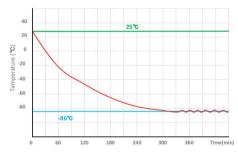




#### **KALSTEIN AUTO-CASCADE SYSTEM**



Pull down test at ambient temp.



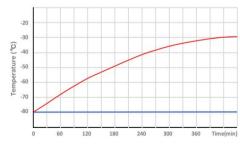
## **Super-cooling technology**

The powerful cooling system drives the unique mixed refrigeration system for fast cooling down. This system is stable, energy saving and easy maintenance.



#### **Advanced thermal insulation**

The insulation are designed with the latest generation of VIP technology to achieve thermal conductivity of 0.005 W(m.K). That makes ULTs more efficient in Insulation and less heat loss, so as to achieve the purpose of energy saving as well as spacesaving.

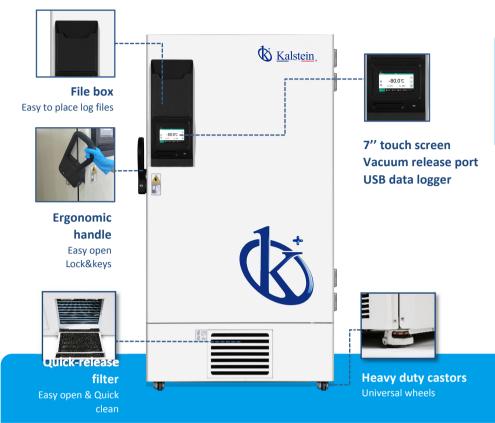


Pull up test at ambient temp. 25°C

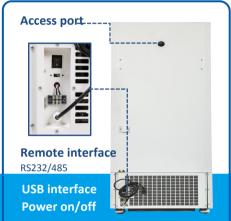


# **EXTERNAL STRUCTURE**





The ULT freezers are made of color spayed anti-bacterial and anti-corrosion cold-rolled steel. Various configurations and humanized designs bring great convenience to users.



## **FEATURERS**



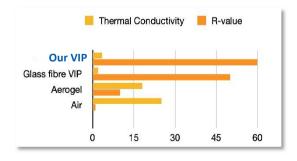
### 7" LCD touch screen

Easy operation and observation



## **Smart Operating System**

Authorities, alarms, curve & events







#### **Advanced insulation**

Fumed Silicon V.I.P & PURF



### **Multi-layer sealing**

Foamed inner doors with silicon gaskets



#### **Eco-friendly**

CFC-free refrigerant & insulation



### **Energy saving**

More efficient cooling system



# **INTERNAL STRUCTURE**





# **SPECIFICATIONS**

Basic		Refrigera	Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R4001(mixed gas)	High/low temperature	Υ	
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Υ	
Temperature range	-40°C∼-86°C	System	Auto-cascade	Abnormal voltage	Υ	
Ambient temperature	10~32℃	Sensor	PTC 100	Sensor error	Υ	
Display	LED digital	Compressor brand/QTY	SECOP/2	Door ajar	Υ	
Access port QTY/Dia.	1/25mm	Capacity(L/cu.ft)	408/14.40	Filter screen check	Υ	
USB Intereface	Yes/1	Insulation	PURF+VIP	Thermostat failure	Υ	
Remote alarm Access	RS232/485	Inner door material/QTY	Foamed SUS304/2	Low battery	Υ	
Outside material	Color sprayed steel	Racks	8(5X4)+8(4X4)	Condenser clean	Υ	
nside material	SUS304	Boxes (2 Inches)	288	High ambient temperature	Υ	
Castor	Universal	Samples	28,800	Power failure backup (alarm)	72h	
			*			
Electrical Data		Dim	Dimensions		Accessories	
the desired	Commission (Commission)	- 1 1 1 1 1 1 1 1 1 1 1		Table 1 to 1 t		

Electrical Data		Dimensions		Accessories	
Voltage frequency(V/Hz)	220V 50Hz/60Hz	Package size(W*D*H)(mm)	954*955*2094	Chart recorder	Optional
Power(W)	890W	Exterior size(W*D*H)(mm)	872*1028*1945.5	Data logger	Optional
Current(A)	5.34A	Interior size(W*D*H)(mm)	606*575*1180	CO2 back up system	Optional
Power consumption	12.82KWh/24h	Shipping CBM	1.92	LN2 back up system	Optional
Noise(db)	53	N.W/G.W(kg)	268/293	Gloves	Optional

# **ACCESSORIES**











LN2/CO2 backup system

**Data logger** 

**Chart recorder** 

Racks & Boxes

Gloves