2025-01

Labonce®

StabilityChambers

GREEN RESPONSIBILITY

ENERGY SAVING FREQUENCY CONVERSION,STABLE CONTROL

BEIJING LABONCE THERMOSTATIC TECHNOLOGY CO., LTD.

Labonce Group: Precision Temperature Control Solutions Since 2008.As an ISO 9001:2015 & CE certified innovator, Labonce Group delivers advanced stability testing systems to over 3,000 enterprises across 50+ countries. Our German-engineered core technology ensures uncompromising precision in:

√ Stability Chamber
√ Photostability Chamber
√ Walk-in Stability Chamber
√ Constant temperature & Humidity Chambers
√ Low-temperature Stability chamber
√ Drying Ovens & Incubators

Engineering Excellence：

- EnergySmart Technology: Achieves 50%+ reductions in energy/ water consumption (validated in pharmaceutical GMP audits)
- R&D center in Beijing Zhongguancun Science Park driving continuous innovation.

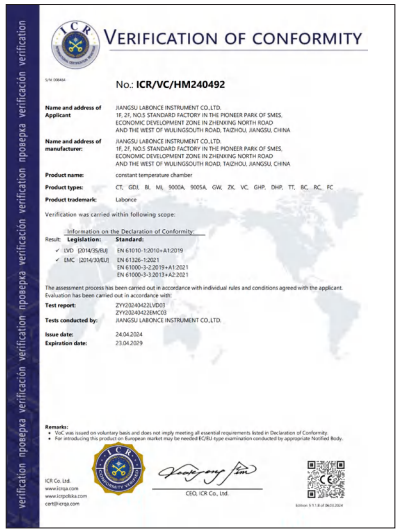
Global-Local Support：

Operational hubs in Jiangsu (ISO-certified manufacturing), Guangzhou, and Chengdu provide:

- Accelerated 72-hour service
- On-site calibration by certified technicians
- Collaborative validation protocol development

Beijing Labonce established	2008.06
Labonce First Generation Product Released	2008.09
Labonce II Product Released	2013.02
Jiangsu Labonce officially put into production	2017.05
Guangzhou Labonce established	2017.10
Chengdu Labonce established	2019.02
Third Generation Frequency Conversion Product Released	2019.11
Jiangsu XCH river established	2021.05
Fourth Generation Semiconductor Technology Project	2021.07
R&D center area	800㎡
Pharmaceutical industry customers	2000+
R&D patent	20+
Exporting countries	50+

01	Walk-in Stability Chamber
09	Stability Chamber
17	Photo-stability Chamber
19	Constant temperature chamber
20	Low Temperature Chamber
21	Biochemical incubator
22	Mold incubator
23	Constant temperature & Humidity chamber
25	Thermostatic Incubator
26	Precise Blast Drying Oven
27	Vacuum drying oven
28	High Temperature & Constant Temperature Chamber
29	High & Low Temperature And Humidity Chamber



VERIFICATION OF CONFORMITY

No.: ICR/VC/HM240492

Name and address of Applicant: JIANGSU LABONCE INSTRUMENT CO.,LTD. 1F, 2F, NO.5 STANDARD FACTORY IN THE PIONEER PARK OF SMES, ECONOMIC DEVELOPMENT ZONE IN ZHENXING NORTH ROAD AND THE WEST OF WULINGSOUTH ROAD, TAIZHOU, JIANGSU, CHINA

Name and address of manufacturer: JIANGSU LABONCE INSTRUMENT CO.,LTD. 1F, 2F, NO.5 STANDARD FACTORY IN THE PIONEER PARK OF SMES, ECONOMIC DEVELOPMENT ZONE IN ZHENXING NORTH ROAD AND THE WEST OF WULINGSOUTH ROAD, TAIZHOU, JIANGSU, CHINA

Product name: constant temperature chamber

Product types: CT, GDJ, B, ML, 9005A, 9005A, GW, ZK, VC, GHP, DHP, TT, BC, RC, FC

Product trademark: Labonce

Verification was carried within following scope:

Information on the Declaration of Conformity:

Result: Legislation: Standard:
- LVD (2014/35/EU) EN 61010-1:2010+A1:2019
- EMC (2014/30/EU) EN 61326-1:2021, EN 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021

The assessment process has been carried out in accordance with individual rules and conditions agreed with the applicant. Evaluation has been carried out in accordance with:

Test report: ZYI20240422LVD03, ZYI20240428MC09

Tests conducted by: JIANGSU LABONCE INSTRUMENT CO.,LTD.

Issue date: 24.04.2024

Expiration date: 23.04.2029

Remarks:
- ToC was issued on voluntary basis and does not imply meeting all essential requirements listed in Declaration of Conformity.
- For introducing this product on European market may be needed ICR's type examination conducted by appropriate Notified Body.

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CEO, ICR Co., Ltd.

高新技术企业

证书

企业名称：江苏兰贝石仪器有限公司

证书编号：GR202332017850

发证时间：2023 年 12 月 13 日

有 效 期：三 年

批准机关：

中华人民共和国国家版权局

计算机软件著作权登记证书

证书号：软著登字第12559111号

软 件 名 称：兰贝石温湿度监控系统 [简称：兰贝石温控系统] V1.0

著 作 权 人：江苏兰贝石仪器有限公司

开发完成日期：2023年12月01日

首次发表日期：未发表

权利取得方式：原始取得

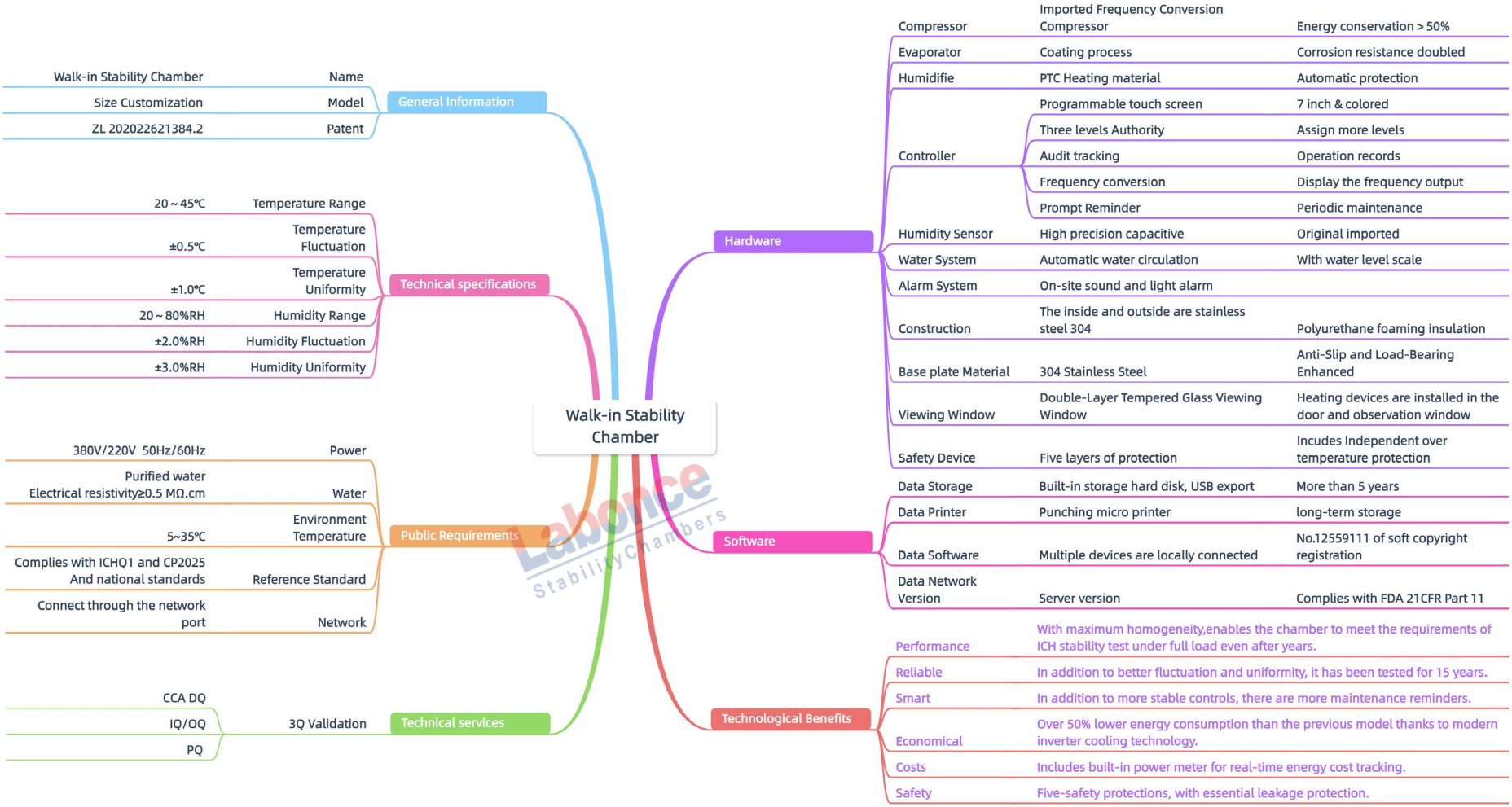
权 利 范 围：全部权利

登 记 号：2024SR0155238

根据《计算机软件保护条例》和《计算机软件著作权登记办法》的规定，经中国版权保护中心审核，对以上事项予以登记。

2024年01月23日

Walk-in Stability Chamber(Constant Temperature&Humidity Chamber)



Walk-in Stability Chamber(SPEC&MODEL)

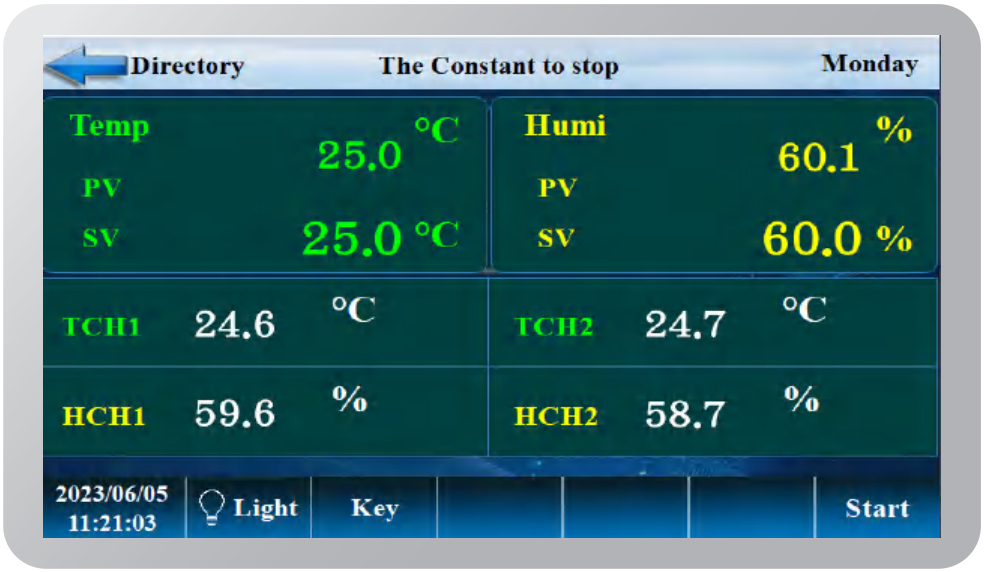
◆ 20m³~80m³

◆ Export-oriented 8m³~15m³

◆ Internal shelf

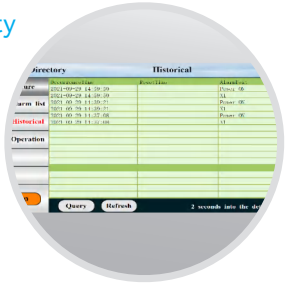
Model	Temperature Range (℃)	Humidity Range (RH)	Capacity (m^3)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Installation power (kW)	Remarks
Labonce-8000GS-FC	20 ~ 45	20 ~ 80%	8	1900×2200×2000	2050×3150×2250	5.0	Reasonable layout can be arranged according to the site customizable dimensions
Labonce-15000GS-FC	20 ~ 45	20 ~ 80%	15	1900×4000×2000	2050×4950×2250	5.5	
Labonce-20000GS-FC	20 ~ 45	20 ~ 80%	20	2200×4100×2200	2400×4300×2400	5.5	
Labonce-33000GS-FC	20 ~ 45	20 ~ 80%	33	2950×5200×2200	3150×5400×2400	6.5	
Labonce-40000GS-FC	20 ~ 45	20 ~ 80%	40	3600×5200×2200	3800×5400×2400	7.0	
Labonce-60000GS-FC	20 ~ 45	20 ~ 80%	60	4400×6400×2200	4600×6600×2400	8.0	
Labonce-80000GS-FC	20 ~ 45	20 ~ 80%	80	5800×6400×2200	6000×6600×2400	9.0	

