

组合型恒温恒湿室
Walk In Chamber



Advanced Technology 科技创新技术



智慧型调节发热负载

采电脑自动调整冷媒流量，有效带走待测品发热负载

Using computer to automatically adjust refrigerant flow, effectively removing the heat load of the item 「控制超音波之加湿装置」专利申请第947592号



专利技术

目前通过「控制超音波之加湿装置专利」

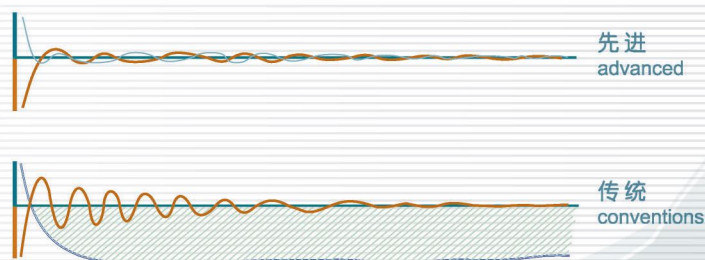
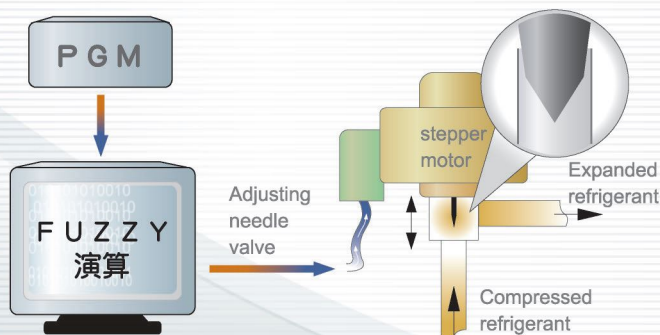
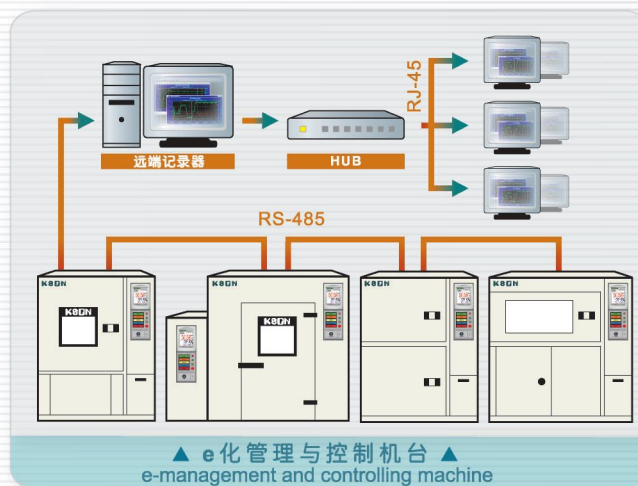
The patents on "The Dew Congealment Prevention for Constant Temperature



网络记录器

测试结果采e化管理

e-management of testing results



Key Value 核心价值

Touch Panel 彩色触控式控制器



机台维护即时掌控

故障病历软体设计

Failure records software design



常温保护设计

实验结束后，机台自动回常温贴心保护待测品

After the experiment is finished, the machine will automatically restore to normal temperature, thoughtfully protecting the tested item



