Haier Biomedical
Intelligent Protection of Life Science

Spark Free Freezer

DW-30L298SF/FL

Explosion Proof Interior

Green and Environmental Friendly

Low Noise Design

Scope of Application

It can be used for safe storage of potentially flammable items and other temperature sensitive samples at low temperatures.
Applications found within life science, medical, electronics and chemical industries.

Innovative Design

- ◎ Microprocessor-controlled system
- ◎ Adjustable shelves
- ◎ Variety of configurations available
- ◎ Safety lock
- ◎ Feet and casters

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Product Advantages

Explosion Proof Interior
ATEX II C-T6 Certified with spark-free interior.

Superior Temperature Uniformity
The temperature uniformity is ±3°C with a setting temperature of -30°C, ensuring precision and reliability.

High-efficiency and Energy-saving Compressor and System
High-efficiency hydrocarbon compressor, optimized refrigeration system and low power consumption usage will save both energy and costs.

Green and Environmental Friendly
Hydrocarbon refrigerant, energy saving and environmental protection, built with LBA foam insulation, complies with European RoHS Directive.

Low Noise Design
Experience a noise-free environment with noise-reduction features and structurally designed noise reduction system.

Multiple Alarm Functions
High/Low temperature, door ajar, power failure, sensor error, high ambient temperature alarm.

The remote alarm interface lets you stay updated and receive alerts both audibly and through flashing lights.

DW-30L298SF

DW-30L298FL

Anti-static operating instruction
1. Clean plastic parts with a damp cloth only.
2. Do not use a dry cloth to clean plastic parts.
3. Danger of sparks due to electrostatic discharge.
4. Warning - potential electrostatic charging hazard - see instructions.

WARNING

Laboratory Deep Freezer with explosion-proof interior
Interior Temp. Range : -10 ~ -30℃ (DW-30L298FL/SF)

Internal ⟨Ex⟩ II3/- G Ex ic IIC T6 Gc

Certification No.:CML 18ATEX4058X
Serial No.:In the Barcode
Qingdao Haier Biomedical Co., Ltd.

Ergonomic Design

Microprocessor-controlled System

Microprocessor control with LCD temperature display precision at 0.1°C. Internal temperature is adjustable from -10°C to -30°C

Variety of Configurations Available

Standard: DW-30L298SF interior material is PCM with 3 plastic coated wire shelves, DW-30L298FL interior material is SUS with 3 chrome-plated wire shelves

Optional: stainless steel shelves, drawer, temperature recorder, RS485 or USB (one out of two)

Adjustable Shelves

The adjustable shelves ensure the maximum usage efficiency of the internal space, and users can store items of different sizes as needed
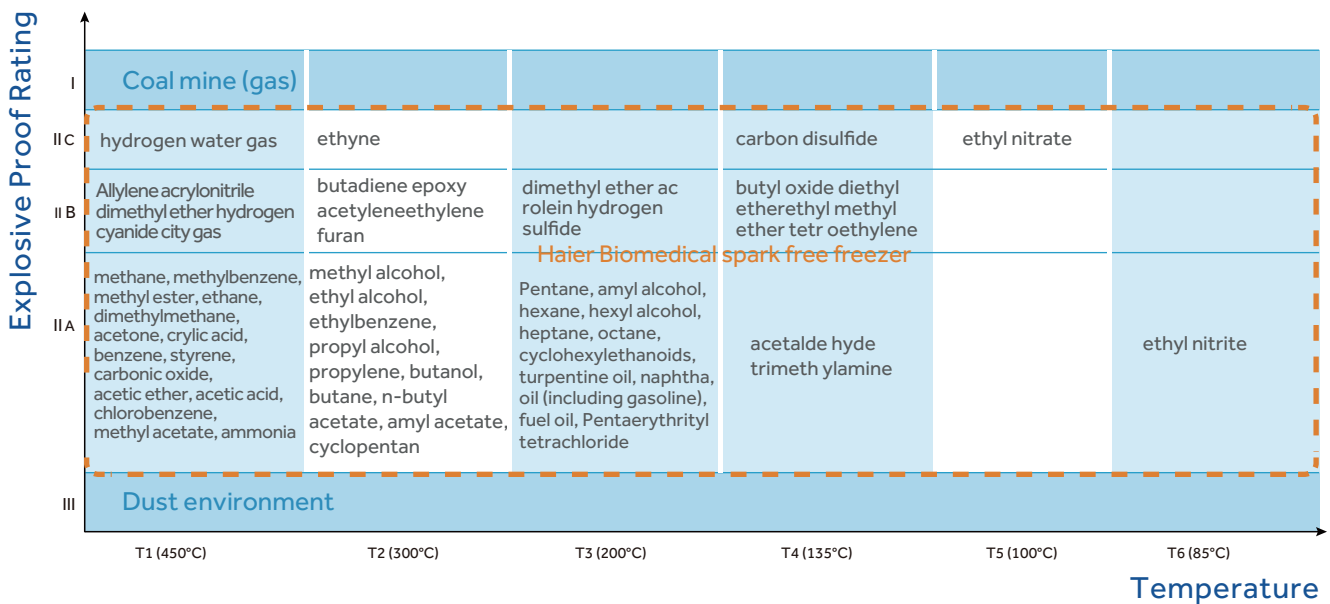
Improved Handle Design

