



ULTRALOW TEMPERATURE FREEZERS **-86°C**



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as established in 1997,
as result of twenty year experience of its owners
in medical refrigeration field.
Constant research and development, along with
professional and serious attitude have enabled **frimed**
to design and manufacture highly reliable refrigerators
and freezers to be used in hospital, laboratory,
industrial biomedical and pharmaceutical fields as well
as scientific field in general.
In few years our appliances have become well known
and are now appreciated and chosen in many countries
all over the world.

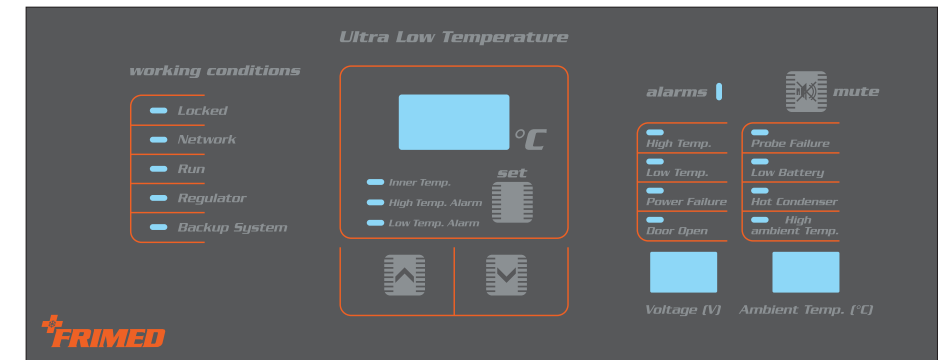
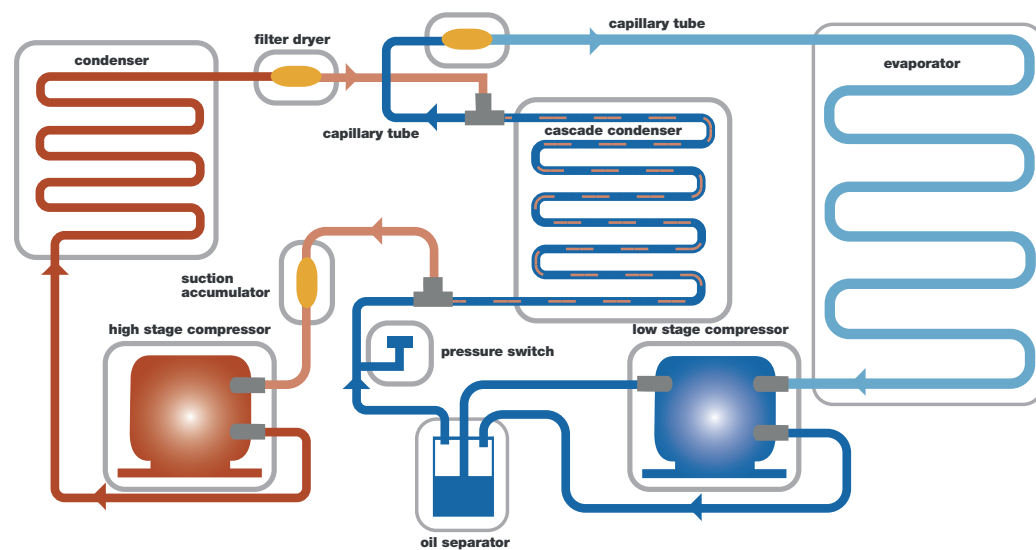




