



Decompression temperature · humidity chamber



ALT-7018 - 3400 - HW



ALT-7018 - 800 - W

Feature of product

- **Altitude response test**
Used for stress analysis during aircraft transportation of aircraft parts, lithium ion battery, liquid crystal panel, electronic parts etc and stress analysis when using the product's high ground
- **Air transport conditions**
Altitude test prepared for -56.5°C/11.6kPa(15.24km/50,000ft)
- **Correspondence test standard (Satisfaction of UN test standard of lithium ion battery)**
Correspond for JIS C8712(IEC62133), IEC62281, UL1642, MIL-STD-810C(Method 504.1 category4) JIS W 0812(RTCA/D0-160D)
- **Humidity control is possible at below zero**
20.0 ~ 95.0%(-45.0 ~ 95.0°C)

Main function



Temperature and humidity control range
-70.0 ~ 180.0°C, 20.0 ~ 95.0%



Easy and convenient touch method
Convenient product operation and setting using touch screen interface



Dedicated controller
Dedicated control and recording of temperature, humidity and pressure



Pressure
Atmospheric pressure ~ 1.0 kPa



Easy to check
Convenient product operation and setting using touch screen interface



Various control modes
Suitable for various test standards by temperature/humidity/pressure, temperature/humidity, temperature/pressure, temperature, vacuum control



Program pattern control
Available for program control with desired pattern of temperature, humidity and pressure (40 patterns / 1200 segments)



Free PC support software
In addition to operation/stop the controller, save and operate graph is available on PC monitor



Dual chamber structure(Patent No: 10-1022740)
Heaters, evaporators, and fans of inner and outer tanks are individually set and controlled. Therefore, it maintains fast temperature stability and constant temperature distribution.

Specifications

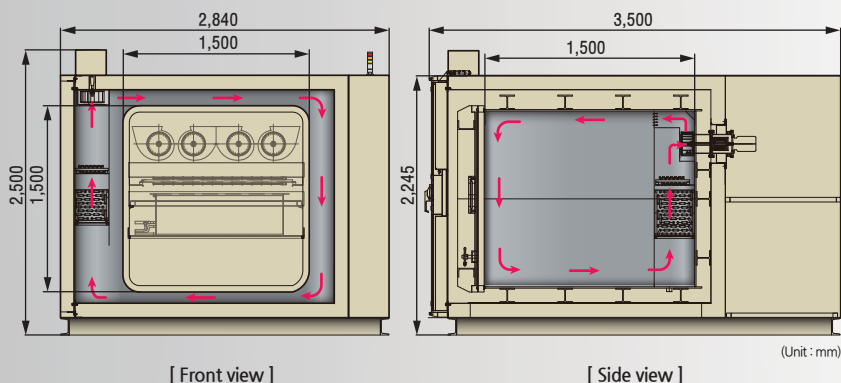
form		ALT-7018-3400-HW	ALT-7018-800-W
Temp.	Range	-70.0 ~ 180.0℃(Atmospheric pressure) -70.0 ~ 140.0℃(Atmospheric pressure ~ 33.4kPa) -55.0 ~ 85.0℃ (57.2 ~ 4.4kPa)	
	Fluctuation range	±0.3℃	
	Descent time	Within 90 minutes from 20.0 ~ -70.0℃	
	Rise time	Within 90 minutes from 20.0 ~ 180.0℃	
	Distribution chart (Atmospheric pressure standard)	±1.5℃(-70.0 ~ 0.0℃) ±1.0℃(0.1 ~ 90.0℃) ±2.5℃(90.1~180.0℃)	
Humi.	Range	20.0 ~ 95.0%(-45.0 ~ 95.0℃ / Atmospheric pressure) 20.0 ~ 85.0%(-45.0 ~ 95.0℃ / Atmospheric pressure ~ 69.7kPa)	
	Fluctuation range	±2.0%	
	Distribution chart	±5.0%	
Pressure	Range	Atmospheric pressure(101.3) ~1.0kPa	
	Fluctuation range	±0.3kPa	
	Vacuum time	Within 30 minutes from atmospheric pressure (101.3) to 1.0kPa	
Save data		Temperature, Humidity, Pressure, Subsidiary Sensor 9CH (For sample temperature measurement)	
Material / Component part	Internal material	Stainless steel plate (SUS304)	
	External material	Cold rolled steel sheet / Power coating	
	Door structure	Dual door	Single door
	Insulator	Airgel, Ceramic wool	
	Air blower	Sirocco fan	
	Compressor	Low temperature (Semi-sealed, binary freezing), Room temperature (Sealed)	
	Condensor	Water-cooling type (Cooling water capacity : 23~25℃ , 470L/MIN)	Water-cooling type (Cooling water capacity : 23~25℃, 290L/MIN)
	Refrigerant	R404A, R23(or R508B)	
Vacuum pump		Dry Type	
Laboratory size(W*H*D)		1,500(W) X 1,500(H) X 1,500(D) mm (3,375L)	1,000(W) X 1,000(H) X 800(D) mm (800L)
Body size(W*H*D)		2,840(W) X 2,500(H) X 3,500(D) mm	1,710(W) X 2,240(H) X 2,500(D) mm
Weight		11,000Kg	3,000Kg
Safety specification		Control circuit breaker, Overheat protection, Overload relay (Blower, Compressor, Vacuum pump), Earth leakage breaker, Water shortage alarm, Leakage detection and blocking device, Air shortage alarm, Cooling water alarm, Emergency stop switch (EMO)	
Power specification		220V AC 3ø 50/60Hz, 123KW<Operation within ±10% of rating>	220V AC 3ø 50/60Hz, 79KW<Operation within ±10% of rating>

※ Temperature and humidity specifications are based on non-sample, No heat, Atmospheric pressure and stable performance

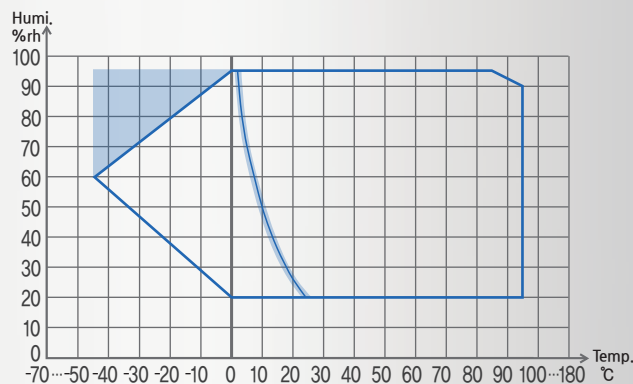
※ Please contact us for other details

※ Refer to separate conditions of use for temperature and humidity range

Dual chamber structure system



Temperature-humidity controllable range



■ Consultation section

※ Controllable range varies depending on size and capacity



Head office in Korea | 202-505 Bucheon Techno-Park, #192 Yakdae-dong, Wonmi-gu, Bucheon-city, Gyeonggi-do, Korea

Tel, +82-70-8255-0607

Fax, +82-70-8255-0608

URL, <http://www.samwontech.com>

Office in Japan | 2-13-13, Omiya, Moriguchi, Osaka, Japan

Tel, +81-6-6996-2826 (+81-80-4743-8736)

Fax, +81-6-6996-2826

URL, <http://www.e-hutech.jp>

Office in China | 502-B-dong, Sunghui jikji plaza, Haengganghachon, Changping, Donggual Shi, Guangdong Province

Tel, +86-769-8600-1819

Fax, +86- 769-8600-1656

URL, <http://www.dgsamwon.com>