-86°C Upright Freezer (Dual Refrigeration System)



Advantages

● There is an added layer of security through the implementation of two separate cooling systems. Once one system fails, the other can effectively sustain an inner temperature of -70℃.

● Accurate microprocessor-controlled system ensures temperature rage of -86℃ to -40℃ for chamber space with 1℃ increment.

● Powerful cooling system with unique design supports rapidly temperature decrease.

● Safety inner door design gives more tight seal for freezer. Allow users to suit needs together with adjustable shelves.

● Chamber material made by 304 stainless steel for friendly cleaning.

Reliability

● Safety password protected control panel prevents unauthorized system modification.

● Audible buzzer and visible flashing temperature alarm system for high/low temperature, sensor error, thermostat failure alarm, power failure alarm, door switch, ambient temperature alarm, condenser failure alarm, filter check alarm, voltage abnormal alarm, low battery alarm.

● Door lock for storage safety

Ergonomic Design

● Upright door with limit door hinge prevents collision when door opens.

● Controller password protected to avoid unauthorized system modification.

● Lockable universal caster wheels for easy moving.

● Removable inner door for user to defrost and clean.



Optional Freeze Racks



Touch Screen



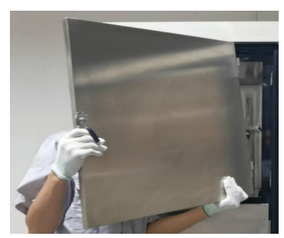
Quick-release filter



Adjustable Shelves



Multi-layer Silicone Seals



Removable Inner Door

-86°C Upright Freezer

-86°C Upright Freezer (Dual Refrigeration System)






Specification

Model		UFZ-86V410P	UFZ-86V590P	UFZ-86V730P	UFZ-86V840P
Capacity (L)		408	588	728	838
Size (W×D×H)	Internal (mm)	606×575×1180	606×738×1310	963×571×1350	894×718×1310
	External (mm)	891×992×1945	891×1155×1995	1248×975×1995	1179×1135×1995
Temperature	Range (℃) at room Temperature 10~32℃	-40~-86	-40~-86	-40~-86	-40~-86
	Sensor	PTC	PTC	PTC	PTC
	Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Cooling System	Refrigerant	R4001 (CFC Free)	R4001 (CFC Free)	R4001 (CFC Free)	R4001 (CFC Free)
	Defrost	Manual	Manual	Manual	Manual
	Compressor (Qty)	SECOP/2	SECOP/2	SECOP/2	SECOP/2
Display		LCD display	LCD display	LCD display	LCD display
Audible & Visible Alarm		High/Low temperature, high ambient temperature, sensor error, abnormal voltage, low battery, door ajar, 72h power failure backup system (alarm)			
Material	Internal	Stainless steel, grade 304			
	External	Electro-galvanized steel with antimicrobial powder coating			
	Inner Door	Stainless steel, grade 304			
Accessories	Standard	USB port, casters, remote alarm port, 25mm test hole			
	Optional	Data logger, back up system (CO_2/LN_2)			
Shelves(Qty)		3	3	3	3
Optional Frozen Racks (Qty)	Racks	8(5×4)+8(4×4)	16(5×5)	18(5×4)+6(6×4)	24(5×5)
	Boxes (2 Inches)	288	400	504	600
	Samples (2ml)	28800	40000	50400	60000
Sound Emission (dB)		53	53	55	55
Electricity	Power Supply	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz
	Consumption (W)	1350	1500	1400	1700
N.W. / G.W. (kg)		236/278	283/346	316/392	310/384
Shipping Size (W×D×H) (mm)		965×1030×2125	975×1185×2200	1330×1015×2210	1270×1170×2200

-86°C Upright Freezer