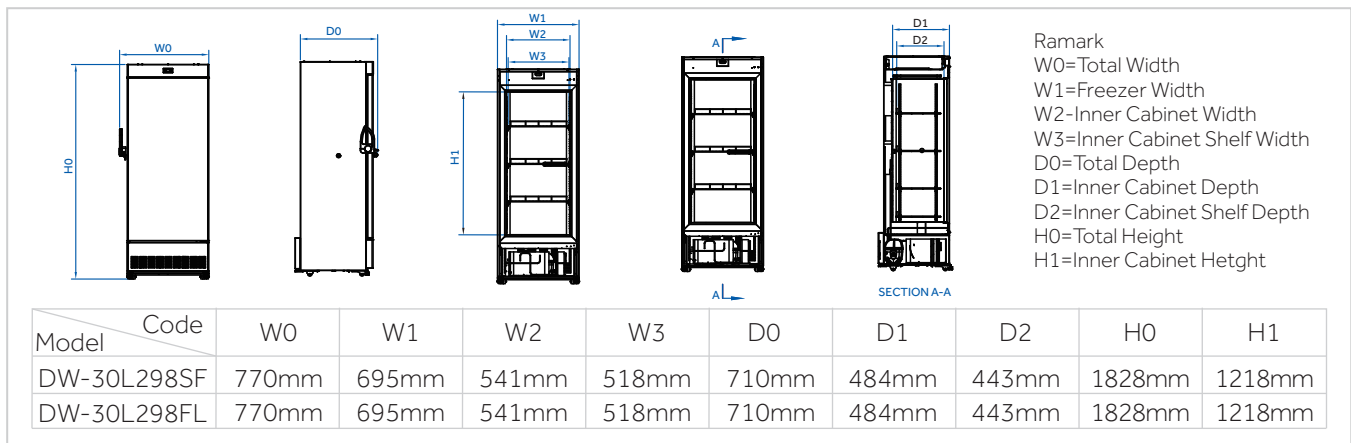The ergonomic chamfer design of the handle ensures smooth operation and maximum durability

Feet and Casters

4 back-and-forth casters and 2 adjustable feet for easy moving and leveling

Application range

Explosive Proof Rating	T1 (450°C)	T2 (300°C)	T3 (200°C)	T4 (135°C)	T5 (100°C)	T6 (85°C)
I	Coal mine (gas)					
II C	hydrogen water gas	ethyne		carbon disulfide	ethyl nitrate	
II B	Allylene acrylonitrile dimethyl ether hydrogen cyanide city gas	butadiene epoxy acetyleneethylene furan	dimethyl ether ac rolein hydrogen sulfide	butyl oxide diethyl etherethyl methyl ether tetr oethylene		
II A	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, cyclopentan	Pentane, amyl alcohol, hexane, hexyl alcohol, heptane, octane, cyclohexylethanoids, turpentine oil, naphtha, oil (including gasoline), fuel oil, Pentaerythrityl tetrachloride	acetalde hyde trimeth ylamine		ethyl nitrite
III	Dust environment					

Haier Biomedical spark free freezer

Temperature

Product Dimension Drawings

Ramark
W0=Total Width
W1=Freezer Width
W2-Inner Cabinet Width
W3=Inner Cabinet Shelf Width
D0=Total Depth
D1=Inner Cabinet Depth
D2=Inner Cabinet Shelf Depth
H0=Total Height
H1=Inner Cabinet Hetght

Model / Code	W0	W1	W2	W3	D0	D1	D2	H0	H1
DW-30L298SF	770mm	695mm	541mm	518mm	710mm	484mm	443mm	1828mm	1218mm
DW-30L298FL	770mm	695mm	541mm	518mm	710mm	484mm	443mm	1828mm	1218mm

Specifications

Model		DW-30L298SF	DW-30L298FL
Technical Data	Cabinet Type	Upright	Upright
	Climate Class	SN N	SN N
	Cooling Type	Direct Cooling	Direct Cooling
	Defrost Mode	Manual	Manual
	Refrigerant	HC	HC
	Sound Level (dB(A))	41	41
Performance	Cooling Performance (°C)	-30	-30
	Temperature Range (°C)	-10~-30	-10~-30
Control	Controller	Microprocessor	Microprocessor
	Display	LCD	LCD
Electrical Data	Power Supply (V/Hz)	220~240/50	220~240/50
	Electrical Current (A)	2.5	2.5
Dimensions	Capacity (L/Cu.Ft)	298/10.5	298/10.5
	Net/Gross Weight (approx) (kg)	125/140	125/140
	Net/Gross Weight (approx) (lbs)	275.6/308.6	275.6/308.6
	Interior Dimension (W*D*H) (mm)	541*443*1218	541*443*1218
	Interior Dimension (W*D*H) (in)	21.3*17.4*48.0	21.3*17.4*48.0
	Exterior Dimension (W*D*H) (mm)	770*710*1828	770*710*1828
	Exterior Dimension (W*D*H) (in)	30.3*28.0*72.0	30.3*28.0*72.0
	Packing Dimension (W*D*H) (mm)	840*770*2000	840*770*2000
	Packing Dimension (W*D*H) (in)	33.1*30.3*78.7	33.1*30.3*78.7
	Container Load (20'/40'/40'H)	21/42/42	21/42/42
Alarms	High/Low Temperature	Y	Y
	Remote Alarm	Y	Y
	Power Failure	Y	Y
	Sensor Error	Y	Y
	Low Battery	N	N
	High Ambient Temperature	Y	Y
	Dirty Condenser	N	N
	Door Ajar	Y	Y
Accessories	Castor	Y	Y
	Leveling Feet	Y	Y
	Porthole	N	N
	Drawers/Inner Doors	Optional/N	Optional/N
	Adjustable Shelves	Y (3)	Y (3)
	USB Interface	Optional	Optional
	RS485	Optional	Optional
	NFC	N	N
	Temperature Recorder	N	N
Others	Certificate	ATEX explosion proof certificate,CE	ATEX explosion proof certificate,CE

*Haier Biomedical reserves the right to change products and specifications without prior notice.