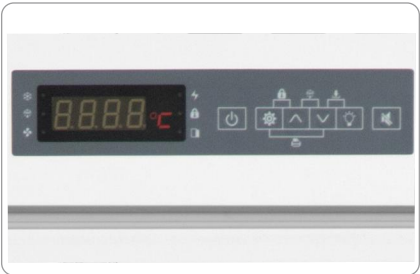


-40°C Upright Freezer



Advantage

High density CFC-free urethane foam insulation.



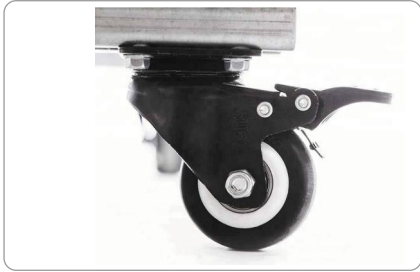
Microprocessor control, digital display, adjustable temperature range: -20°C ~ -40°C.



Independent inner door or drawers to avoid more cooling leakage.



Safety lock prevents unauthorized access.



Lockable caster design for customer to move as needed.

Reliability



Audible and visible alarm: high and low temperature, sensor error, power failure backup system alarm.



Build-in backup battery to display temperature and to operate audible and visual alarm systems for up to 12 hours without AC power.



Power failure protect: Device could be attacked by the high current when all devices in the lab restart, start-delay function would protect device from the damage.



Door lock design to prevent unauthorized access.

-40°C Deep freezer designed to store vaccines blood plasma, and many other biological materials, Installations can be found in researching institution and clinical sites in life science, electronic testing and medical markets.

Optional

USB and temperature recorder.



Specification

Model		FZ-40V270E	FZ-40V280E	FZ-40V330E
Capacity (L)		268	278	328
Size (WxDxH)	Internal (mm)	508x455x1137	480x415x1460	508x455x1393
	External (mm)	673x676x1630	659x600x1694	673x676x1886
Temperature	Range (°C) at RT. 10 ~ 32°C	-20 ~ -40	-20 ~ -40	-20 ~ -40
	Sensor	NTC	NTC	NTC
	Controller	Microprocessor	Microprocessor	Microprocessor
Cooling System	Refrigerant	R290 (CFC Free)	R290 (CFC Free)	R290 (CFC Free)
	Defrost	Manual	Manual	Manual
	Compressor (Qty)	CUBIGEL / 1	CUBIGEL / 1	CUBIGEL / 1
Display		Digital display	Digital display	Digital display
Audible &Visible Alarm	High / Low temperature	Standard	Standard	Standard
	High ambient temperature	/	/	/
	Sensor error	Standard	Standard	Standard
	Low battery	/	/	/
	Power failure backup system(alarm)	8h	/	8h
Material	Internal	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating
	External	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating
Accessories	USB port	/	/	/
	Castors	Standard	Standard	Standard
	Remote alarm port	Standard	/	Standard
	Test hole (Qty) / Diameter (mm)	2 / 20	2 / 20	2/20
Shelves / Drawers (Qty)		Shelves / 3	Drawers / 7	Shelves / 4
Sound Emission (dB)		48	50	48
Electricity	Voltage / Frequency	AC110 / 220V±10%, 50 / 60Hz	AC110 / 220V±10%, 50 / 60Hz	AC110 / 220V±10%, 50 / 60Hz
	Consumption (W)	300	280	300
N.W. / G.W. (kg)		98.5 / 118	79 / 104.5	110.3 / 132
Shipping Size (WxDxH) (mm)		760x760x1750	725x665x1850	750x760x2030

-40°C Upright Freezer



-40°C Upright Freezer



Advantage



Height-adjustable shelf trays allow operator to adjust the inside of the chambers according to the size of the samples.



Equipped with separate doors or drawers that suppress the leakage of cold air during opening and closing of the doors.



Door latch with provision for a padlock for extra protection of samples.



Safety lock prevents unauthorized access.

Reliability



Audible and visible alarm: high and low temperature, sensor error, power failure backup system alarm.



Build-in backup battery to display temperature and to operate audible and visual alarm systems for up to 12 hours without AC power.



Power failure protect: Device could be attacked by the high current when all devices in the lab restart, start-delay function would protect device from the damage.