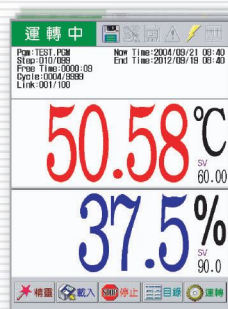
创新方便USB随身碟储存装置

透过USB随身碟即时储存资料

Using USB pen drive to store data at any time



编辑程式
Editor program



状态监视
Status monitor



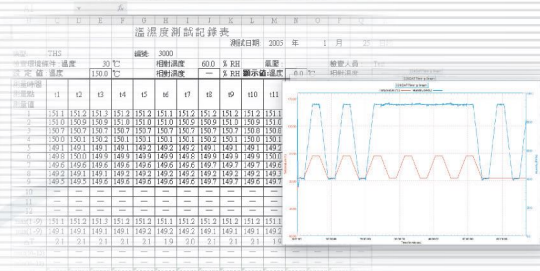
定点功能
locating function



Laboratory class

温湿度再现性、稳定性高

Reproduction ability and stability of temperature & humidity



Walk-in Chamber 发热负载表

规格 Specification 温度 / 湿度	40°C/80%	40°C/90%	40°C/92%	40°C/95%	60°C/85%	60°C/90%	60°C/95%
低发热负载 (一颗喷头+ 紧急抽排风系统)	2300	2000	1500	900	1200	900	600
中发热负载 (二颗喷头+ 紧急抽排风系统)	4000	3600	3000	2600	3300	3000	2500
高发热负载 (三颗喷头+ 紧急抽排风系统)	6000	5500	5000	4500	4800	4000	3000



紧急应变装置

实验过程中，断电时采备援电力启动紧急抽排风系统
(有效降低箱内温度，确保待测品与箱体之安全性)

Using back-up power to activate the emergency exhaust/discharge air system in case of power failure during the experiment progress
(Effectively decreasing the internal temperature within the chamber to ensure the safety of the tested item and the chamber.)



可靠度时序控制 & 安全设计

可程式控制待测品ON/OFF设计，可与机台同步断电保护设备 & 待测品

The programmable ON/OFF design to control the tested item. Synchronized power-off with the machine to protect the equipment & the tested item



主动检测控制系统

主动检测控制器，采通讯传输CHECK SUM 检查

Automatic check controller, using telecommunication transmission CHECK SUM verification

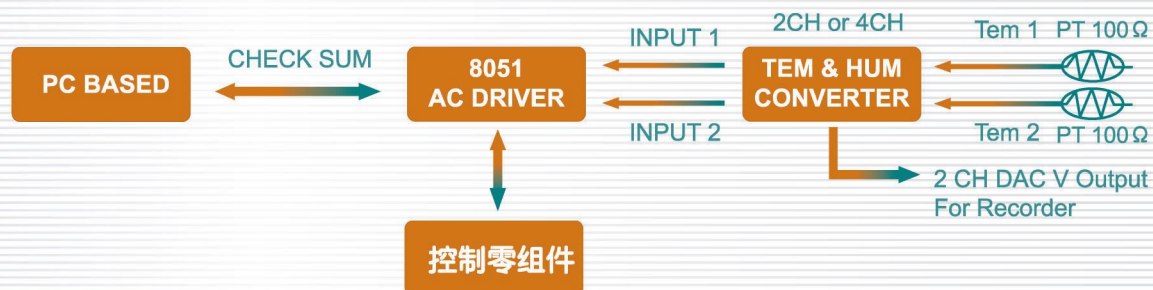
時序控制

SET	ON(sec)	OFF(sec)	SET	ON(sec)	OFF(sec)
01	FULL ON		06	25	2
02	10	2	07	8	3
03	5	1	08	35	5
04	3	1	09	40	2
05	30	5			

