



HLR -310FL/118FL



ATEX Explosion Proof Certification:

China's first ATEX II C-T6 Explosion Proof certified laboratory refrigerator. The verification acknowledged by authoritative organization makes Haier's product more reliable.

- All Around Explosion Proof:
- The product equips with overcurrent and overvoltage protection system. It also equips with explosion proof fan for precise safety and protection.
- Multiple Alarms
- Include high and low temperature alarms, door open alarm, etc. The refrigerator can be remotely monitored and will alert users rapidly.
- Precise Temperature Control:
 - Internal temperature variation is within 3°C. The professional temperature control ensures stable refrigerator temperature at all time.



Haier Medical and Laboratory Products Co.,Ltd

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Main Uses To store chemical or experiment reagents which are easily flammable, explosive, evaporative, corrosive, etc. It is suitable for institutional laboratories, research facilities, etc.

Product Advantages





All around explosion proof with ATEX II C-T6 E.U. **Explosion Proof Certification.**

Use antistatic liner, gasket and explosion proof fan motor. Equip with overcurrent and overvoltage protection system to provide explosion proof. China's first ATEX II C-T6 Explosion Proof certified laboratory refrigerator ensures profession and acknowledgement.



3-16°C wide temperature range with precise control to prevent freezing.

3-16°C wide range temperature adjustment. Intelligent temperature control system keeps internal temperature variation within 3°C for great temperature uniformity.



One Key Search for Convenient Checking

Historical temperature data can be saved and checked by pressing only one key for convenient laboratory inspection.



Ergonomic Design



HC Cooling Saves Half Energy

The hydro carbon cooling system has twice the cooling efficiency and saves half the energy.



Glass Shelves

Tempered glass shelves can storeover 40kg of various sized reagent bottle.



Low Noise

Ultra quiet fan motor with noise cancelling technology makes the entire refrigerator's noise lower than 40 decibels for a quiet and comfortable lab environment.



Dual Lock Design with Multiple Alarm System

The door comes with a mortise lock. A padlock can also be installed. The system has high and low temperature, open door, and sensor error alerting functions for better safety.





Cabinet Structure





Glass Shelve





ATEX Certification Label





Explosion Proof Cabinet/Fan

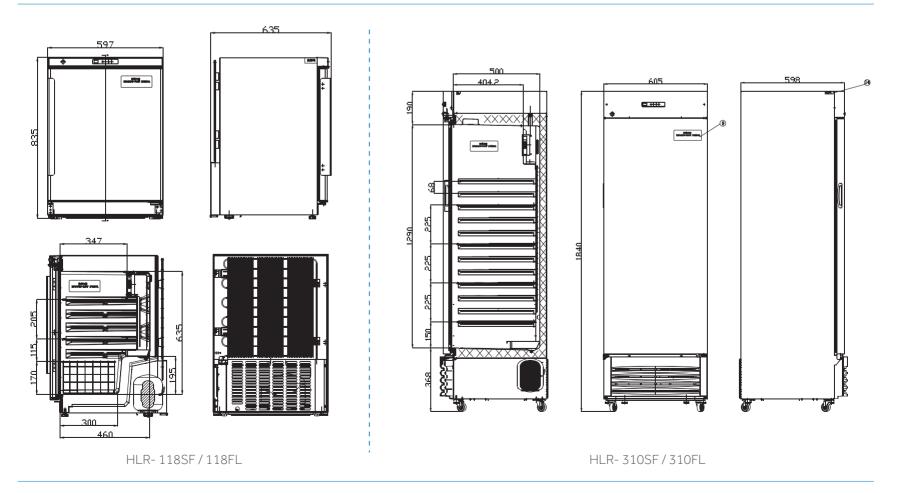


Application range

• Haier spark free refrigerators are ATEX certified in the application range II 3G Ex nA II T6, which means the appliances can be found in the whole II zone environment (including II A and II B, II C). Application can be found in almost all the biochemistry laboratory.