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

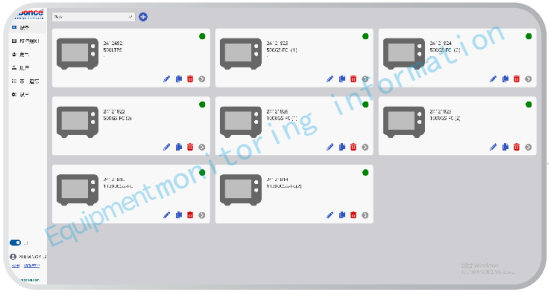


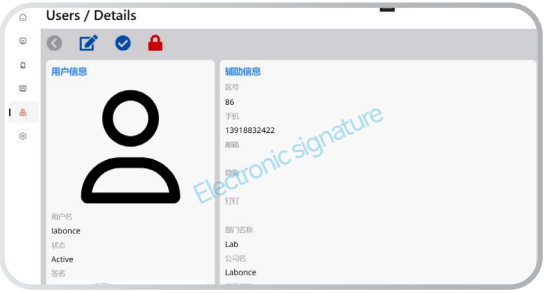
◆ Three Level Authority

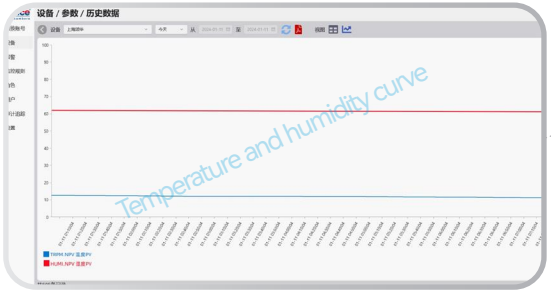
◆ Audit trail



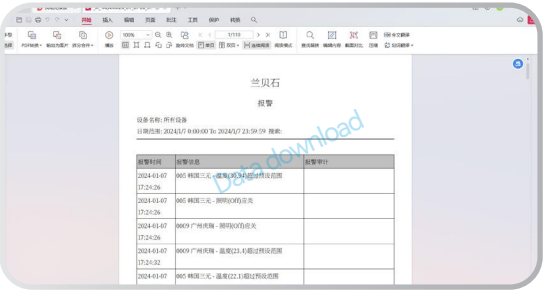
◆ Alarm Record





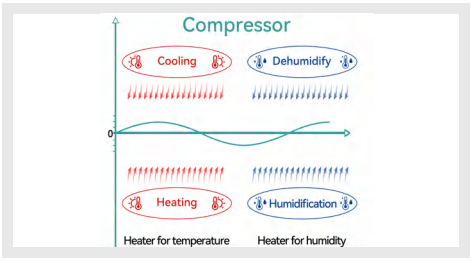


Network version
Monitoring Interface (Optional)

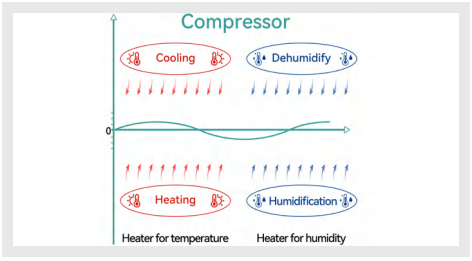


Labonce StabilityChambers

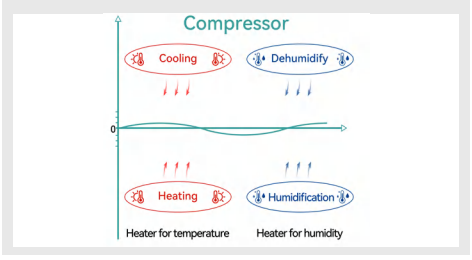
The cooling output power is 63.9%
36.1% energy saving



The cooling output power is 30.0%
70.0% energy saving

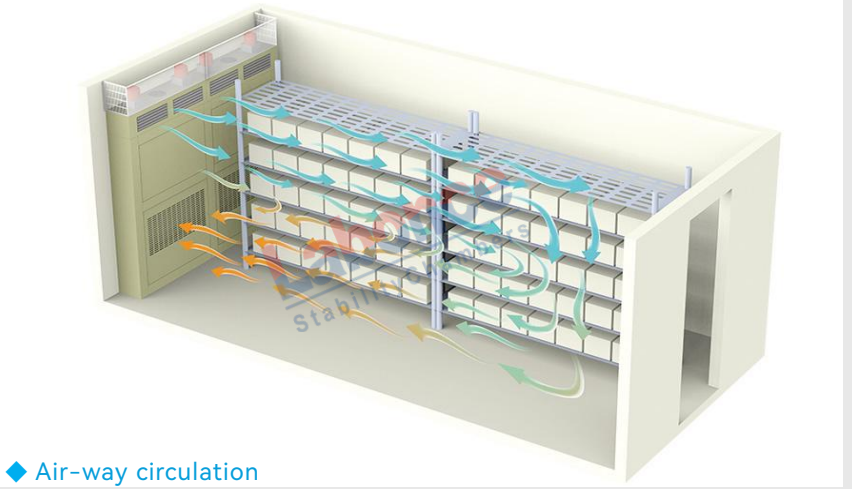


The cooling output power is 5.0%
95.0% energy saving



◆ Electric meter actual measurement

Outdoor compressor example



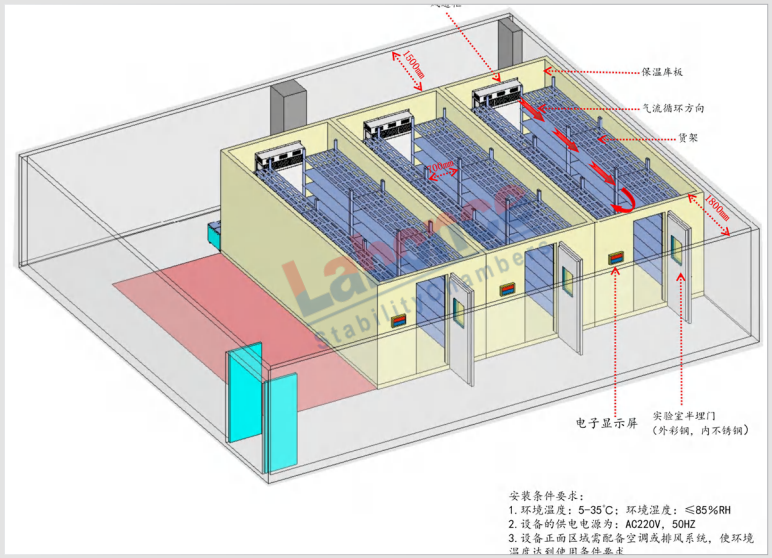
◆ Air-way circulation

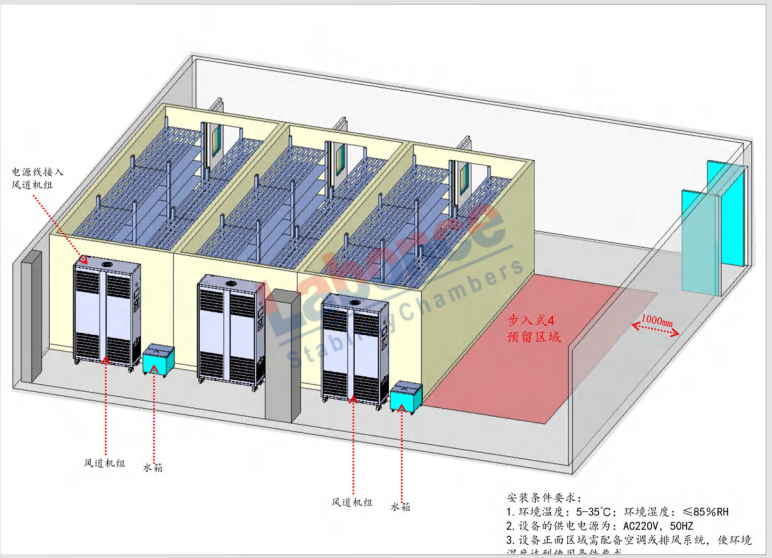
◆ 3D schematic diagram

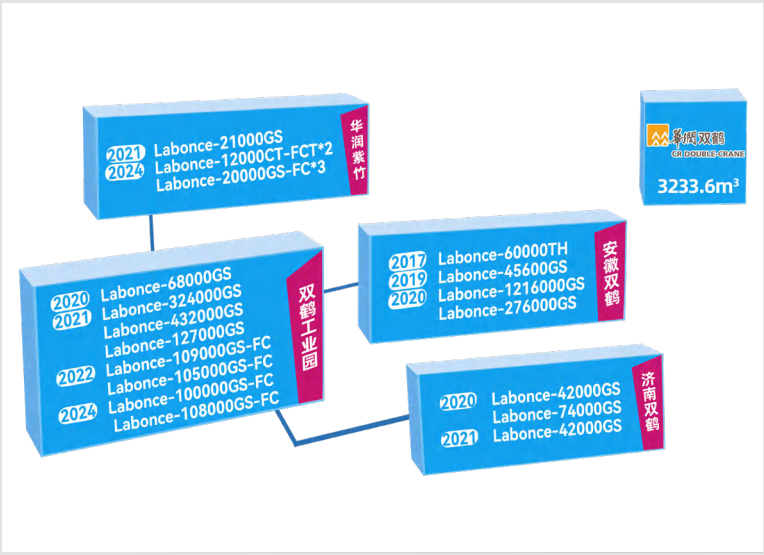
Suitable locations (first floor, second floor, rooftop, balcony, etc.)

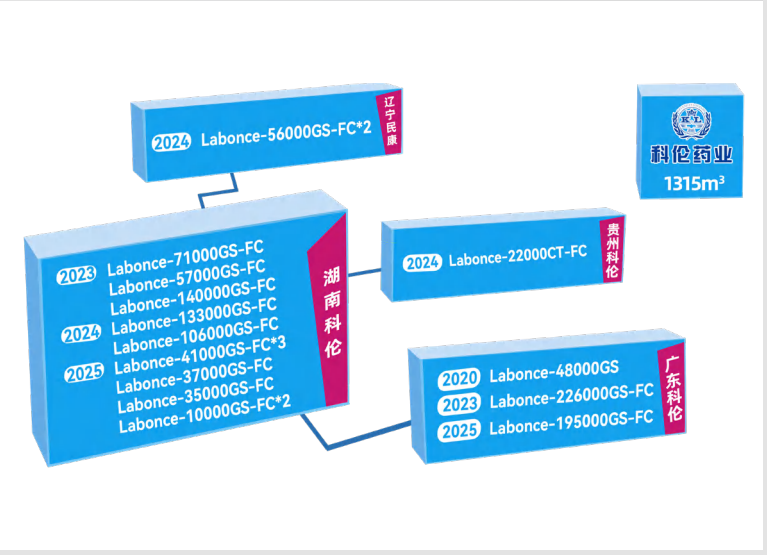
Outdoor compressors can be installed, significantly reducing indoor secondary air conditioning costs