ultralow temperature freezers -86°C

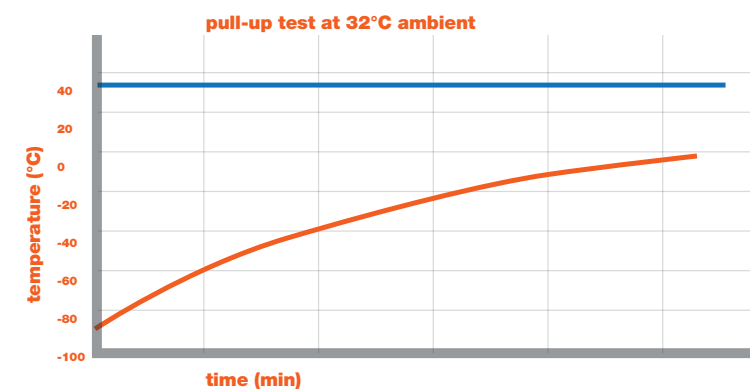
- Energy saving models.
- Excellent insulation with high performance VIP insulation panels system.
- Excellent pull-up time during a power failure.
- High efficiency fan motors.
- 4 insulated inner doors to minimize ice forming.
- Compressors with natural gas, hydrocarbon refrigeration system.
- Pressure equalization port.
- Low noise, around 50 dB (A).
- Lock with key to use the appliance under supervision.
- Excellent temperature uniformity.
- Accurate temperature control with microprocessor.
- Controller easy to use.
- Excellent storage capacity with a large choice of racks.
- Side port hole.
- 4 all-direction wheels with fixing stand.

heat exchange circulation system of ultra low temperature freezer

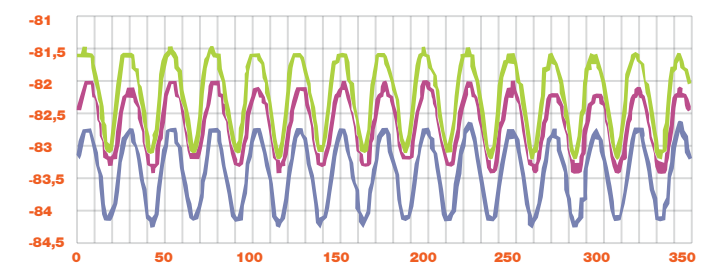


control panel

- Microprocessor controller.
- Setting and visualization LED display.
- Data storage.
- Audible and visual alarms including high-low temperature and open door.
- Easy-to-use program.
- Back-up battery to show temperature on display and to manage the alarm system in case of power failure.
- Remote contact (dry, volt-free) to connect the equipment to an external alarm.
- USB port to download temperature data and alarms and to upgrade or reset the appliance.
- Power voltage reading display.
- Ambient temperature reading display.



excellent humidity uniformity



excellent temperature uniformity



MODEL	FTB-580FR	FTB-730FR
Temp. range (°C)	-40 to -86	-40 to -86
Temp. accuracy	±1°C	±1°C
Temp. uniformity	±5°C	±5°C
Volume (liters)	580	730
Ext. dim. (lxdxh) mm	903x980x1960	1049x980x1980
Int. dim. (lxdxh) mm	620x716x1310	766x716x1310
Electrical current (A)	7.5	10
Sound level dB (A)	50	50
STANDARD		
Stainless steel shelf	3	3
Inner door	4	4
Casters	✓	✓
Port hole	2	2
Backup battery	✓	✓
Remote contact	✓	✓
USB port	✓	✓
OPTIONAL ACCESSORIES		
Racks (up to ...)	16	20
Temperature recorder	✓	✓
RS232/485 port	✓	✓
CO2 backup system	✓	✓



