

ULTRA LOW CHEST FREEZERS

(-40°C TO -80°C)

Image: DFC-84-80



Operon Ultra Low Chest Freezers

- Available in two temperature ranges -40°C to -80°C
- Durable stainless steel interior
- LCD display indicating temperature
- Ability to fit additional accessories such as BMS and Chart Recorder
- Powerful refrigeration systems

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PRODUCT DETAILS

The DFC series ultra low chest freezers are ideal for the storage of small items at -40°C to -80°C. The durable stainless steel interior helps in temperature stability and simplifies freezer cleaning when required. An LCD screen on the front of the unit displays the set temperature, plus the current internal temperature. Both freezers have an automatic timer system that will restart in case of a power failure.

For added security, these models can be fitted with optional alarms, CO2 backup system, phone dialler and a chart recorder (see special applications models below).

The DFC series chest freezers are very robust and provide constant accurate temperature control.

Safety Devices
Over temperature alarms
Over current protection

Optional Accessories
TCR-115, 7 Day circular chart recorder
External connection for BMS (in-house building management system)
TPD-1, Automatic phone dialler to call programmed numbers when alarms are activated

SPECIFICATIONS

Model	DFC-84-40	DFC-84-80
Internal Dimensions (DxWxH mm)	400x450x470	
External Dimensions (DxWxH mm)	700x650x1100	
Capacity (litres)	84	
Temperature Range	-40°C	-40°C to -80°C
Style	Chest	
Refrigeration	Single Stage	Cascade 1/3 hp
Weight (kg)	100	

Thermoline Scientific have been manufacturing and distributing high quality laboratory and scientific testing equipment since 1970. Over this time, Thermoline has grown to be a leading brand in the science industry, with our equipment being used in small and large Hospitals, Universities and Research Laboratories across Australia and the Asia Pacific region.

We're proud to say that we are 100% Australian owned and operated.

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ULTRA LOW CHEST FREEZERS FOR SPECIAL APPLICATIONS

(-40°C TO -80°C)

Image: DFC-84-80-MF



Operon Ultra Low Chest Freezers

- Available in two temperature ranges -40°C and -80°C
- Durable stainless steel interior
- LCD display indicating temperature
- Powerful refrigeration systems
- Temperature sensing independent from freezer control
- BMS Connection
- 7 Day Chart Recorder
- Audible and Visual Alarms
- Battery Backup for Alarms
- Alarm Test Functions

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PRODUCT DETAILS

The DFC-SA models are small capacity, ultra low chest freezers, specially designed with additional safety in mind. These freezers have been fitted with additional alarms (which are battery backed up), building management system connections and chart recorders which all ensure the safe long term storage of valuable or critical products which are to be stored at temperatures between -40 to -80 degrees. An optional phone dialler can also be supplied should additional back up be required.

As per the standard DFC range, both models have a durable stainless steel interior which helps in temperature stability and simplifies freezer cleaning when required. An LCD screen on the front of the unit displays the the current internal temperature and by using the mode procedure users can display the set temperature. This freezer also has an automatic timer system that will restart in case of a power failure. The top opening lid can be locked with a padlock (not supplied) to keep the contents of the freezer secure when left unattended.

Both models have been built to the Australian Standards outlined in AS3864-1997.

Safety Devices
Over temperature cut out
Over current protection
External connection for BMS (in-house building management system)
Battery back up of alarms
Alarm test functions

SPECIFICATIONS

Model	DFC-84-40-MF	DFC-84-80-MF
Internal Dimensions (DxWxH mm)	400x450x470	
External Dimensions (DxWxH mm)	700x650x1100	
Capacity (litres)	84	
Temperature Range	-40°C	-40°C to -80°C
Style	Chest	
Refrigeration	Single Stage	Cascade 1/3 hp
Weight (kg)	100	

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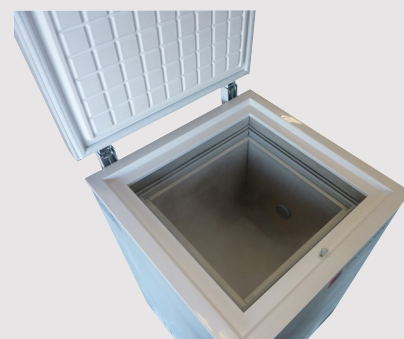
(-40°C TO -80°C)

Image: DW-HL50



Ultra Low Chest Freezer

- One economic, small capacity model available
- Durable stainless steel interior
- Digital controller with display indicating temperature
- Ability to fit additional accessories such as BMS
- Powerful refrigeration system
- Lockable top opening door
- Supplied with castors for easy moving
- 3 years warranty on parts



Inside the DW-HL50 litre chest freezer

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PRODUCT DETAILS

This small capacity ultra low chest freezer has been designed for small research laboratories where minimal space is available. It is supplied standard with a digital control, lockable top opening door and castors for easy moving. Temperature is adjustable between -40°C and -80°C. A powerful Danfoss refrigeration unit enables this freezer to reach its minimum temperature of -80°C in only 3 hours.

100mm foam insulation around the chamber helps reduce temperature loss and CFC free refrigerant is used.

Safety Devices
Over temperature cut out
Over current protection
External connection for BMS (in-house building management system)

SPECIFICATIONS

Model	DW-HL50
Internal Dimensions (DxWxH mm)	343x343x415
External Dimensions (DxWxH mm)	600x560x910
Capacity (litres)	50
Temperature Range	-40°C to -80°C
Style	Chest
Refrigeration	Single Stage
Weight (kg)	66

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