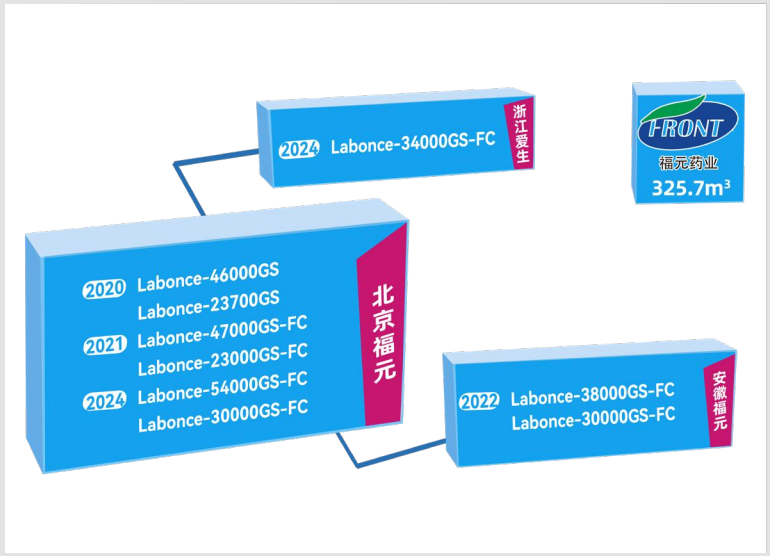
Indoor Compressor Example

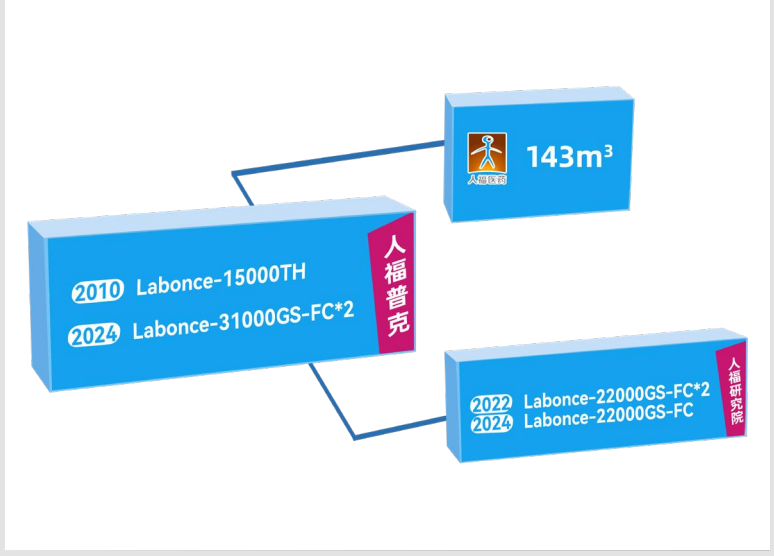


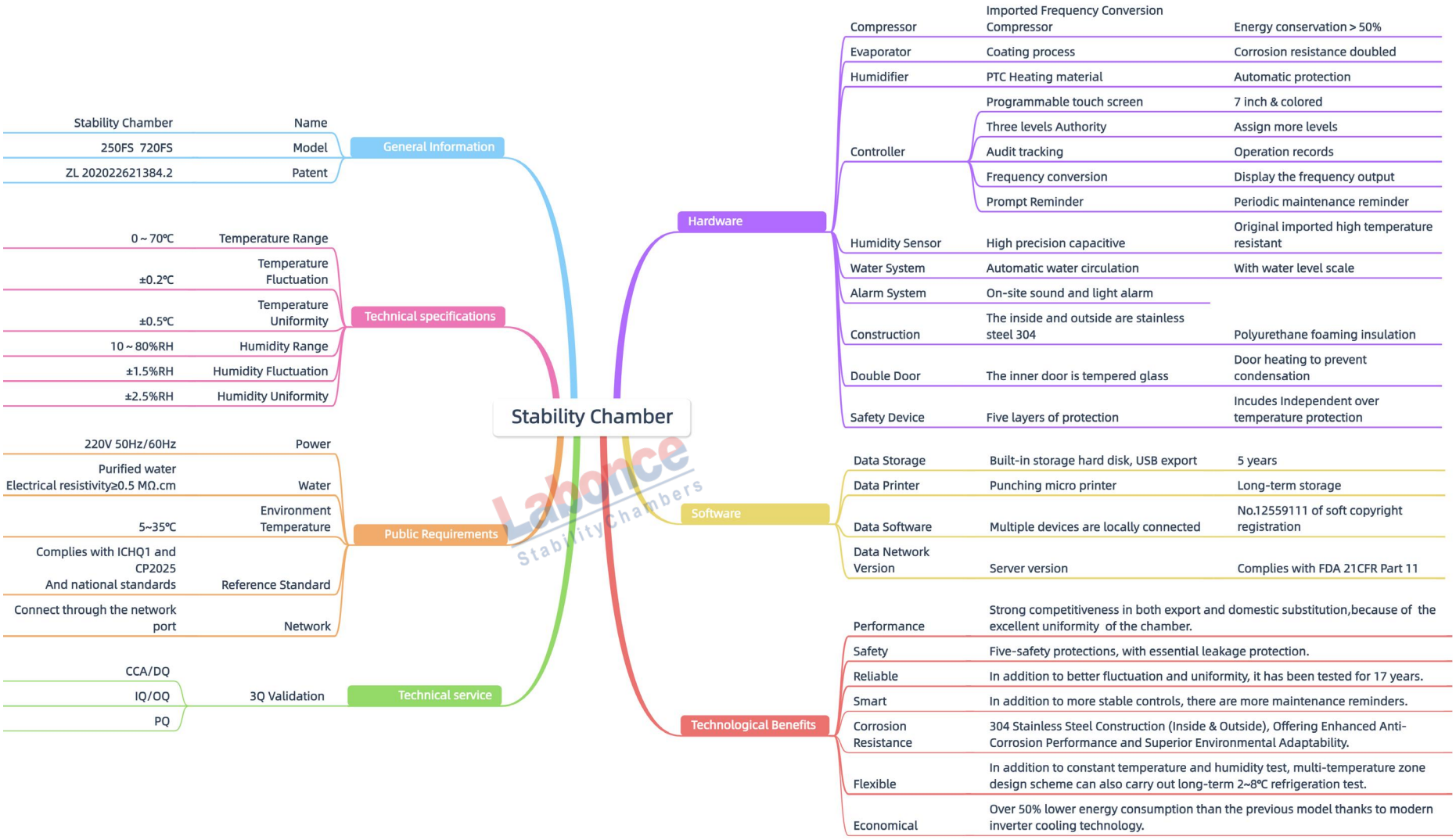


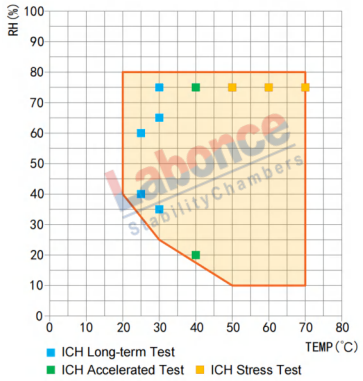

2021 Labonce-21000GS
2024 Labonce-12000CT-FCT*2
Labonce-20000GS-FC*3
华润紫竹
3233.6m³
2020 Labonce-68000GS
2021 Labonce-324000GS
Labonce-432000GS
Labonce-127000GS
2022 Labonce-109000GS-FC
Labonce-105000GS-FC
2024 Labonce-100000GS-FC
Labonce-108000GS-FC
双鹤工业园
2017 Labonce-60000TH
2019 Labonce-45600GS
2020 Labonce-1216000GS
Labonce-276000GS
安徽双鹤
2020 Labonce-42000GS
Labonce-74000GS
2021 Labonce-42000GS
济南双鹤


2024 Labonce-56000GS-FC*2
辽宁民康
科伦药业
1315m³
2023 Labonce-71000GS-FC
Labonce-57000GS-FC
Labonce-140000GS-FC
2024 Labonce-133000GS-FC
Labonce-106000GS-FC
2025 Labonce-41000GS-FC*3
Labonce-37000GS-FC
Labonce-35000GS-FC
Labonce-10000GS-FC*2
湖南科伦
2024 Labonce-22000CT-FC
贵州科伦
2020 Labonce-48000GS
2023 Labonce-226000GS-FC
2025 Labonce-195000GS-FC
广东科伦


2024 Labonce-34000GS-FC
浙江爱生
FRONT
福元药业
325.7m³
2020 Labonce-46000GS
Labonce-23700GS
2021 Labonce-47000GS-FC
Labonce-23000GS-FC
2024 Labonce-54000GS-FC
Labonce-30000GS-FC
北京福元
2022 Labonce-38000GS-FC
Labonce-30000GS-FC
安徽福元


143m³
2010 Labonce-15000TH
2024 Labonce-31000GS-FC*2
人福普克
2022 Labonce-22000GS-FC*2
2024 Labonce-22000GS-FC
人福研究院


Stability Chamber
General Information
Name: Stability Chamber
Model: 250FS 720FS
Patent: ZL 202022621384.2
Technical specifications
Temperature Range: 0 ~ 70℃
Temperature Fluctuation: ±0.2℃
Temperature Uniformity: ±0.5℃
Humidity Range: 10 ~ 80%RH
Humidity Fluctuation: ±1.5%RH
Humidity Uniformity: ±2.5%RH
Public Requirements
Power: 220V 50Hz/60Hz
Water: Purified water Electrical resistivity≥0.5 MΩ.cm
Environment Temperature: 5~35℃
Reference Standard: Complies with ICHQ1 and CP2025 And national standards
Network: Connect through the network port
Technical service
3Q Validation: CCA/DQ, IQ/OQ, PQ
Hardware
Compressor: Imported Frequency Conversion Compressor — Energy conservation > 50%
Evaporator: Coating process — Corrosion resistance doubled
Humidifier: PTC Heating material — Automatic protection
Controller: Programmable touch screen — 7 inch & colored
Three levels Authority — Assign more levels
Audit tracking — Operation records
Frequency conversion — Display the frequency output
Prompt Reminder — Periodic maintenance reminder
Humidity Sensor: High precision capacitive — Original imported high temperature resistant
Water System: Automatic water circulation — With water level scale
Alarm System: On-site sound and light alarm
Construction: The inside and outside are stainless steel 304 — Polyurethane foaming insulation
Double Door: The inner door is tempered glass — Door heating to prevent condensation
Safety Device: Five layers of protection — Incudes Independent over temperature protection
Software
Data Storage: Built-in storage hard disk, USB export — 5 years
Data Printer: Punching micro printer — Long-term storage
Data Software: Multiple devices are locally connected — No.12559111 of soft copyright registration
Data Network Version: Server version — Complies with FDA 21CFR Part 11
Technological Benefits
Performance: Strong competitiveness in both export and domestic substitution,because of the excellent uniformity of the chamber.
Safety: Five-safety protections, with essential leakage protection.
Reliable: In addition to better fluctuation and uniformity, it has been tested for 17 years.
Smart: In addition to more stable controls, there are more maintenance reminders.
Corrosion Resistance: 304 Stainless Steel Construction (Inside & Outside), Offering Enhanced Anti-Corrosion Performance and Superior Environmental Adaptability.
Flexible: In addition to constant temperature and humidity test, multi-temperature zone design scheme can also carry out long-term 2~8℃ refrigeration test.
Economical: Over 50% lower energy consumption than the previous model thanks to modern inverter cooling technology.