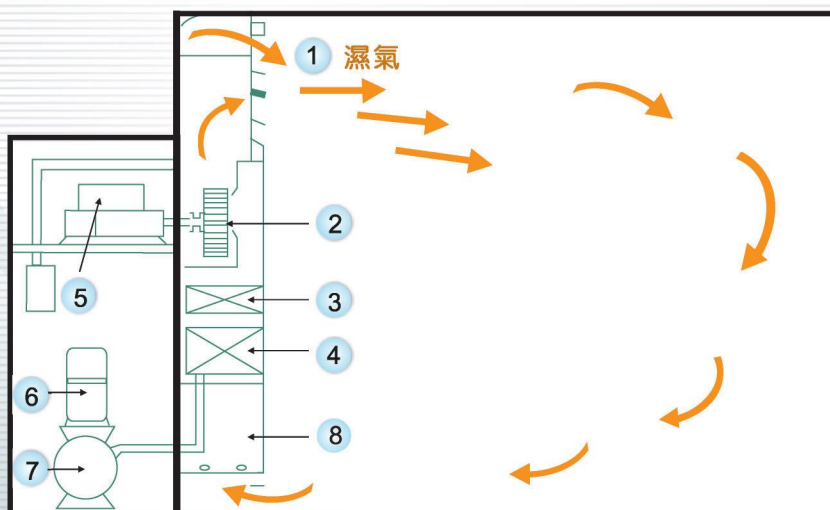
EXIT

▲ 可程式控制时序接点 ▲
Programmable controlling timing Junction

检测控制系统架构 Checking and testing control system Structure



控制系统图 Control system diagram



- 1 温湿度感测器
Temperature humidity sensor
- 2 循环风扇
Circulation fan
- 3 加热器
Heater
- 4 蒸发器
Evaporator
- 5 加湿器
Humidifier
- 6 压缩机
Compressor
- 7 水冷式冷凝器
Water-cooled condenser
- 8 超音波喷头
Ultrasonic nozzle

组合型恒温恒湿室规格表

Walk In Chamber Specification Table

规格(Specification)		KAHA-1	KAHA-2	KAHA-4	KAHB-1	KAHB-2	KAHB-4	KAHC-1	KAHC-2	KAHC-4	KAHD-1	KAHD-2	KAHD-4
温度与湿度控制(Temperature And Humidity Control)													
内箱尺寸 (Innerdimension)(W*D*H)cm		208× 203× 210	208× 203× 210	200× 195× 210	298× 203× 210	298× 203× 210	290× 195× 210	380× 203× 210	388× 203× 210	380× 195× 210	388× 293× 210	388× 293× 210	380× 285× 210
外箱尺寸 (Exter Dimension)(W*D*H)cm		330× 225× 242	330× 225× 242	330× 225× 252	420× 225× 242	420× 225× 242	440× 225× 252	510× 225× 242	510× 225× 242	540× 225× 252	510× 315× 242	510× 315× 242	540× 315× 252
内箱材料 (Interior Material)		不锈钢材质 #SUS-304 (Stainiess steel plate)											
外箱材料 (Exterior Material)		米黄色烤漆钢板 (Cream Yellow Coat Steel Board)											
箱门尺寸 (Door Size)		单门式 Single Opening Door 85 W X 180 H cm											
湿度范围 (Humid Range)		20%~95%R.H											
绝缘材料 (Insulation)		防火PU发泡 110mm (150mm)											
冷却方式 (Cooling Method)		水冷 (Water Cooled)											
温度范围	高温 (High Temperature)	80	80	80	80	80	80	80	80	80	80	80	80
	升温速率 (R.T.~ 80℃)min	60	60	60	60	60	60	60	60	60	60	60	60
	低温 (Low Temperature)	-10	-20	-40	-10	-20	-40	-10	-20	-40	-10	-20	-40
	降温速率 (R.T.~ L.T.℃)min	60	60	120	60	60	120	60	60	120	60	60	120
温度分布偏差 (Temp Variation℃)		± 1.00℃ 以内 (空载下)											
湿度分布偏差 (Humidity Variation%)		± 5%R.H 以内 (空载下)											
湿度稳定度 (Humidity stability % R.H)		± 2%R.H											
温度稳定度 (Temperature stability℃)		± 0.2℃											
电源 (Power Source)220V3相Phase		65A	70A	65A	90A	100A	110A	110A	115A	140A	160A	170A	215A
OR电源 (Power Source)380v3相Phase		40A	45A	50A	55A	60A	65A	60A	70A	85A	95A	100A	125A
控制系统	温度感知器 (Sensor)	PT 100Ω × 3											
	控制器 (Controller)	IPC Based Touch Panel											
	设定范围 (Setting Range)	Temperature: -100.00℃+200.00℃Time : 0h 1m ~ 9999h 59m Cycle : 0 Cycle ~ 9999 Cycle											
	解析度 (Resolution)	Temperature:0.01℃/Time:1min											
	输出型式 (Output Mode)	PID + PWM + SSR 控制模式 (Conrol Method)											
保护装置 (Safety Devices)		ELB 漏电断路器保护、FUSE、RC电子式突波防止保护、防止电源雷击保护、欠相与逆相保护。 控制器内部自我自动侦测保护装置：资料侦测 DATA CHEAK SUM、控制器内部高低温上下限保护。 外部故障自动侦测保护：电子式高温超温保、固定式高温超温保护、湿度断水保护与湿度电热空焚保护、压缩机冷媒压力保护及过负载保护。 故障异常发生时切断控制电源及故障视窗指示与警报输出信号处置、防止锁门扣装置。 Electric Leakage Breaker (ELB) protection, FUSE 、RC Electronic Surge protector, Electric Shock Protector, lack-phase & anti-phase Protector Controller automatic Self-detective Protection Device:DATA CHECK SUM, Controller Inner Temperature Limits Protection. Exterior Failure Auto-detecting Protection: Electronic Over-heating Protection, Fixed Over-heating Protector, fixed Over-heating Protector, humidity Water Supply Shortage Protector, Humidity Electric Overheat Protector, Compressor Refrigerant Pressure Protector And Overload Protector. When A Failure Occurs, The Control Power Will Be Cut Off With The Failure Indication On The Screen. Provides Alarm Output Signal And A Door Bolt Device To Prevent Door-lock.											
标准配件 (Accessories)		观察视窗 Observation Window(40 W x 40 H cm)、测试孔 Testing Hole(50mm) 防水防爆照明灯 (Water-proof And Explosion-proof Lamp) RO逆渗装置 (Reverse Osmosis) Device For WINDOWS 记录器软体 (Recorder Software) 伺服加湿系统 (Server Humidifier System)											
扩充性能 (Additional Capability)		低湿化学除湿轮/ e化管理系统/伺服加湿系统 Low-humidity Chemistry Dehumidifier / e Manage System / Server Humidifier System.											