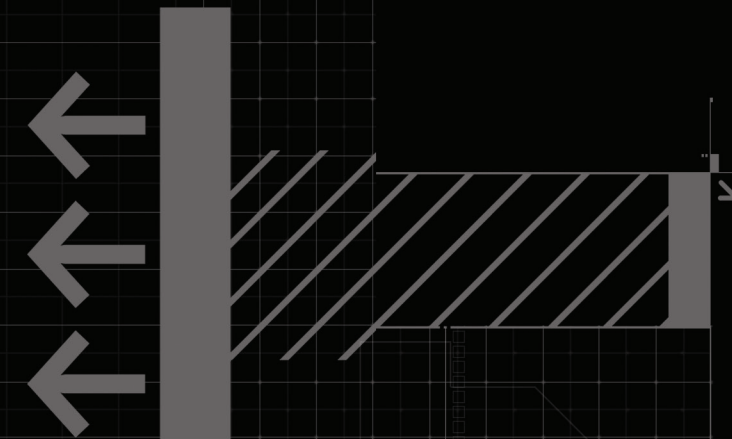
pressure equalization port



excellent doors seals



two sample ports on back for temperature monitoring conveniently



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Flight No.	Destination	Schedule	Hall	Type
LH 456	London/Heathrow	1810	B	321
LH 895	Hannover	1810	A	320
LH 911	Köln/Bonn	1815	A	320
LH 833	Düsseldorf	1815	A	735
LH 233	Berlin/Tegel	1820	A	321
FU 546	Nizza	1830	D	CRJ
LO 354	Warschau	1830	D	EM4
OS 116	Wien	1835	A	736
SR 557	Zürich	1835	D	320
LH 227	Frankfurt/Main	1840	A	313
OU 437	Zagreb	1840	B	320
LH 9594	Strasbourg	1845	A	DH3
LH 9615	Dortmund	1845	A	DH3
LH 947	Düsseldorf	1845	A	321
LH 821	Hamburg	1845	A	320
LH 3000	Oslo	1850	B	733
LH 5194	Helsinki	1850	B	142
DI 7020	Berlin/Tegel	1850	D	733
LH 1061	Nürnberg	1850	A	AT5
LH 925	Bremen	1850	A	319
LH 9659	Paderb./Lippst.	1850	A	DH3
DI 7166	Köln/Bonn	1855	D	733
DI 7096	Düsseldorf	1855	D	733
LH 4514	Birmingham	1855	B	142
LH 072	Münster/Osnabr.	1855	A	733
LH 4542	Manchester	1855	B	142
LH 5178	Leipzig/Halle	1855	A	F50
LH 3672	Zürich	1900	B	F50
LH 4160	Paris/CDG	1900	A	735
LH 5822	Marseille	1900	A	CRJ
LH 4432	Brüssel	1900	A	735
LH 5760	Nizza	1900	A	CRJ
ZN 034	Graz	1900	A	J31
LH 5896	Amsterdam	1900	A	142
IB 3531	Madrid	1905	D	320
LH 3212	Prag	1905	B	F50
LH 5276	Warschau	1905	B	CRJ
LH 4620	London/Heathrow	1910	B	733
LH 3832	Bologna-Napoli	1910	A	733
LH 5384	Wien	1910	A	DRJ
LH 5686	Turin	1910	A	142
LH 5366	Gent	1910	B	146
LH 5594	Firenze	1910	A	142
LH 882	Dresden	1910	A	733
LH 3864	Mailand/Malpensa	1910	A	733
LH 1747	Stuttgart	1915	A	735
LH 2248	Goteborg	1915	B	CRJ
LH 5872	Lyon	1915	A	CRJ
LH 893	Hannover	1915	A	733
LH 933	Köln/Bonn	1915	A	320
LH 3046	Stockholm/ARN	1915	B	319
LH 2205	Berlin/Tegel	1915	A	321
LH 4312	Madrid	1920	A	733
LH 3818	Rom	1920	A	733
LH 3456	Istanbul	1920	B	319
LH 4308	Barcelona	1920	A	733
LH 3420	Athen	1920	A	320
LH 857	Hamburg	1925	A	320
LH 879	Dusseldorf	1925	A	733
EN 2689	Triest	1930	A	AT5
SN 2548	Brüssel	1930	D	735
EN 2697	Verona	1935	A	AT5
EN 2667	Venedig	1935	A	AT5
MS 689	Kairo	1935	C	320
FC 607	Erfurt	1935	A	D38
SK 664	Kopenhagen	1940	B	M80
EN 2681	Genoa	1945	A	AT3
EN 2677	Pisa	1945	A	AT3
EN 2705	Mailand/Bergamo	1945	A	AT3
EAE 108	Monchengladbach	1945	A	AT3
EN 9193	Ancona	1945	A	AT5
LH 244	Berlin/Tegel	1945	A	733
DI 7114	Hamburg	1955	D	733
LH 273	Frankfurt/Main	1955	A	AB6
DI 4609	Berlin/Tegel	1955	D	733
KL 1798	Amsterdam	2000	D	F70