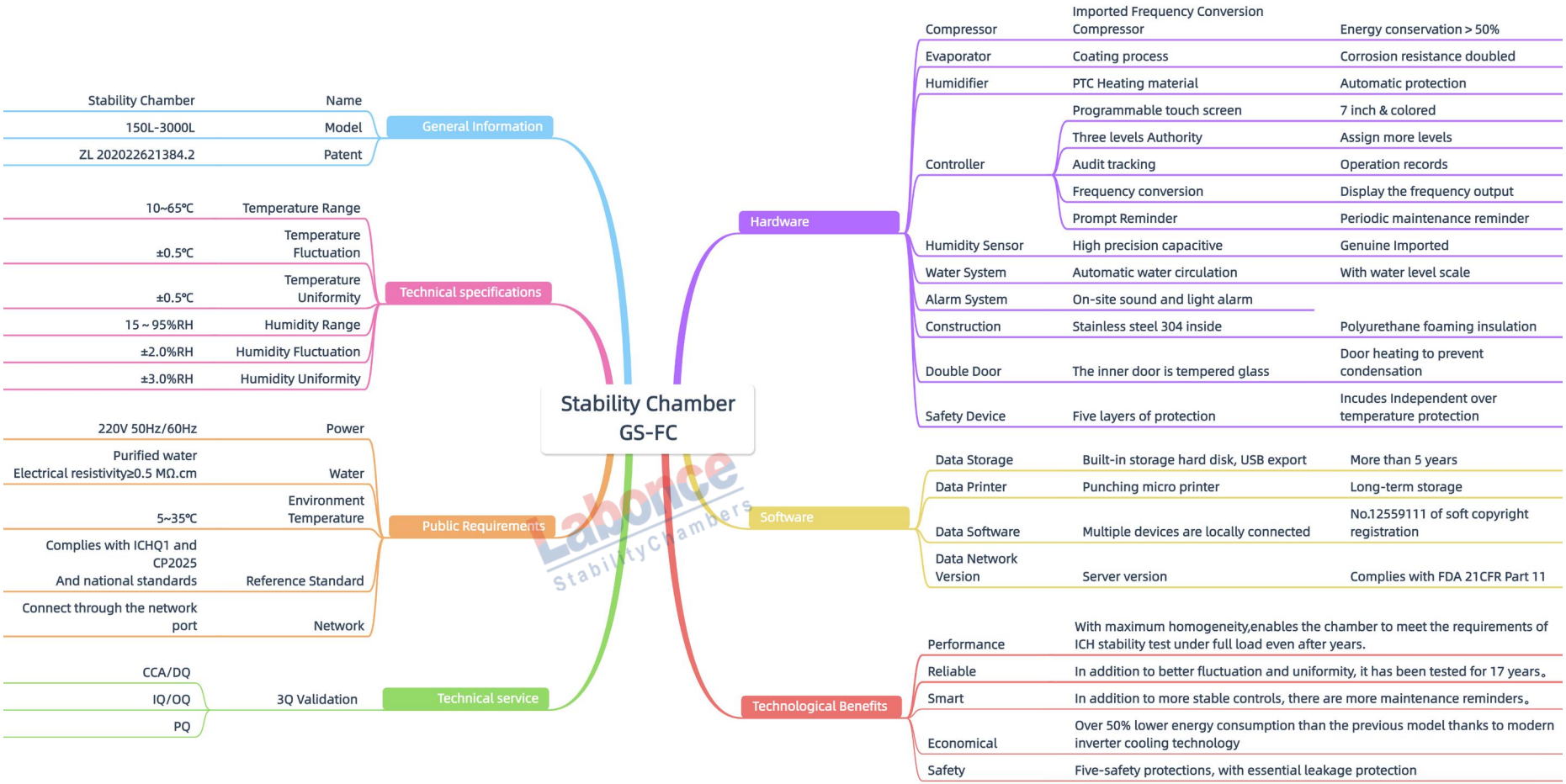
◆ Temperature and humidity control range diagram

◆ Inner tank

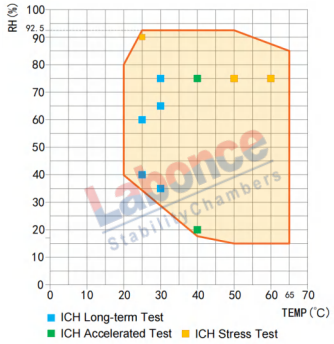
◆ 720FS

Name	Model	Temperature Range (℃)	Humidity Range (RH)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)
Stability Chamber	Labonce-250FS	0 ~ 70	10 ~ 80%	250	600×500×830	780×880×1650	1.8	3/7
	Labonce-720FS	0 ~ 70	10 ~ 80%	700	975×575×1250	1280×880×1940	2.5	4/8
High-precision constant temperature test chamber	Labonce-250FT	0 ~ 70	N/A	250	600×500×830	780×880×1650	1.3	3/7
	Labonce-720FT	0 ~ 70	N/A	700	975×575×1250	1280×880×1940	2.0	4/8

All indicators on this color page were measured at an ambient temperature of 20~25℃ .


Stability Chamber GS-FC
General Information
Stability Chamber Name
150L-3000L Model
ZL 202022621384.2 Patent
Technical specifications
10~65℃ Temperature Range
±0.5℃ Temperature Fluctuation
±0.5℃ Temperature Uniformity
15 ~ 95%RH Humidity Range
±2.0%RH Humidity Fluctuation
±3.0%RH Humidity Uniformity
Public Requirements
220V 50Hz/60Hz Power
Purified water Electrical resistivity≥0.5 MΩ.cm Water
5~35℃ Environment Temperature
Complies with ICHQ1 and CP2025 And national standards Reference Standard
Connect through the network port Network
Technical service
CCA/DQ
IQ/OQ
PQ
3Q Validation
Hardware
Compressor Imported Frequency Conversion Compressor Energy conservation > 50%
Evaporator Coating process Corrosion resistance doubled
Humidifier PTC Heating material Automatic protection
Controller
Programmable touch screen 7 inch & colored
Three levels Authority Assign more levels
Audit tracking Operation records
Frequency conversion Display the frequency output
Prompt Reminder Periodic maintenance reminder
Humidity Sensor High precision capacitive Genuine Imported
Water System Automatic water circulation With water level scale
Alarm System On-site sound and light alarm
Construction Stainless steel 304 inside Polyurethane foaming insulation
Double Door The inner door is tempered glass Door heating to prevent condensation
Safety Device Five layers of protection Incudes Independent over temperature protection
Software
Data Storage Built-in storage hard disk, USB export More than 5 years
Data Printer Punching micro printer Long-term storage
Data Software Multiple devices are locally connected No.12559111 of soft copyright registration
Data Network Version Server version Complies with FDA 21CFR Part 11
Technological Benefits
Performance With maximum homogeneity,enables the chamber to meet the requirements of ICH stability test under full load even after years.
Reliable In addition to better fluctuation and uniformity, it has been tested for 17 years。
Smart In addition to more stable controls, there are more maintenance reminders。
Economical Over 50% lower energy consumption than the previous model thanks to modern inverter cooling technology
Safety Five-safety protections, with essential leakage protection

Stability Chamber GS-FC series(SPEC&MODEL)



◆ Temperature and humidity control range diagram

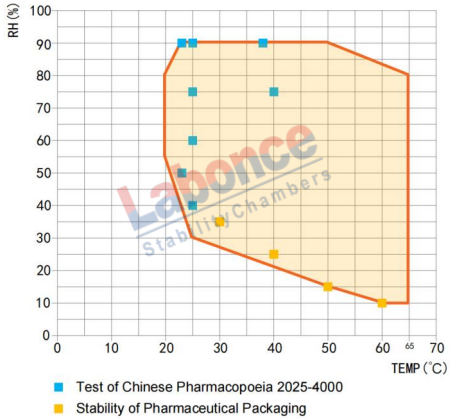
◆ 150L～500L

◆ 800L～3000L

Model	Temperature Range (℃)	Humidity Range (RH)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)	Remarks
Labonce-150GS-FC	10 ~ 65	15 ~ 95%	150	600×405×625	780×830×1480	1.5	3/6	Single-door
Labonce-250GS-FC	10 ~ 65	15 ~ 95%	250	600×500×830	780×880×1650	1.8	3/7	
Labonce-400GS-FC	10 ~ 65	15 ~ 95%	400	600×700×950	780×1060×1750	2.0	3/10	
Labonce-500GS-FC	10 ~ 65	15 ~ 95%	500	680×680×1080	860×1050×1850	2.2	4/11	
Labonce-800GS-FC	10 ~ 65	15 ~ 95%	800	1200×490×1360	1385×895×1965	2.5	4/8	Double-door
Labonce-1000GS-FC	10 ~ 65	15 ~ 95%	1000	1400×510×1400	1615×925×1975	3.0	4/8	
Labonce-1500GS-FC	10 ~ 65	15 ~ 95%	1500	1500×710×1400	1710×1180×1990	3.2	4/8	
Labonce-2000GS-FC	10 ~ 65	15 ~ 95%	2000	1500×970×1400	1710×1380×1990	3.5	4/8	
Labonce-3000GS-FC	10 ~ 65	15 ~ 95%	3000	1600×1100×1680	1810×1470×2270	3.8	4/8	

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

Stability Chamber(LGS series: Special for medicine packages)



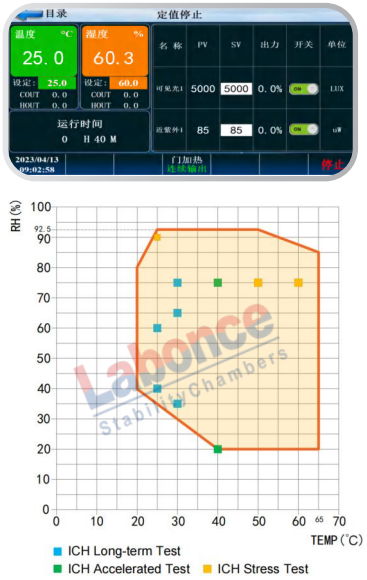
◆ Temperature and humidity control range diagram

◆ 250L～500L

◆ 520L

Model	Temperature Range (℃)	Humidity Range (RH)	Capacity (L)	Temperature Fluctuation (℃)	Temperature Deviation (℃)	Humidity Fluctuation (RH)	Humidity Deviation(RH)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)	Remarks 1
Labonce-250LGS	15 ～ 65	10 ～ 90%	250	±0.5	±1.0	±2.0%	±3.0%	600×500×830	780×880×1650	1.8	3/7	Single (Temperature+Humidity)
Labonce-500LGS	15 ～ 65	10 ～ 90%	500	±0.5	±1.0	±2.0%	±3.0%	680×680×1080	860×1050×1850	2.2	4/11	
Labonce-520LGS	15 ～ 65	10 ～ 90%	250	±0.5	±1.0	±2.0%	±3.0%	600×500×830	1610×870×1650	3.0	3/7	Two Chambers (Temperature+Humidity)
			250	±0.5	±1.0	±2.0%	±3.0%	600×500×830			3/7	
Labonce-520LCGS	15 ～ 65	10 ～ 90%	250	±0.5	±1.0	±2.0%	±3.0%	600×500×830	1610×870×1650	3.5	3/7	A(Temperature + Humidity + Visible Light + Near Ultraviolet)
			250	±0.5	±1.0	±2.0%	±3.0%	600×500×830			3/7	B(Temperature+Humidity)
Remarks 2	1) LCGS series: A chamber with temperature, humidity, visible light, UVA four functions, illuminance measurement standard with visible light and UVA sensor, the visible light value and UVA value are automatically printed and stored; visible light range: 100 ~ 8000Lux, 4500 ± 500Lux, Total illuminance of the light test is not less than 1.2×10^6Lux-hr; UVA range: 0.84 ~ 5w/ m^2, UVA total energy of not less than 200w-hr/m^2; When there is no light, the temperature and humidity indicators are the same as LGS. 2)Customizable for extreme conditions such as 25℃/20%RH or 25℃/10%RH.											

All indicators on this color page were measured at an ambient temperature of 20~25℃ .



◆ Temperature and humidity control range diagram

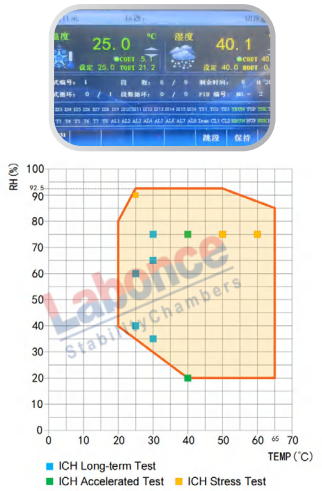
◆ Internal chamber diagram

◆ 150L~500L

Model	Temperature Range (℃)	Humidity Range (RH)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)
Labonce-150CGS-FC	15 ~ 65	20 ~ 95%	150	600×405×625	780×830×1480	1.5	3/6
Labonce-250CGS-FC	15 ~ 65	20 ~ 95%	250	600×500×830	780×880×1650	1.8	3/7
Labonce-400CGS-FC	15 ~ 65	20 ~ 95%	400	600×700×950	780×1060×1750	2.0	3/10
Labonce-500CGS-FC	15 ~ 65	20 ~ 95%	500	680×680×1080	860×1050×1850	2.2	4/11
Remarks	1) It has four functions: temperature, humidity, visible light and near ultraviolet. The illuminance measurement is equipped with visible light and near ultraviolet sensors, which realizes automatic illuminance control, and automatic printing and storage of visible light and near ultraviolet values. 2) Visible light range: 100 ~ 8000Lux, illuminance deviation: 4500 ± 500Lux, the total illuminance of the illumination test shall not be less than 1.2×10^6 Lux·hr; near ultraviolet range: 0.84 ~ 1.0 w/m^2, the total illuminance of the near ultraviolet shall not be less than 200w·hr/m^2.						