※以上规格，请以实体报价为主，最终解释权规本公司所有。 For Above Accessories, Their Actual Specifications May Vary.the Right Of Final Interpretation Belongs To Our Company.

Model Code

KAH (KAT) A - 4 80 - T (OPTIONS)

LS=Low Space
LH=Ultra-Low Humidity
LN=LN Insertion Device
BS=Basic Specification
HS=High Space

Touch Panel

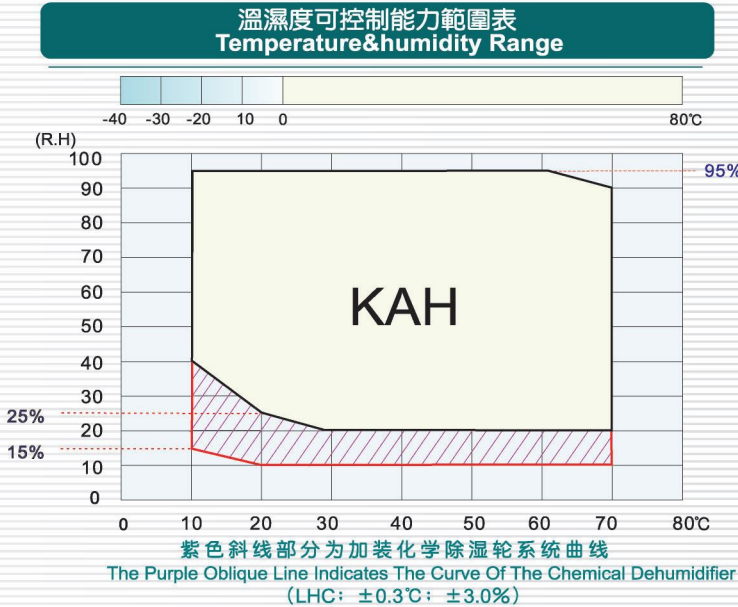
High Temperature = 80℃

Inner Dimension(WxDxH)
A=208×203×210cm
B=298×203×210cm
C=380×203×210cm
D=388×293×210cm
E=(W×D×H) cm

High-Low Temperature Room

Temperature & Humidity Room

Temperature
#1= -10℃
#2= -20℃
#4= -40℃



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-营业项目-

恒温恒湿机（标准型/超低湿型/等温型/太阳能专用/光显示器专用）/KESS应力筛选试验机/冷热冲击机（三箱气体式/二箱移动式）/热应力复合机/自然对流试验机/恒温恒湿室/高压加速寿命试验机/复合型环境试验机/智慧型高阻计/超高阻计/精密温湿度计/切换式超高电阻箱/导通电阻量测系统/数位收集系统/高速离子迁移量测系统/表面绝缘电阻量测系统/e化管理系统/预烧室/实验室机台管理系统/