

Ultralow temperature freezer-DFC/DFC-P

Chest Type

Product features and specifications

- Realization of powerful and stable -86°C freezing performance with application of Two stage Auto cascade system
- Use of CFC-free special mixed refrigerants
- Application of aerodynamically designed pan wings equipped with huge capacity and high performance
- Hermetic compressor for LBP with excellent performance
- Use of 130mm high density urethane insulating materials to minimize cold air loss
- Non scaling stainless chamber
- Strong structure frame and impact resistant powder coating finishing
- Round corner design for easy cleaning
- Prevention of condensation and the chill loss with two-layered packing
- Filter cover for easy cleaning and washable filter
- Chest type cabinet structure
- Temperature for hard condition resistant test +32°C
- Temperature measuring sensor: platinum PT-100Q(Class A 0.15 grade)
- Prevention of frost with Rim Heating system
- RS-232 Data port and Interface which is available for store, control and monitor temperature data via user's PC



Control system

- Micro processor control system /Digital temperature indicator which adjust the temperature by 0.1°C
- Functions for setting double passwords to prevent access or control except administrators
- Data locking function

Alarm system and safety devices

- Alarm for filter cleaning period (Warm Condenser alarm)
- Alarm for high/low temperature of sight and auditory
- Equipped with pressure switch
- Equipped with overheating prevention switch
- Auto return system after blackout

Ultralow temperature freezer (Chest freezer)

Model	DFC-37			DFC-84			DFC-200			DFC-300			DFC-400			DFC-500			DFC-600		
	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE
Temperature range	-40°C	-55°C	-75°C	-40°C	-55°C	-86°C	-40°C	-55°C	-86°C	-40°C	-55°C	-86°C	-40°C	-55°C	-86°C	-40°C	-55°C	-86°C	-40°C	-55°C	-86°C
External size	W430 x D560 x H920			W700 x D653 x H1125			W1365 x D720 x H1101			W1665 x D720 x H1101			W1965 x D720 x H1101			W2265 x D720 x H1101			W2565 x D720 x H1101		
Internal size	W235 x D365 x H425			W437 x D387 x H500			W600 x D470 x H710			W900 x D470 x H710			W1200 x D470 x H710			W1500 x D470 x H710			W1800 x D470 x H710		
Inside measurement	37L			84L			200L			300L			400L			500L			600L		
Electric capacity	Capacity necessary for installment AC220V 1ph (50/60Hz)																				
Weight	40kg			150Kg			255Kg			290Kg			315Kg			340Kg			365Kg		

Ultralow temperature freezer (Power Plus model-Chest type) for Tropical climate

- Chest type Power Plus model- the freezer appropriate for the surrounding temperature +40°C and over

Model	DFC-200P			DFC-300P			DFC-400P			DFC-500P			DFC-600P		
	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE
Temperature range	-40°C	-55°C	-86°C	-40°C	-55°C	-86°C	-40°C	-55°C	-86°C	-40°C	-55°C	-86°C	-40°C	-55°C	-86°C
External size	W1365 x D720 x H1101			W1665 x D720 x H1101			W1965 x D720 x H1101			W2265 x D720 x H1101			W2565 x D720 x H1101		
Internal size	W600 x D470 x H710			W900 x D470 x H710			W1200 x D470 x H710			W1500 x D470 x H710			W1800 x D470 x H710		
Inside measurement	200L			300L			400L			500L			600L		
Electric capacity	Capacity necessary for installment AC220V 1ph (50/60Hz)														
Weight	255Kg			290Kg			315Kg			340Kg			365Kg		

Options

Rack / Box / CO2 Backup system / LCD touch screen with SD card(or USB) - Basic -1channel (sensor 3channel, 6channel options) / U-system (remote alarm system and wireless control system – telecommunication subscription needed) / Automatic voltage regulator / Cryogenic gloves / Battery backup (Control panel and alarm) / Recorder / VIP / ※The minimum temperature of ultralow temperature freezer(C-type) is supplied with -91°C performance if the customer requests.