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

Multi-chamber pharmaceutical stability chamber(GS-FC Series)



◆ Temperature and humidity control range diagram

◆ 320L

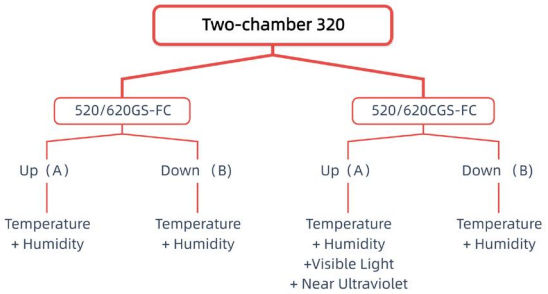
◆ 520L~620L

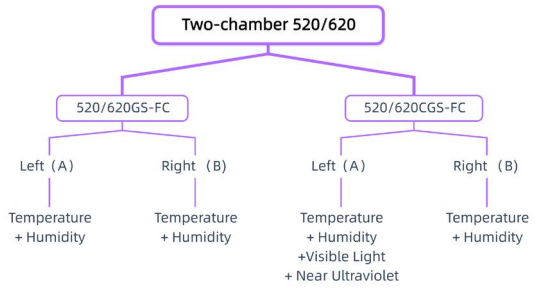
◆ 430L~930L

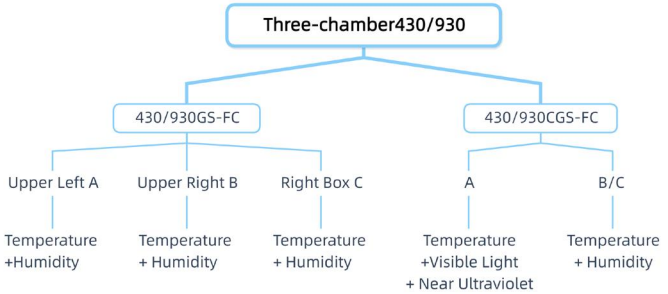
Name	Model	Temperature Range (℃)	Humidity Range (RH)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)	Chamber Structure	Remarks
Two-chamber pharmaceutical stability chamber	Labonce-320GS-FC	15 ~ 65	20 ~ 95%	150	680×500×460	860×840×1880	2.5	2/5	Up A	Temperature fluctuation: < ±0.5℃ Temperature deviation: < ±1.0℃ Humidity fluctuation: < ±2%RH Humidity deviation: < ±3%RH A /B (Temperature + Humidity)
				150	680×500×460			2/5	Down B	
	Labonce-520GS-FC	15 ~ 65	20 ~ 95%	250	600×500×830	1610×870×1650	3.0	3/7	Left A	
				250	600×500×830			3/7	Right B	
	Labonce-620GS-FC	15 ~ 65	20 ~ 95%	300	600×500×1000	1610×870×1820	3.2	3/9	Left A	
				300	600×500×1000			3/9	Right B	
Three-chamber pharmaceutical stability chamber	Labonce-430GS-FC	15 ~ 65	20 ~ 95%	100	480×420×500	1370×780×1930	3.6	1/4	Upper Left A	Temperature fluctuation: < ±0.5℃ Temperature deviation: < ±1.0℃ Humidity fluctuation: < ±2%RH Humidity deviation: < ±3%RH A /B/C (Temperature + Humidity)
				100	480×420×500			2/4	Upper Right B	
				230	480×420×1100			4/8	C	
	Labonce-930GS-FC	15 ~ 65	20 ~ 95%	220	600×700×520	1570×1060×1960	4.0	1/6	Upper Left A	
				220	600×700×520			2/6	Upper Right B	
				480	600×700×1140			4/8	Right Box C	

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

Multi-chamber integrated pharmaceutical stability chamber(GS-FC Series)



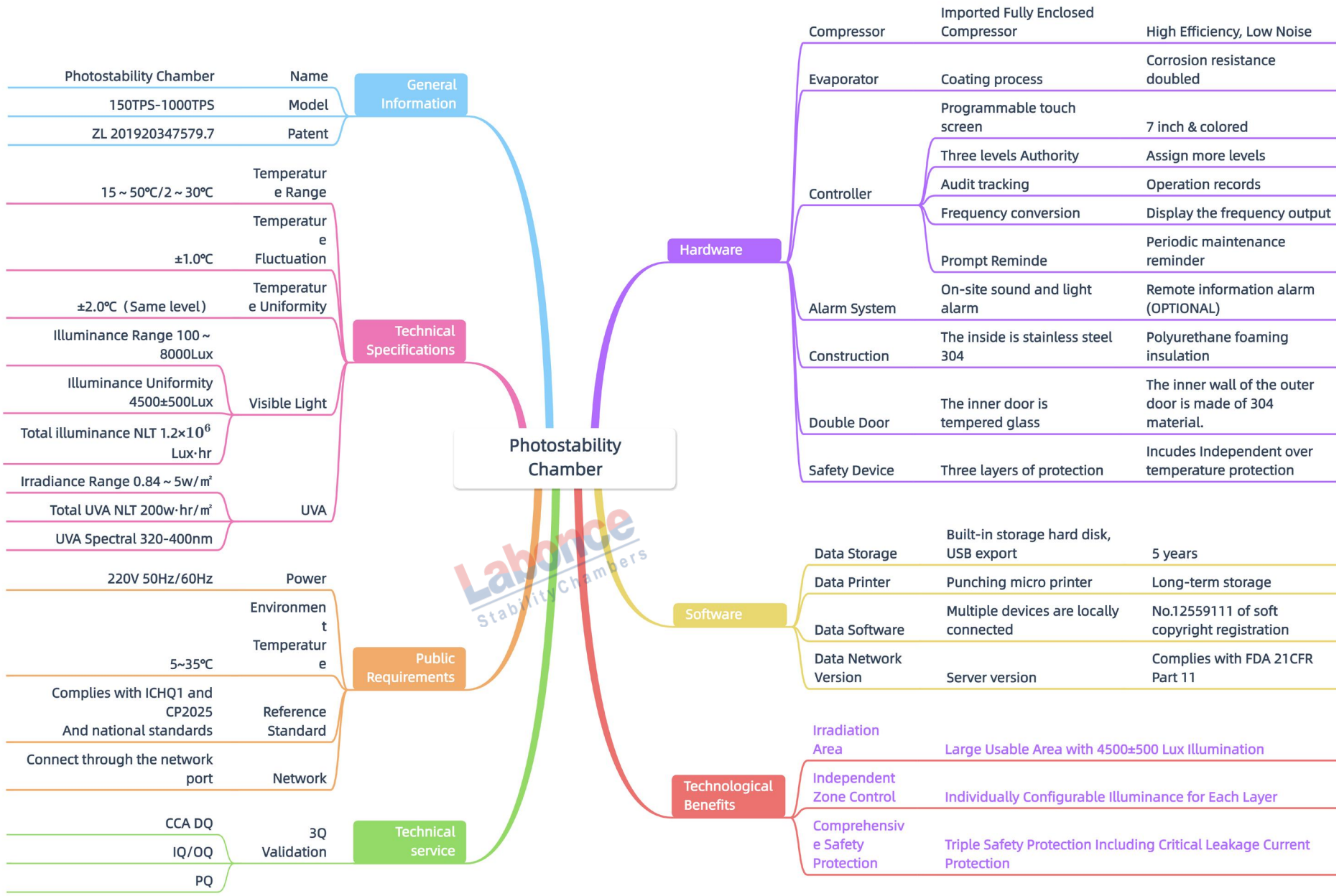




Name	Model	Temperature Range (℃)	Humidity Range (RH)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)	Chamber Structure	Remarks 1
Two-chamber integrated pharmaceutical stability chamber	Labonce-320CGS-FC	15 ~ 65	20 ~ 95%	150	680×500×460	860×840×1880	2.5	2/5	Up A	A (Temperature + Humidity + Visible Light + Near Ultraviolet) B (Temperature + Humidity)
				150	680×500×460			2/5	Down B	
	Labonce-520CGS-FC	15 ~ 65	20 ~ 95%	250	600×500×830	1610×870×1650	3.0	3/7	Left A	
				250	600×500×830			3/7	Right B	
	Labonce-620CGS-FC	15 ~ 65	20 ~ 95%	300	600×500×1000	1610×870×1820	3.2	3/9	Left A	
				300	600×500×1000			3/9	Right B	
Three-chamber integrated pharmaceutical stability chamber	Labonce-430CGS-FC	15 ~ 65	N/A	100	480×420×500	1370×780×1930	3.6	1/4	Upper Left A	A (Temperature + Visible Light + Near Ultraviolet; when lighting is on: temperature deviation on the same level is ±2.0℃) B/C (Temperature + Humidity)
			20 ~ 95%	100	480×420×500			2/4	Upper Right B	
			20 ~ 95%	230	480×420×1100			4/8	Right Box C	
	Labonce-930CGS-FC	15 ~ 65	N/A	220	600×700×520	1570×1060×1960	4.0	1/6	Upper Left A	
			20 ~ 95%	220	600×700×520			2/6	Upper Right B	
			20 ~ 95%	480	600×700×1140			4/8	Right Box C	
Remarks 2	1) CGS-FC Series: Chamber A is equipped with three functions: temperature, visible light, and near ultraviolet. Illuminance measurement comes standard with visible light and near ultraviolet sensors, and both visible light and near ultraviolet values are automatically printed and stored. 2) Visible light range: 100 ~ 6000Lux, illuminance deviation: 4500 ± 500Lux, the total illuminance of the illumination test shall not be less than 1.2×10^6 Lux·hr; near ultraviolet range: 0.84 ~ 1.0 w/m^2, the total illuminance of the near ultraviolet shall not be less than 200w·hr/m^2.. When lighting is off, temperature and humidity specifications are the same as GS-FC. 3) Temperature fluctuation: < ±0.5℃ ; Temperature deviation: < ±1.0℃ (when lighting is off) ; Humidity fluctuation: < ±2% RH ; Humidity deviation: < ±3% RH (when lighting is off).									

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

Photostability Chamber(TPS Series)



◆ 150L

◆ 500L

◆ 1000L

Model	Temperature Range (℃)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Remarks 1
Labonce-150TPS-1	15 ~ 50	150	650×490×500	830×790×1250	1.5	1 layer of light, Visible Light+UVA
Labonce-500TPS-2	15 ~ 50	500	680×680×1080	860×1050×1850	2.0	2 layer of light, Visible Light+UVA
Labonce-500TPS-3	15 ~ 50	500	680×680×1080	860×1050×1850	2.1	3 layer of light, Visible Light+UVA
Labonce-1000TPS-3	15 ~ 50	1000	1360×490×1360	1620×910×1990	2.5	3 layer of light, Visible Light+UVA
Labonce-150LTPS-1	2 ~ 30	150	650×490×500	830×790×1250	1.5	1 layer of light, Visible Light+UVA
Labonce-500LTPS-2	2 ~ 30	500	680×680×1080	860×1050×1850	2.0	2 layer of light, Visible Light+UVA
Remarks 2	TPS:Visible Range:100 ~ 8000Lux,Direct Setting, Illuminance deviation:4500±500Lux; UVA range:0.84 ~ 5w/m^2; LTPS:Visible Range:100 ~ 6000Lux,Direct Setting, Illuminance deviation:4500±500Lux; UVA range:0.84 ~ 1w/m^2; Illumination requirements:The total illumination is not less than 1.2×10^6 Lux • hr; UVA energy is not less than 200w • hr/ m^2.					