Door lock design to prevent unauthorized access.



FZ-40V360



FZ-40V530



FZ-40V1000

-40°C Upright Freezer

Specification

Model		FZ-40V360	FZ-40V530	FZ-40V1000
Capacity (L)		358	528	936
Size (WxDxH)(mm)	Internal	(466x636x625)x2	(651x631.5x635)x2	1000x700x1335
	External	720x830x1870	900x818x1875	1304x1000x2017
Temperature	Range (°C) at RT. 10~32 °C	'-20~-40 °C	'-20~-40 °C	'-25~-40 °C
	Sensor	NTC	NTC	PTC
Cooling Stystem	Controller	Microprocessor	Microprocessor	Microprocessor
	Refrigerant	R290 (CFC Free)	R290 (CFC Free)	R290 (CFC Free)
	Defrost	Manual	Manual	Manual
	Compressor (Qty)	CUBIGEL/2	CUBIGEL/1	SECOP/2
Display		Digital display	Digital display	Digital display
& Visible Alarm	Audible High/Low temp	Standard	Standard	Standard
	High Ambient Temperature	Standard	Standard	Standard
	Sensor error	Standard	Standard	Standard
	Low Battery	/	/	Standard
Material	Power Failure Backup System(alarm)	8h	8h	72h
	Internal	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Stainless steel grade 304
	External	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating
Accessories	USB Port	Standard	Standard	Standard
	Castors	Standard	Standard	Standard
	Remote Alarm Port	Optional	Standard	Standard
	Test Hole (Qty / Diameter (mm))	2/φ20mm	2/φ20mm	2/φ20mm
Shelves / Drawers (Qty)		4 Shelves, 12 Drawers	4 Shelves, 18 Drawers	3 Shelves
Sound Emission (dB)		49	55	50
Electricity	Voltage/Frequency	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz
	Consumption (W)	310	340	1000
N.W./G.W. (Kg)		138/178	151/184	372/416
Shipping Size (WxDxH) (mm)		780x920x1990	930x970x2000	1360x1135x2170

-40°C Freezer (Separate Refrigerator)



-40°C Upright Freezer



Advantage



Height-adjustable shelf trays allow operator to adjust the inside of the chambers according to the size of the samples.



Equipped with separate doors or drawers that suppress the leakage of cold air during opening and closing of the doors.



Door latch with provision for a padlock for extra protection of samples.



Safety lock prevents unauthorized access.

Reliability

- Audible and visible alarm: high and low temperature, sensor error, power failure backup system alarm.
- Build-in backup battery to display temperature and to operate audible and visual alarm systems for up to 12 hours without AC power.
- Power failure protect: Device could be attacked by the high current when all devices in the lab restart, start-delay function would protect device from the damage.
- Door lock design to prevent unauthorized access.

Combined model



-40°C Upright Freezer

Specification

Model		RFZ-40V370
Capacity (L)		368
Size (WxDxH)(mm)	Internal	F:580x626x625 R:466x636x625
	External	720x830x1870
Temperature Range (°C) at RT. 10~32 °C		F: -20~-40 R: 2~8
Sensor		NTC
Controller		Microprocessor
Cooling System	Refrigerant	R290 (CFC Free)
	Defrost	Manual
	Compressor (Qty)	CUBIGEL/1 HUAYI/1
Display		Digital display
Audible & Visible Alarm	Standard	High/Low temperature, Sensor error
	High Ambient Temperature	Standard
	Low Battery	/
	Power Failure Backup System(alarm)	8h
Material	Internal	Electro-galvanized steel with antimicrobial powder coating
	External	Electro-galvanized steel with antimicrobial powder coating
Accessories	USB Port	Standard
	Casters	Standard
	Remote Alarm Port	Optional
	Test Hole (Qty / Diameter (mm))	2/20
Shelves / Drawers (Qty)		Shelves/2 Drawers/6
Sound Emission (dB)		50
Electricity	Voltage/Frequency	AC110/220V±10%, 50/60Hz
	Consumption (W)	430
N.W./G.W. (Kg)		137/166
Shipping Size (WxDxH) (mm)		775x920x1990

-40°C Upright Freezer



-40°C Upright Freezer



Advantage

- Temperature range: -15°C ~-45°C , adjustable
- Defrost: Manual
- Refrigerant: Mixed-gas (CFC Free)
- PTC sensor

- 1.Ultra-thick foam layer and double-sealed door effectively protect the freezer's internal temperature.
- 2.Cooling system is optimized for self-replication, and the imported compressor provides strong and efficient refrigeration capacity.
- 3.Built in stainless steel shelves, easy to use and to clean.
- 4.Safety lock prevents unauthorized access.
- 5.Universal casters design, easy to move.

