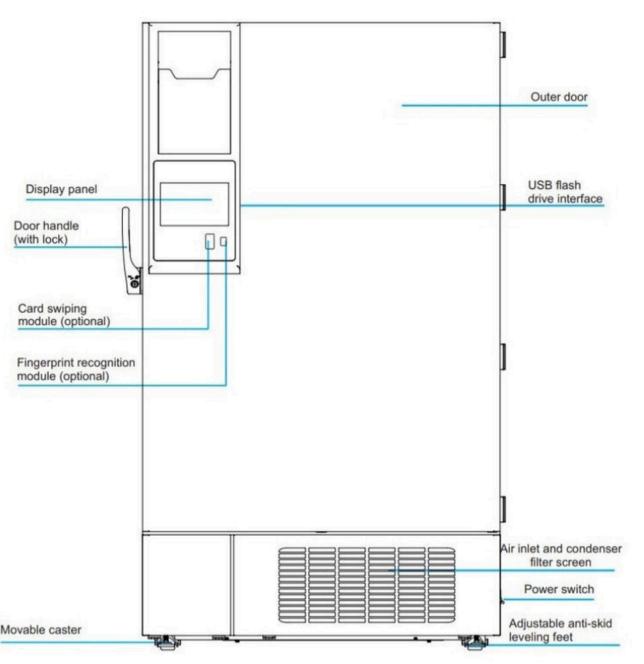
Schematic Diagram of Refrigeration

Principle of Two-stage Cascade Refrigeration System





Product Characteristics:





Model: TI-HL-858S

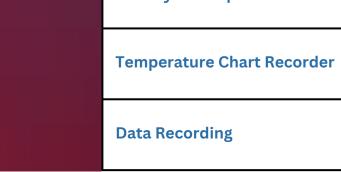
| Туре | Vertical |
|------------------------------|---|
| Internal size(W*D*H)mm | 877*696*1266 mm |
| External size(W*D*H)mm | 1217*1025*1994 mm |
| Storage Capacity (L) | 858 liters |
| Temperature range | -40 ~ -86°C |
| Operating Temperature Range | +16-32°C |
| Temperature display accuracy | 0.1℃ |
| Cooling Technology | Cascade |
| Net Weight | 390 Kgs |
| Cooling Type | Static/Direct |
| Insulation thickness(mm) | Dual Polyurethane (130mm) +VIP Plus Vacuum Insulation Panels |
| Controller | Microprocessor |

DISPLAY FEATURES

| Display Size | 10"HD |
|------------------------------|----------------------------|
| Compressor | Inverter Technology, 2 nos |
| Display Type | Touch Screen |
| Temperature Graph on Display | YES |
| Password Protection | YES |

-40 ~ -86

| | Al | _ARMS |
|---|--|----------------------------|
| | High/Low temperature | YES |
| | High Ambient temperature | YES |
| | Power Failure | YES |
| | Low Battery | YES |
| | Power Failure | YES |
| | Door Open | YES |
| \ | Battery Back up | 48 to 72 hours |
| | Condenser overheating | YES |
| | Sensor Failure | YES |
| | | |
| | Data logging and | External Connection |
| | Data logging and | External Connection Yes |
| | | |
| | Remote Contact | Yes |
| | Remote Contact Data Logging | Yes |
| | Remote Contact Data Logging Memory Capacity | Yes Yes 10 years |
| | Remote Contact Data Logging Memory Capacity Compressor Make | Yes Yes 10 years SECOP |



ecording Every 5 minutes

Optional

| Power | 230 Volts |
|-----------------------------|-----------|
| Frequency (Hz) | 50/60 |
| Power consumption (kWh/24h) | 8.7 KWH |
| AMP (A) | 10 AMP |

POWERber of Ø 25 mm

OTHER FEATURES

| Defrost Type | Manual |
|-----------------------------------|--|
| Heated Pressure Equalization Port | YES |
| Access Port | 2 number of Ø 25 mm |
| Door Handle | Robust Door Handle with lock |
| Casters | 4 nos with anti skid levelling feet |
| Shelves | 3 nos made up of Adjustable Stainless Steel |
| Inner Door | 4 nos |
| Refrigerant | Hight Stage R 290 and Low Stage 170 Natural Refrigerant |
| Interior cabinet material | Stainless steel 304 |
| Colour (exterior cabinet) | Painted steel |
| | |

-40 ~ -86

Access Port

OPTIONAL:

- Chart Recorder
- Co2 Back up System
- Freezer Racks
- Card access or finger print access
- MODBUS Protocol for Data Transfer











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