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

Constant temperature chamber(CT/TTSeries)

Labonce-CT series constant temperature chamber is designed for high-temperature stability testing of pharmaceuticals, packaging material thermal resistance tests and high-temperature aging tests of materials.

◆ Reference standard: GB/T 10586-2006 Technical Conditions for thermal-humidity chamber ;
◆ Air-way system: A new air-way system design, three sides of the air, good temperature uniformity in different locations within the chamber;
◆ Chamber Materials: The exterior is coated with high quality steel plate,The liner is made of mirror stainless steel, with built-in glass door;
◆ Control system: Programmable color touch screen controller with three-level user permissions and audit tracking function;
◆ Data management: Configure electronic data storage , which can export data through a USB flash drive;
◆ Safety device: Equipped with an independent overtemperature protection system to protect the safety of samples and equipment;
◆ Double Door Structure: The interior door features a tempered glass design, allowing samples to be observed by opening the outer door. The container's temperature and humidity remain stable in the short term, as the solid outer door provides effective thermal insulation. Additionally, it prevents interference from external light;
◆ Temperature control accuracy: CT series: Temperature fluctuation<± 0.5 ℃;
Temperature deviation<± 1.0 ℃;
Emperature uniformity ≤ 2.0 ℃;
TT series: Temperature fluctuation<± 0.5 ℃;
Temperature deviation<± 0.7 ℃;
Temperature uniformity ≤ 1.0 ℃;
◆ Power: AC220V ± 10% 50Hz;
◆ Optional: Needle type micro printer.

◆ 150~500CT

◆ 800~1000CT

Name	Model	Temperature Range (℃)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)	Remarks
Constant temperature chamber	Labonce-50CT	0 ～ 85	50	400×310×350	590×520×740	1.0	2/2	Temperature uniformity: ≤ 2.0 ℃
	Labonce-150CT		150	600×405×620	780×830×1480	1.2	3/6	
	Labonce-250CT		250	600×500×830	780×880×1650	1.5	3/7	
	Labonce-400CT		400	600×700×950	780×1060×1750	2.0	3/10	
	Labonce-500CT		500	680×680×1080	860×1050×1850	2.2	4/11	
	Labonce-800CT		800	1200×490×1360	1385×895×1965	2.5	4/8	
	Labonce-1000CT		1000	1400×510×1400	1615×925×1975	3.0	4/8	
Constant temperature chamber	Labonce-250TT	0 ～ 85	250	600×500×830	780×880×1650	1.5	3/4	Temperature uniformity: ≤ 1.0 ℃
	Labonce-720TT		720	1200×490×1360	1385×895×1965	2.5	4/8	
Constant temperature chamber	Labonce-12CT-S	10 ～ 50	12	290×160×260	410×315×590	0.4	2	Semiconductor refrigeration

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

Low-temperature Stability Chamber (BC/RC/FC Series)

Labonce-C Series Low-temperature Stability Chamber,Adopt the brand-new air-way structural design, select the original imported high quality parts and manufacturing process, ensure the long-term continuous operation of the equipment, stable and reliable performance, suitable for temperature sensitive medicine stability test and preservation.

- Reference Standard: Medical refrigerator industry standard: YY/T 0086-2020;
- Air-way System: The newly air-way system designed achieves uniform of temperature form different parts inside the chamber;
- Insulation material: Overall high-density polyurethane foam technology, with good insulation and moisture retention performance;
- Chamber Materials: The exterior is coated with high quality steel plate,The liner is made of mirror stainless steel 304, no pollution source, easy to clean;
- Refrigeration system: Imported fully enclosed industrial compressor, high efficiency, low noise, long life;
- Control system: Programmable color touch screen controller, with three levels of authority, electronic data storage function;
- Safety device: compressor overheat and overpressure overload protection;
- Alarm system: On-site beeping alarm;
- Other configuration: Test hole、Rubber plug、Mobile casters、Door lock;
- Controlling Temperature Precision: BC: Temperature Fluctuation < ±1.0℃;
  Temperature Deviation < ±2.0℃;
  Temperature Uniformity≤2.0℃;
  RC: Temperature Fluctuation < ±0.5℃;
  Temperature Deviation < ±1.0℃;
  Temperature Uniformity≤1.0℃;
  FC: Temperature Fluctuation < ±0.5℃;
  Temperature Deviation < ±2.0℃;
  Temperature Uniformity≤2.0℃;

◆ 250BC~500BC

◆ 800BC

◆ 250FC~400FC

- Environment Temperature: +5 ~ 30℃; Power: AC220V±10% 50HZ;
- Optional: Needle type micro printer.

Name	Model	Temperature Range (℃)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)	Remarks
Storage Chamber (5±2℃)	Labonce-250BC	2~14	250	600×500×830	780×880×1650	0.6	3/7	With observation window
	Labonce-400BC	2~14	400	600×700×950	780×1060×1750	1.0	3/10	
	Labonce-500BC	2~14	500	680×680×1080	860×1050×1850	1.0	4/11	
	Labonce-800BC	2~14	800	1200×490×1360	1385×895×1965	1.2	4/8	
	Labonce-1000BC	2~14	1000	1400×510×1400	1615×925×1975	1.5	4/8	
Low-temperatre (5±1℃)	Labonce-250RC	5	250	600×500×830	780×880×1650	0.6	3/7	With observation window, Double compressors, one operation and one protection.
	Labonce-720RC	5	750	1200×490×1360	1385×895×1965	1.5	4/8	
Low-temperatre Chamber (-23±2℃)	Labonce-150FC	-25	150	600×405×620	850×890×1520	1.2	3/6	Solid door Automatic defrosting
	Labonce-250FC	-25	250	600×500×830	850×990×1690	1.4	3/7	
	Labonce-400FC	-25	400	600×700×950	850×1140×1780	1.6	3/10	

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

Biochemical Incubator(BI Series)

Labonce-BI series of biochemical incubator is widely used in scientific research and production departments such as environmental protection, health and epidemic prevention, agriculture, animal husbandry, and aquatic products, drug testing, and cell culture.

- Reference standard: GB/T 28851-2012 Technical conditions for biochemical incubators;
- Air-way System: The newly air-way system designed achieves uniform of temperature form different parts inside the chamber;
- Chamber Materials: The exterior is coated with high quality steel plate,The liner is made of mirror stainless steel 304, no pollution source, easy to clean;
- Refrigeration system: Imported fully enclosed industrial compressor, high efficiency, low noise, long life;
- Control system: Color touch screen controller, with three levels of authority, with wind speed adjustable function;
- Data management: Configure needle type micro printer and electronic data storage function, support to use U disk to export the data;
- Safety device: compressor overheat and overpressure overload protection, independent overtemperature protection alarm system, On-site beeping alarm;
- Other configuration: Test hole、lighting、Mobile casters;
- Controlling Temperature Precision: Temperature Fluctuation: High temperature ±0.5℃;
  Low temperature ±1.0℃;
  Temperature Uniformity ≤2.0℃（@37℃）;
  Temperature Uniformity ≤3.0℃（other conditions）;
- Environment Temperature: +5 ~ 35℃;
- Power: AC220V±10% 50HZ;
- Optional: ① UV sterilization system;
  ② Three-level permission color touch screen controller, model is BIT.

◆ 150L~250L

◆ 400L~500L

◆ 800L~2000L

Name	Model	Temperature Range (℃)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)	Remarks
Biochemical Incubator	Labonce-150BI	0 ~ 60	150	520×460×600	640×700×1250	0.5	3/6	Configure observation window
	Labonce-250BI	0 ~ 60	250	520×460×1050	620×690×1650	0.6	3/8	
	Labonce-400BI	0 ~ 60	400	600×700×950	780×1060×1750	1.0	3/10	Configured with built-in glass doors
	Labonce-500BI	0 ~ 60	500	680×680×1080	860×1050×1850	1.2	4/11	
	Labonce-800BI	0 ~ 60	800	1200×490×1360	1385×895×1965	1.5	4/8	
	Labonce-1000BI	0 ~ 60	1000	1400×510×1400	1615×925×1975	2.0	4/8	
	Labonce-2000BI	0 ~ 60	2000	1500×970×1400	1710×1380×1990	2.5	4/8	

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

Mold Incubator(MI Series/MIS Series)

The mold incubator MI and MIS series are applied in scientific research institutions such as environmental protection, health and epidemic prevention, drug testing, agriculture, animal husbandry, and aquatic products. It is a specialized constant temperature equipment for water analysis, BOD detection, and cultivation of microorganisms such as molds.

◆ Air-way System: The newly air-way system designed achieves uniform of temperature form different parts inside the chamber(MI series);
◆ Chamber Materials: The exterior is coated with high quality steel plate,The liner is made of mirror stainless steel 304, no pollution source, easy to clean;
◆ Refrigeration system: Imported fully enclosed industrial compressor, high efficiency, low noise, long life;
◆ Control system: Color touchscreen controller with three-level management permissions and adjustable fan speed;
◆ Data management: Configure needle type micro printer and electronic data storage function, support to use U disk to export the data;
◆ Safety device: Compressor overheat and overpressure overload protection, independent overtemperature protection alarm system,On-site beeping alarm;
◆ Other configuration: Test holes、mobile casters、 lighting、UV disinfection lights;
◆ Controlling Temperature Precision:
MI Temperature Fluctuation: High temperature ±0.5℃;Low temperature ±1.0℃;
Temperature Uniformity ≤2.0℃（@37℃）;
Temperature Uniformity ≤3.0℃（other conditions）;
MIS Temperature Fluctuation: ±0.5℃,Humidity fluctuation: ±5%RH;
◆ Power: AC220V±10% 50HZ;
◆ Environment Temperature: +5 ～ 35℃;
◆ Optional: 1.SMS Alarm System;
2.Touchscreen Controller (Model: MIT) with Three-level Access Control and Audit Trail Functionality.

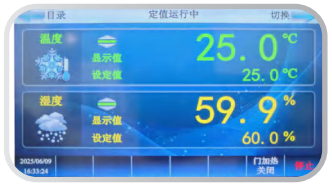
◆ 150MI～250MI

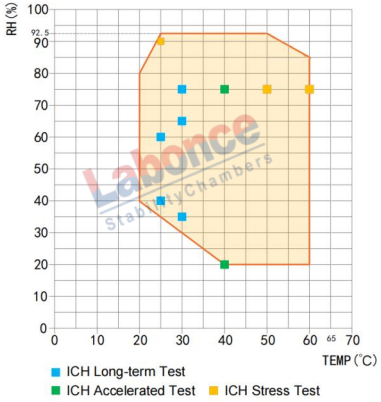
◆ 500MIS

Name	Model	Temperature Range (℃)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)	Remarks
Mould incubator	Labonce-150MI	0 ～ 60	150	520×460×600	640×700×1250	0.5	3/6	With observation window
	Labonce-250MI	0 ～ 60	250	520×460×1050	620×690×1650	0.6	3/8	
	Labonce-500MI	0 ～ 60	500	680×680×1080	860×1050×1850	1.2	4/11	Configured with built-in glass doors
Mould incubator (With humidity control)	Labonce-250MIS	15 ～ 50	250	600×500×830	780×870×1650	1.5	3/8	Humidity range: 50 - 85% RH Optional: Printer
	Labonce-500MIS	15 ～ 50	500	680×680×1080	860×1050×1850	2.0	4/11	

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

◆ Reference standard：GB/T 10586-2006 Humid heat test chamber technical conditions;
◆ Air-way System：The newly air-way system designed achieves uniform of temperature form different parts inside the chamber;
◆ Insulation material：Overall high-density polyurethane foam technology, with good insulation and moisture retention performance;
◆ Chamber Materials：The exterior is coated with high quality steel plate,The liner is made of mirror stainless steel 304, no pollution source, easy to clean;
◆ Refrigeration system：Imported fully enclosed compressor, high efficiency, low noise, long life;
◆ Control system：programmable color touch screen controller with data storage function, data can be exported through USB flash drive;
◆ Humidity control：Original imported capacitive humidity sensor, high precision, low drift, long service life, maintenance free;
◆ Safety device：Anti dry burning protection system, independent overtemperature protection system, on-site buzzer alarm;
◆ Other configuration：Test hole、Rubber plug、Mobile casters、Door lock;
◆ Temperature control Precision：Temperature fluctuation<± 0.5 ℃;
Temperature deviation<± 1.0℃;
Temperature uniformity≤2.0℃;
◆ Humidity control Precision：humidity fluctuation<± 3% RH; Humidity deviation<± 3% RH;
◆ Environmental temperature：+5~35 ℃;
◆ Power： AC220V ± 10% 50Hz;
◆ Optional: printer、lighting.