Reliability



Audible and visible alarm: high and low temperature & sensor erroralarm.



Wide voltage band design, suits for 187V ~ 242V AC voltage.



Stainless steel 304 internal and shelves, anti-rust for longer life.



Door lock design to prevent unauthorized access.



-40°C Upright Freezer

Specification

Model		FZ-40V410	FZ-40V610	FZ-40V710	FZ-40V810
Capacity (L)		408	608	708	808
Size (WxDxH)	Internal (mm)	550x630x1140	700x680x1255	850x735x1170	850x735x1335
	External (mm)	850x960x1860	940x980x1920	1090x1010x1860	1090x1010x2025
Temperature	Range at RT. 10 ~ 32°C	-15~ -45°C	-15~ -45°C	-15~ -45°C	-15~ -45°C
	Sensor	PTC	PTC	PTC	PTC
	Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Cooling System	Refrigerant	Mixed-gas (CFC Free)	Mixed-gas (CFC Free)	Mixed-gas (CFC Free)	Mixed-gas (CFC Free)
	Defrost	Manual	Manual	Manual	Manual
	Compressor (Qty)	(SECOP)DANFOSS/1	(SECOP)DANFOSS/1	(SECOP)DANFOSS/1	(SECOP)DANFOSS/1
Display		Digital display	Digital display	Digital display	Digital display
Audible &Visible Alarm	High/Low temp	Standard	Standard	Standard	Standard
	High ambient temp	Optional	Optional	Optional	Optional
	Sensor error	Standard	Standard	Standard	Standard
	Abnormal voltage	Optional	Optional	Optional	Optional
	Low battery	Optional	Optional	Optional	Optional
	Power failure backup	Optional	Optional	Optional	Optional
	Door ajar	OptionalOptional	Optional	Optional	Optional
Material	External	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating
	Inner door	Stainless steel, grade 304	Stainless steel, grade 304	Stainless steel, grade 304	Stainless steel, grade 304
Accessories	Casters	Standard	Standard	Standard	Standard
	Temp recorder	4	4	4	4
	Remote alarm port	Optional	Optional	Optional	Optional
	Test hole(Qty)	1/ ø18mm	1/ ø18mm	1/ ø18mm	1/ ø18mm
Shelves / Drawers (Qty)		Shelves / 3	Shelves / 3	Shelves / 3	Shelves / 3
Sound Emission (dB)		<60	<60	<60	<60
Electricity	Voltage/Frequency	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz
	Consumption (W)	420	810	820	850
N.W. / G.W. (kg)		200/250	265/295	285/315	300/325
Shipping Size (WxDxH) (mm)		935x1030x2030	1020x1080x2070	1170x1110x2010	1170x1110x2175
Optional (LCD)		These alarm functions are only available when the LCD screen is selected.			

-40°C Chest Freezer



-40°C Chest Freezer



Advantage

- 1.Clear LED screen and control panel support easy display and operation.
- 2.Lockable universal caster wheels.
- 3.Inner doors or drawer design makes separated storage possible.
- 4.Eco friendly CFC-free refrigerant also save energy.
- 5.Standard testing hole.Optimized refrigeration system designed to maximize cooling effect and temperature uniformity.
- 6.Door lock for storage safety.
- 7.Wide voltage tolerance design with applicable voltage range of 187-242V/AC.



Door lock design to avoid abnormal door open.

Reliability



Audible and visible alarm: high and low temperature, sensor error, power failure backup system alarm.



Build-in backup battery to display temperature and to operate audible and visual alarm systems for up to 12 hours without AC power.



Power failure protect: Device could be attacked by the high current when all devices in the lab restart, start-de-lay function would protect device from the damage.



Door lock design to prevent unauthorized access.



