Ultralow temperature freezer

DFU-V / DFUD-V (shelf-cooling type)
DFU-P / DFUD-P (Power Plus model)

Upright type Validity(Shelf Cooling Type) – (DFU-V / DFUD-V)

Product features and specifications
- Realization of strong cooling power with installment of copper pipes in each shelf and accurate and even temperature profile inside

Ultralow temperature freezer (Shelf cooling type Validity freezer)-Single door

Model	DFU-128V			DFU-256V			DFU-374V			DFU-446V			DFU-558V			DFU-657V			DFU-740V			DFU-868V		
Temperature range	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE
	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃
External size	W710 x D750 x H1390			W710 x D750 x H1990			W860 x D800 x H1951			W860 x D900 x H1951			W1010 x D900 x H1901			W1010 x D990 x H1901			W1010 x D1010 x H2001			W1010 x D1151 x H2001		
Internal size	W450 x D475 x H600			W450 x D475 x H1200			W600 x D520 x H1200			W600 x D620 x H1200			W750 x D620 x H1200			W750 x D730 x H1200			W750 x D750 x H1300			W750 x D891 x H1300		
Inside measurement	128L			256L			347L			446L			558L			657L			731L			868L		
Electric capacity	Capacity necessary for installment AC220V 1ph (50/60Hz)																							
Weight	210kg			300kg			370kg			380kg			400kg			420kg			450kg			500kg		

Ultralow temperature freezer (Shelf cooling type Validity freezer)-Double door

Model	DFUD-374V			DFUD-446V			DFUD-558V			DFUD-657V			DFUD-740V			DFUD-1080V			DFUD-1215V		DFUD-1260V	
Temperature range	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	AE	BE
	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-40℃	-55℃
External size	W860 D800 H1951			W860 x D900 x H1951			W1010 x D900 x H1901			W1010 x D990 x H1901			W1010 x D1010 x H2001			W1460 x D1010 x H1990			W1610 x D1010 x H1990		W2260 x D1010 x H1583	
Internal size	W600 D520 H1200			W600 x D620 x H1200			W750 x D620 x H1200			W750 x D730 x H1200			W750 x D750 x H1300			W1200 x D750 x H1200			W1350 x D750 x H1200		W1400 x D750 x H1200	
Inside measurement	347L			446L			558L			657L			731L			1080L			1215L		1260L	
Electric capacity	Capacity necessary for installment AC220V 1ph (50/60Hz)																					
Weight	380kg			390kg			410kg			425kg			455kg			500kg			520kg		540kg	

Upright-Double door type Power plus model for Tropical climate

Product features and specifications
- The freezer appropriate for the surrounding temperature +40℃ and over

Ultralow temperature freezer (Power Plus model-Double door Upright type)

Model	DFUD-374P			DFUD-446P			DFUD-558P			DFUD-657P			DFUD-740P			DFUD-1080P			DFUD-1215P		DFUD-1260P	
Temperature range	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	CE	AE	BE	AE	BE
	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-86℃	-40℃	-55℃	-40℃	-55℃
External size	W860 x D800 x H1951			W860 x D900 x H1951			W1010 x D900 x H1901			W1010 x D990 x H1901			W1010 x D1010 x H2001			W1460 x D1010 x H1990			W1610 x D1010 x H1990		W2260 x D1010 x H1583	
Internal size	W600 x D520 x H1200			W600 x D620 x H1200			W750 x D620 x H1200			W750 x D730 x H1200			W750 x D750 x H1300			W1200 x D750 x H1200			W1350 x D750 x H1200		W1400 x D750 x H1200	
Inside measurement	347L			446L			558L			657L			731L			1080L			1215L		1260L	
Electric capacity	Capacity necessary for installment AC220V 1ph (50/60Hz)																					
Weight	380kg			390kg			410kg			425kg			455kg			500kg			520kg		540kg	

Control system
- Micro processer control system /Digital temperature indicator which adjust the temperature by 0.1℃
- 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

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.