◆ Temperature and humidity control range diagram

◆ 150～500L

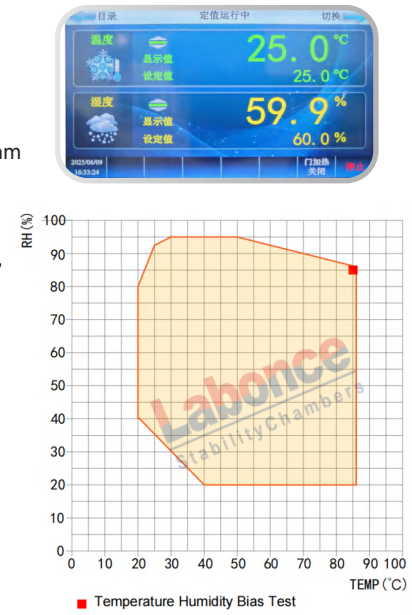
Model	Temperature Range (℃)	Humidity Range (RH)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)	Remarks
Labonce-150CH-T	15 ～ 60	20 ～ 95%	150	600×405×620	780×830×1480	1.5	3/6	Single-door
Labonce-250CH-T	15 ～ 60	20 ～ 95%	250	600×500×830	780×880×1650	1.8	3/7	
Labonce-400CH-T	15 ～ 60	20 ～ 95%	400	600×700×950	780×1060×1750	2.0	3/10	
Labonce-500CH-T	15 ～ 60	20 ～ 95%	500	680×680×1080	860×1050×1850	2.2	4/11	
Labonce-800CH-2T	15 ～ 60	20 ～ 95%	800	1200×490×1360	1385×895×1965	2.5	4/8	Double-door
Labonce-1000CH-2T	15 ～ 60	20 ～ 95%	1000	1400×510×1400	1615×925×1975	3.0	4/8	

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

Constant Temperture & Humidity Chamber(TH-T Series)

Labonce StabilityChambers

- Reference standard: GB/T 10586-2006 Humid heat test chamber technical conditions;
- Air-way System: Advanced airflow design ensures excellent temperature, form different parts inside the chamber;
- Insulation material: Overall high-density polyurethane foam technology, with good insulation and moisture retention performance;
- Chamber Materials: The exterior is coated with high quality steel plate,The liner is made of mirror stainless steel 304, no pollution source, easy to clean;
- Refrigeration system: Imported fully enclosed compressor, high efficiency, low noise, long life;
- Control system: Programmable color touch screen controller with multi-segment program and fixed value function;
- Data management: Electronic data storage function, which can export data through a USB flash drive;
- Humidity control: Original imported capacitive humidity sensor, high precision, low drift, long service life, maintenance free;
- Safety device: Anti dry burning protection system, independent overtemperature protection system, on-site buzzer alarm;
- Other configuration: Test hole、Rubber plug、Mobile casters、Door lock;
- Temperature control Precision: Temperature fluctuation<± 0.5 ℃;
  Temperature deviation<± 2.0 ℃;
  Temperature uniformity ≤2.0℃
- Humidity control Precision: Humidity fluctuation<± 3% RH;
  Humidity deviation<± 3% RH (control humidity>75% RH);
  Humidity deviation<± 5% RH (control humidity ≤ 75% RH);
- Environmental temperature: +5~35 ℃;
- Power: AC220V ± 10% 50Hz;
- Optional: Printer、Lighting.



◆ Temperature and humidity control range diagram

◆ 800~1000L

Model	Temperature Range (℃)	Humidity Range (RH)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)	Remarks
Labonce-150TH-T	0 ~ 100	20 ~ 95%	150	600×405×620	780×830×1480	1.5	3/6	Equipped with high-temperature resistant capacitive humidity sensor Capable of alternating tests
Labonce-250TH-T	0 ~ 100	20 ~ 95%	250	600×500×830	780×870×1650	1.8	3/7	
Labonce-400TH-T	0 ~ 100	20 ~ 95%	400	600×700×950	780×1060×1750	2.0	3/10	
Labonce-500TH-T	0 ~ 100	20 ~ 95%	500	680×680×1080	860×1050×1850	2.2	4/11	
Labonce-800TH-T	0 ~ 100	20 ~ 95%	800	1200×490×1360	1385×895×1965	2.5	4/8	
Labonce-1000TH-T	0 ~ 100	20 ~ 95%	1000	1400×510×1400	1615×925×1975	3.0	4/8	

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

Thermostatic Incubator(DHP/GHP Series)

Labonce-DHP electric thermostat incubator is used in medical and health care, pharmaceutical industry, biochemistry and agricultural science and other scientific research and industrial production departments to do bacteria culture, fermentation and constant temperature test.

- Reference standard: YY 0027-1990 electrothermal incubator;
- Heating method: Air jacket electric heating, fast heating speed;
- Chamber Materials: The exterior is coated with high quality steel plate,The liner is made of mirror stainless steel, four corners half circle arc over plating, shelf can be free loading and unloading;
- Control System: High precision digital microcomputer controller with built-in timer;
- External door design: double doors with built-in glass doors for easy observation of culture changes;
- Controlling Temperature Precision: Temperature resolution: 0.1 ℃; Temperature uniformity ± 1.0 ℃ (@ 37 ℃);
- Environment Temperature: +5 ～ 35℃;
- Power: AC220V±10% 50HZ;
- Optional: Touch screen controller with three-level permissions and audit tracking;Model is HI.

9052DHP-9272DHP

Labonce-GHP Water-jacket incubator is used by universities and colleges, pharmaceutical and biological research departments for Storage strains, biological culture, is the necessary equipment for scientific research laboratories.

- Heating method: Watertight heating with good temperature uniformity;
- Chamber Materials: The exterior is coated with high quality steel plate,The liner is made of mirror stainless steel, four corners half circle arc over plating, shelf can be free loading and unloading;
- Control System: High precision microcomputer digital display controller with timing function;
- External door design: double doors with built-in glass doors for easy observation of culture changes;
- Controlling Temperature Precision: Temperature Fluctuation±0.3℃; Temperature Uniformity±0.5℃(at 37℃);
- Environment Temperature: +5 ～ 35℃;
- Power: AC220V±10% 50HZ;
- Optional: Touchscreen controller with three-level permissions and audit tracking, printer; Model is WHI.

9080GHP-9270GHP

Name	Model	Temperature Range (℃)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)	Remarks
Electrothermal Incubator	Labonce-9052DHP	RT+5 ～ 65	50	415×360×355	690×500×500	0.3	2/5	
	Labonce-9082DHP	RT+5 ～ 65	80	500×400×400	780×530×560	0.4	2/6	
	Labonce-9162DHP	RT+5 ～ 65	160	500×500×650	790×630×810	0.6	2/6	
	Labonce-9272DHP	RT+5 ～ 65	270	600×600×750	890×740×910	0.8	2/7	
	Labonce-9402DHP	RT+5 ～ 65	400	640×585×1355	780×750×1880	1.1	3/6	
	Labonce-9602DHP	RT+5 ～ 65	600	840×600×1355	980×800×1880	2.2	4/6	
Watertight Incubator	Labonce-9050GHP	RT+5 ～ 65	50	350×350×410	500×500×700	0.4	2/3	
	Labonce-9080GHP	RT+5 ～ 65	80	400×400×500	550×550×800	0.6	2/3	
	Labonce-9160GHP	RT+5 ～ 65	160	500×500×650	650×680×950	0.8	2/4	
	Labonce-9270GHP	RT+5 ～ 65	270	600×600×750	750×740×1050	1.3	2/5	

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

Precise Blast Drying Oven(JM/JMH Series)

Labonce-JM series Precise Blast Drying Chamber, Adopt the brand new structural design, Stable and reliable performance, Suitable for high temperature test of electrical and electronic products and materials.

◆ Air-way system: A new air-way system design, three sides of the air, good temperature uniformity in different locations within the chamber;
◆ Chamber Materials: The exterior is coated with high quality steel plate,The liner is made of mirror stainless steel;
◆ Control system: Imported digital display meter controller;
◆ Safety device: Equipped with an independent overtemperature protection system to protect the safety of samples and equipment;
◆ Temperature control accuracy: Temperature Fluctuation: <±1.0℃,
Temperature uniformity:+3.0℃(< 200°);
◆ Power: AC220V±10% 50HZ(AC 380V±10% 50HZ).

◆ Internal chamber

◆ 70~240L

Name	Model	Temperature Range (℃)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)	Remarks 1	Remarks 2
Precise Blast Drying Oven(200℃)	Labonce-70JM	RT+20 ~ 200	70	400×400×450	540×530×800	1.0	2/7	Compatible power supply: 220V	Recommended operating temperature below 190℃
	Labonce-140JM	RT+20 ~ 200	140	450×550×550	600×720×900	1.5	2/8		
	Labonce-240JM	RT+20 ~ 200	240	550×550×750	750×750×1150	2.5	2/11		
	Labonce-420JM	RT+20 ~ 200	420	640×585×1355	780×750×1880	3.1	4/8	Compatible power supply: 380V	
	Labonce-620JM	RT+20 ~ 200	620	780×600×1355	980×800×1880	4.0	4/8		
	Labonce-920JM	RT+20 ~ 200	1000	1000×600×1600	1140×800×2150	5.2	4/8		
Precise Blast Drying Oven(300℃)	Labonce-75JMH	RT+20 ~ 200	70	400×400×450	540×530×800	1.0	2/7	Compatible power supply: 220V	Recommended operating temperature below 280℃
	Labonce-145JMH	RT+20 ~ 200	140	450×550×550	600×720×900	1.5	2/8		
	Labonce-245JMH	RT+20 ~ 200	240	550×550×750	750×750×1150	2.5	2/11		
	Labonce-425JMH	RT+20 ~ 200	420	640×585×1355	780×750×1880	3.1	4/8	Compatible power supply: 380V	
	Labonce-625JMH	RT+20 ~ 200	620	780×600×1355	980×800×1880	4.0	4/8		
	Labonce-925JMH	RT+20 ~ 200	1000	1000×600×1600	1140×800×2150	5.2	4/8		

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

Vacuum Drying Oven(ZK/VC Series)

Vacuum Drying Oven is specially designed for drying heat-sensitive, decomposable, and oxidizable substances. Capable of inerrt gas infusion, enabling rapid drying of complex materials.

- Reference standard: GB/T 29251-2012 vacuum drying chamber;
- Structural Design:More rational structural design for enhanced operational simplicity: Optimized sample rack layout for improved accessibility and efficiency
- Internal material: The studio is made of mirror faced stainless steel plate material, ensuring that the product is durable and easy to clean;
- Control system: Microcomputer digital temperature controller with timing function, precise and reliable temperature control;
- Control precision: Constant temperature fluctuation: ± 1 ℃; Temperature precision: 0.1 ℃; The vacuum degree can reach 133Pa;
- Door structure: Tempered and bulletproof double layer glass doors allow for clear observation of objects in the studio at a glance;
- Seal ring: The door closure is adjustable, and the synthetic silicon door seal ring is formed as a whole to ensure keep high vacuum inside the chamber;
- Power: AC220V ± 10% 50Hz (380V for 6500ZK);
- Optional: program table, inert gas intake valve, drying tank, oil filter, etc.

VC series vacuum drying oven is equipped with a vacuum pump as standard, and is equipped with a resistance silicon tube pressure sensor to achieve digital display of vacuum degree. It can also achieve continuous vacuum drying by setting the upper and lower limits of vacuum degree and the number of cycles, improving experimental or production efficiency.