-40°C Chest Freezer

Specification

Model		FZ-40H110	FZ-40H310	FZ-40H490
Capacity (L)		105	305	485
Size (WxDxH)	Internal (mm)	480x380x665	1000x520x665	1455x525x665
	External (mm)	694x686x942	1218x840x940	1667x863x949
Temperature	Range (°C) at RT. 10 ~ 32°C	-10 ~ -40	-20 ~ -40	-20 ~ -40
	Sensor	NTC	NTC	NTC
	Controller	Microprocessor	Microprocessor	Microprocessor
Cooling System	Refrigerant	R290 (CFC Free)	R290 (CFC Free)	R290 (CFC Free)
	Defrost	Manual	Manual	Manual
	Compressor (Qty)	CUBIGEL / 1	CUBIGEL / 1	CUBIGEL / 1
Display		Digital display	Digital display	Digital display
Audible &Visible Alarm	High / Low temperature	Standard	Standard	Standard
	High ambient temperature	/	/	/
	Sensor error	Standard	Standard	Standard
	Low battery	/	/	/
	Power failure backup system(alarm)	12h	12h	12h
Material	Internal	Stainless steel, grade 304	Electro-galvanized steel with antimicrobial powder coating	Stainless steel, grade 304
	External	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating
Accessories	USB port	/	/	/
	Casters	Standard	Standard	Standard
	Remote alarm port	/	/	/
	Test hole (Qty) / Diameter (mm)	2 / 20	2 / 20	2 / 20
Shelves / Drawers (Qty)		/	/	/
Sound Emission (dB)		50	52	55
Electricity	Voltage / Frequency	AC110 / 220V±10%, 50 / 60Hz	AC110 / 220V±10%, 50 / 60Hz	AC110 / 220V±10%, 50 / 60Hz
	Consumption (W)	160	162	295
N.W. / G.W. (kg)		52 / 64.5	80 / 85	108 / 135
Shipping Size (WxDxH) (mm)		750x700x1040	1295x842x1070	1775x880x1060

-40°C Chest Freezer



-40°C Chest Freezer



Advantage

- Temperature range: -15 ~ -45 °C , adjustable
- Defrost:Manual
- Refrigerant:Mixed with CFC free
- PTC sensor

1. Microcomputer control, real-time temperature display, temperature with 0.1°C increment .
2. High and low temperature alarm function, alarm temperature value can be set as required.
3. Inner chamber temperature is adjustable; Alarm temperature could be customized as requirements.
4. Built in adjustable stainless steel shelf, easy to use and to clean.
5. Food grade stainless steel inner chamber, safe and secure.
6. Heavy duty caster design, easy to move.
7. Safety door lock is designed to prevent random opening.
8. Wide voltage band design, suitable for 187V ~ 242V AC voltage.

Reliability



Audible and visible alarm: high and low temperature & sensor error alarm.



Multiple protection functions: frequent start-up protection, refrigeration system keeps running in case of sensor failure

-40°C Chest Freezer



Specification

Model		FZ-40H220	FZ-40H420
Capacity (L)		220	420
Size (WxDxH)	Internal (mm)	960x470x600	1480x470x680
	External (mm)	1160x765x885	1680x765x985
Temperature	Range (°C)	-15 ~ -45 °C , adjustable	-15 ~ -45 °C , adjustable
	Sensor	PTC	PTC
	Controller	Microprocessor	Microprocessor
Cooling System	Refrigerant	Mixed-gas (CFC Free)	Mixed-gas (CFC Free)
	Defrost	Manual	Manual
	Compressor (Qty)	SECOP/1	SECOP/1
Display		LED	LED
Audible& Visible Alarm	High/Low temperature	Standard	Standard
	Sensor failure	Standard	Standard
Material	External	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating
	Inner door	304 stainless steelStandard	304 stainless steelStandard
	Castors	Standard	Standard
	Temperature recorder	Optional	Optional
	Test hole (Qty) / Diameter (mm)	1/ ø18mm	1/ ø18mm
Shelves / Drawers (Qty)		/	/
Sound Emission (dB)		60	60
Electricity	Voltage / Frequency	220V , 50/60Hz;110V,60Hz	220V , 50/60Hz;110V,60Hz
	Consumption (W)	380	380
N.W. / G.W. (kg)		106/136	146/176
Shipping Size (WxDxH) (mm)		1260x845x1035	1780x845x1135