xplosiv	e-proof Rating											
1	Coal mine (gas)											
IIC	hydrogen water gas	ethyne		carbon disulfide	ethyl nitrate							
IJВ	Allylene Acrylonitrile dimethyl ether hydrogen cyanide city gas	butadiene epoxy acetylene Ethylene furan	dimethyl ether Acrolein hydrogen sulfide	butyl oxide diethyl ether Ethyl methyl ether tetrafluoroethylene								
ΠA	methane, methylbenzene, methyl ester, ethane, dimethylmethane, acetone, crylic acid, benzene, styrene, carbonic oxide, acetic ether, acetic acid, chlorobenzene, methyl acetate, ammonia	methyl alcohol , ethyl alcohol , ethylbenzene , propyl alcohol , propylene , butanol , butane , n-butyl acetate , amyl acetate , cyclopentane	Pentane, amyl alcohol, hexane, hexyl alcohol, heptane, octane, cyclohexylethanoids, turpentine oil, naphtha, oil (including gasoline), fuel oil, Pentaerythrityl tetrachloride	Acetaldehyde trimethylamine		ethyl nitrite						
Ш	Dust envi	ronment				Temperat						
	T1(450°C)	T2(300°C)	T3(200°C)	T4(135°C)	T5(100°C)	T6(85°C)						

Product Dimension Drawings







Model			HLR-118SF	HLR-310SF	HLR-118FL	HLR-310FL
Parameters						
	Туре		Under-Counter	Upright	Under-Counter	Upright
	Climate Class		N, ST	N, ST	N, ST	N, ST
	Cooling Type		Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling
Technical Data	Defrost Mode		Auto	Auto	Auto	Auto
	Refrigerant		R134a	R600a	R134a	R600a
	Noise((dB(A))		38	40	38	40
	Temperature Range(°C)		3~16°C Adjustable	3~16°C Adjustable	3~16°C Adjustable	3~16°C Adjustable
Performance	Ambient Temperature(°C)		16~38°C	16~38°C	16~38°C	16~38°C
	Controller		Microprocessor	Microprocessor	Microprocessor	Microprocessor
Control	Display		LED	LED	LED	LED
	Power Supply(V/HZ)		220	220	220	220
Electrical Data						210
Electrical Data	Electrical Current(A)		150	210	150	
			1.03	1.26	1.03	1.26
	Capacity(L/Cu.Ft)		118	310	118	310
	Net/Gross Weight(approx) Interior Dimension(W*D*H)	(kg)	44/49	72/83	44/49	72/83
		(lbs)	97/108	158.7/183	97/108	158.7/183
		(mm)	515×415×630	560×500×1290	515×415×630	560×500×1290
Dimension		(in)	20.3×16.3×24.8	22.0×19.7×50.8	20.3×16.3×24.8	22.0×19.7×50.8
	Exterior Dimension(W*D*H)	(mm)	597×635×835	605×598×1840	597×635×835	605×598×1840
	Exterior Dimension(W D H)	(in)	23.5×25×32.9	23.8×23.6×73.6	23.5×25×32.9	23.8×23.6×73.6
	Packing Dimonsion(W*D*H)	(mm)	608×690×910	660×670×2020	608×690×910	660×670×2020
	Packing Dimension(W*D*H)	(in)	26.8×27.2×35.8	26×26.4×79.5	26.8×27.2×35.8	26×26.4×79.5
	Container Load(20'/40'/40'H)	48/102/102	27/57/57	48/102/102	27/57/57
	High/Low Temperature		Υ	Υ	Υ	Υ
	Power Failure		Optional	Optional	Optional	Optional
Functions	Sensor Error		Υ	Υ	Υ	Υ
	Door Ajar		Υ	Y	Υ	Υ
	Remote Alarm		Optional	Optional	Optional	Optional
	Caster		4	4	4	4
	Foot		2	2	2	2
	Shelves/Baskets		2/1	4/0	2/1	4/0
Accessories			1	1	1	1
	Water tray		1	1	1	1
	Padlock Adapter Kit/Quantity		7	1	7	_
	Built-in Key Door Lock/Quan	tity	2	2	2	2
Others	Certificate		CE ATEX	CE ATEX	CE ATEX	CE ATEX
Temperature Se	3		Password Protection	Password Protection	Password Protection	Password Protection
Temperature Se			1 Resistance Thermometer	1 Resistance Thermometer	1 Resistance Thermometer	1 Resistance Thermometer
	+! / I-\A/I- /O AI- \			1.4		
Power Consump	ption (kwn/24n)		0.8	1.4	0.8	1.4
Material				1.4	0.8	
Material			0.8 Sprayed Cold Plate	Sprayed Cold Plate	0.8 Sprayed Cold Plate	1.4 Sprayed Cold Plate
Material Exterior Materia	al					Sprayed Cold Plate
Material Exterior Materia Interior Material	al		Sprayed Cold Plate	Sprayed Cold Plate	Sprayed Cold Plate	Sprayed Cold Plate Antistatic PS Plate/Black
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