- Control system: Touch screen controller with timing function, precise and reliable temperature control;
- Control precision: Constant temperature fluctuation: ± 1 ℃; Temperature precision: 0.1 ℃;
- Vacuum precision: Equipped with resistance silicon tube pressure sensor, vacuum data display, control precision of ± 1%;
- Standard configuration: Vacuum pump.

◆ Internal structure

◆ 6090VC~6210VC

◆ 6090ZK

Name	Model	Temperature Range (℃)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)	Remarks
Vacuum Dring Oven (Vacuum degree pointer display)	Labonce-6090ZK	RT+10 ～ 200℃	90	450×450×450	610×680×1460	1.7	2	Standard vacuum pump Two layers independent temperature control
	Labonce-6210ZK	RT+10 ～ 200℃	210	560×600×640	720×820×1750	2.0	3	Standard vacuum pump Three layers independent temperature control
High precision vacuum drying oven (Vacuum data display)	Labonce-6090VC	RT+10 ～ 200℃	90	450×450×450	610×680×1460	1.7	2	2 layers of independent temperature control
	Labonce-6210VC	RT+10 ～ 200℃	210	560×600×640	720×820×1750	2.0	2	2 layers of independent temperature control

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

High Temperature & Constant Temperature Chamber(GW/GWH Series)

Labonce-GW series high-temperature test chamber adopts new structure design, stable and reliable performance, which is suitable for high-temperature experiment of electric and electronic products and materials.

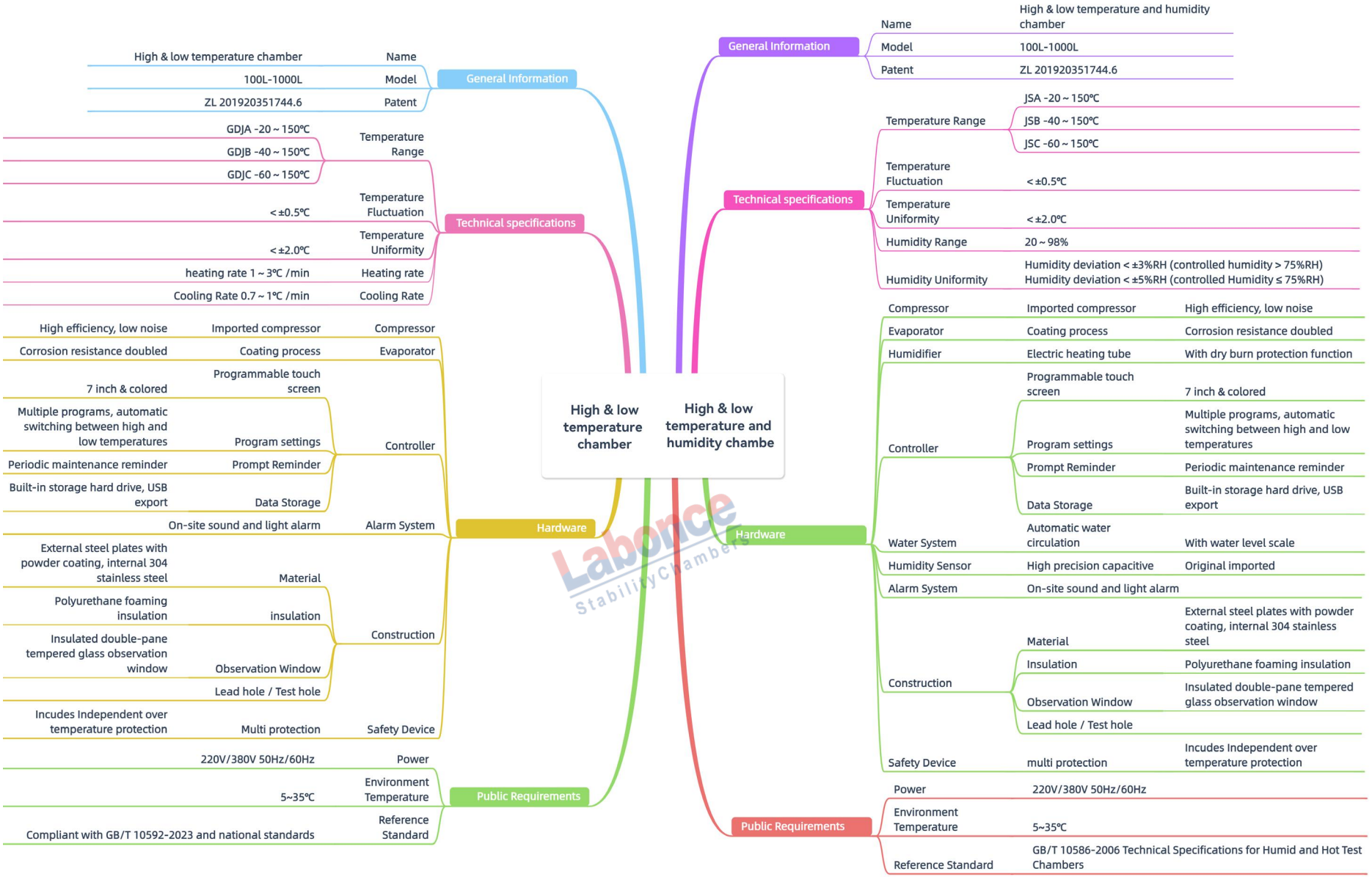
◆ Reference standard: GB/T 11158-2008 Technical Conditions for High Temperature Test Chambers;
◆ Air-way system: A new air-way system design, three sides of the air, good temperature uniformity in different locations within the chamber;
◆ Control system: GW: Digital display controller;
GW-T: Programmable color touchscreen controller with three-level access control and audit trail functionality.
◆ Chamber Materials: The exterior is coated with high quality steel plate,The liner is made of mirror stainless steel;
◆ Data management: Configure electronic data storage function, which can export data through a USB flash drive;
◆ Safety device: Equipped with an independent overtemperature protection system to protect the safety of samples and equipment;
◆ Temperature control accuracy: Temperature deviation≤ ± 2.0 ℃ (< 200 ℃)
Temperature deviation ≤ ± 3.0 ℃ (200~250 ℃).

◆ 250GW

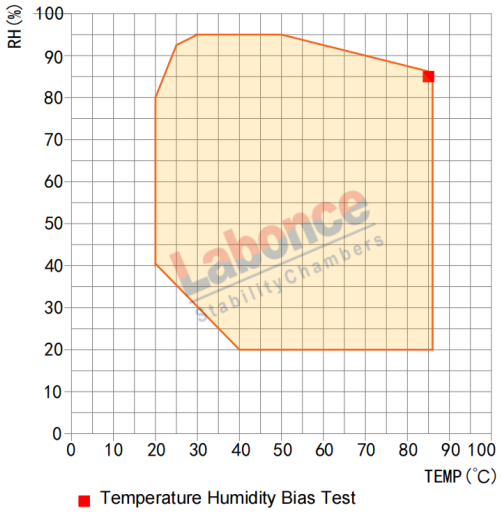
Name	Model	Temperature Range (℃)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Power (kW)	Shelf (Standard)	Remarks
High Temperature Chamber(200℃)	Labonce-100GW	RT+15 ~ 200	100	450×450×450	1100×700×800	2.0	2/2	Digital display controller
	Labonce-250GW	RT+15 ~ 200	250	600×600×700	1250×850×1000	2.5	2/2	
	Labonce-100GW-T	RT+15 ~ 200	100	450×450×450	1100×700×800	2.0	2/2	Touchscreen controller
	Labonce-250GW-T	RT+15 ~ 200	250	600×600×700	1250×850×1000	2.5	2/2	
High Temperature Chamber(300℃)	Labonce-100GWH	RT+15 ~ 200	100	450×450×450	1100×700×800	2.5	2/2	Digital display controller
	Labonce-250GWH	RT+15 ~ 200	250	600×600×700	1250×850×1000	3.0	2/2	
	Labonce-100GWH-T	RT+15 ~ 200	100	450×450×450	1100×700×800	2.0	2/2	Touchscreen controller
	Labonce-250GWH-T	RT+15 ~ 200	250	600×600×700	1250×850×1000	2.5	2/2	

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

High & Low Temperature And Humidity Chamber(JS/GDJ Series)



High & Low Temperature And Humidity Chamber JS/GDJ Series(SPEC&MODEL)



◆ Temperature and humidity control range diagram

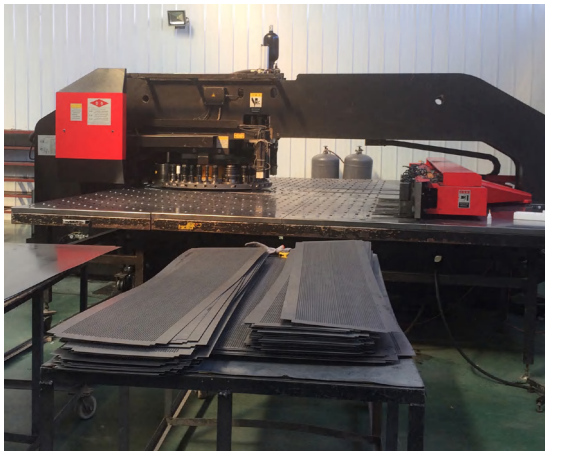
◆ 100L～250L

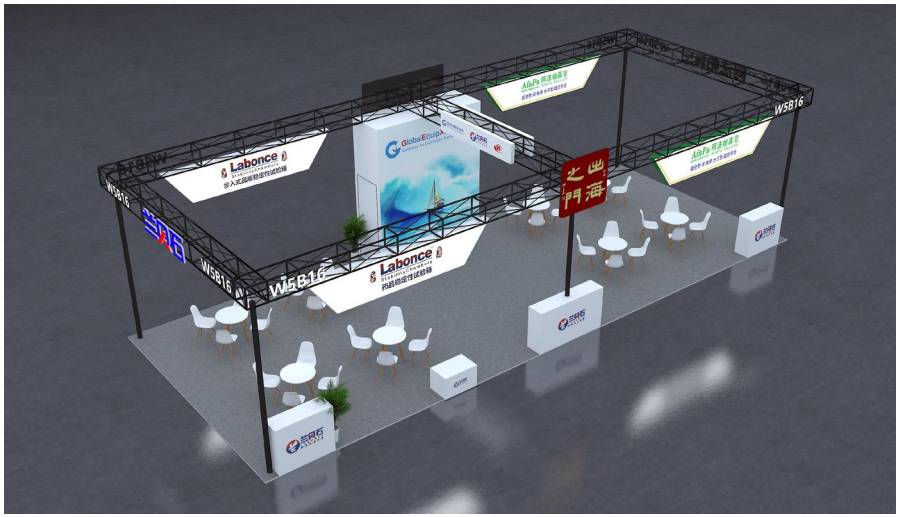
◆ 500L～1000L

Name	Model	Temperature Range (℃)(Customizable)	Humidity Range (RH)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Shelf (Standard)	Remarks
High & low temperature and humidity chamber	Labonce-100JS	A:-20~150℃ B:-40~150℃ C:-60~150℃	20 ～ 98%	100	450×450×500	730×1040×1570	2	Power specifications refer to the technical specifications of the corresponding model
	Labonce-250JS		20 ～ 98%	250	650×550×700	930×1180×1850	2	
	Labonce-500JS		20 ～ 98%	500	800×700×900	1250×1150×2080	2	
	Labonce-1000JS		20 ～ 98%	1000	1000×1000×1000	1500×1500×2200	2	
High & low temperature chamber	Labonce-100GDJ	A:-20~150℃ B:-40~150℃ C:-60~150℃	N/A	100	450×450×500	730×1040×1570	2	
	Labonce-250GDJ		N/A	250	650×550×700	930×1180×1850	2	
	Labonce-500GDJ		N/A	500	800×700×900	1250×1150×2080	2	
	Labonce-1000GDJ		N/A	1000	1000×1000×1000	1500×1500×2200	2	

All indicators on this color page were measured at an ambient temperature of 20~25℃ .

Company patents and production equipment





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