ADPAC-SYSTEM 2ch/4ch

ADPAC-N2
Air Control Unit

ADPAC-20L
20L Chamber

ADPUMP-N2
Sampling Pump

FEATURES

Based on JIS A 1901

This small chamber system bases on JIS A 1901, ASTM D5116-97, D6007-96, and ENV 13419-1.
It can measure emission factors of formaldehyde and VOC from test specimen.
It is easy to set up and control the unit.

AIR CONTROL UNIT

The flow meters which are united are digital mass flow controllers which control instant flow and total flow.
The unit can operate with the same pressure both of inside of a chamber and outside of a chamber.
There is no so much influence from environment of outside of a chamber because of operating the system with a little bit over pressure

MAIN CHAMBER

The chamber without sealing is made of stainless steel (SUS304). Because of welding structure, the chamber keeps almost no leak. The sealing is made of Teflon. All parts are moveable, and wash is really easy.
Clean air from header pipe has shower holes supplies as shower. According to CFD analysis, we design chamber to circulate in the chamber.

SAMPLE HOLDER

It can expose surface of test specimen. A chamber has two sample holders to make it loading factor 2.2 m/㎡
Sealing is also made of Teflon, and it is easy to set up and wash.

TEMPERATURE/HUMIDITY SENSOR UNIT

The unit is to mix wet air and dry air from an air control unit. It has temperature/humidity sensor inside of the tank, so real-time monitoring and control is possible.
Using the attached software, operator can transfer the date to computer.

SAMPLING PUMP

The flow meters which are united are digital mass flow controllers which control instant flow and total flow.
To control mass flow controller, automatic sampling is going to be possible.
If you have any suggestions or want to change specifications, for instance max flow and so on, we can prepare your order.

SPECIFICATIONS

Product	AIR CONTROL UNIT	
Model	ADPAC-N2	ADPAC-N4
Dimension	W220×D315×H380(mm)	W210×D370×H530(mm)
Humidity Control	Flow meter (DRY:500ml/min, WET:500ml/min)	Flow meter (DRY:1,000ml/min, WET:500ml/min)
Ventilation	Mass flow meter (2 ways)	Mass flow meter (4 ways)
	(1 ways:200ml／min F. S. ±3%)(0～5VDC)	
Power	AC100V 50/60Hz 0.2A	AC100V 50/60Hz 0.4A
Weight	About 12kg	About 17kg
Product	20L CHAMBER	
Model	ADPAC-20L	
Dimension	φ300×H300(mm)	
Material	Chamber: SUS304 1mm, Sealing: Teflon	
Weight	About 4.3kg	
Product	SAMPLE HOLDER	
Model	SH-200	
Outer Dimension	W192×H192×D40(mm)	
Test Specimen	W165×H165×D1～30(mm)	
Material	Chamber: SUS304 1mm, Sealing: Teflon	
Weight	About 1.5kg	
Product	TEMPERATURE/HUMIDITY SENSOR UNIT	
Model	TH-RS12-W	TH-RS12-4
Chamber Size	φ63×H70×L200(mm)	φ75×H90×L310(mm)
Recorder Size	W88×D24×H55(mm)	
Measurement Range	10℃～60℃(Temperature) 10%～95%(Humidity)	
Weight	About 1kg	About 1.5kg
Product	SAMPLING PUMP	
Model	ADPUMP-N1	ADPUMP-N2
Dimension	W182×D280×H122(mm)	W182×D280×H122(mm)
Flow Control	Until 200ml/min(with no load) F. S. ±3% ※(1000ml/min)	
Control way	Counter(control estimating flow)	
Power	AC100V 50/60Hz 0.1A	AC100V 50/60Hz 0.2A
Wight	About 5kg	About 7kg

※ **Products may be revised without prior notice for improvement.**

ADPAC-A2/A4

ADPAC-A4
ADPAC-SYSTEM AS ONE

FEATURES

AS ONE

Low Incubator adds Air Control Unit, Sampling Pump, and Clean Air Supplying Device

1. Low Incubator
2. Air Control Unit
3. Sampling Pump
4. Clean Air Supplying Device
5. Two 20L Chambers
6. Thermo Humidity Unit

SMALL SPACE

The space for setting up is very small and it is not only easy to move the system, but also it is not necessary to troublesome piping.

EXCELLENT OPERATIVITY

Operation in the front panel is altogether possible for a setup of an operating condition etc.
The system always keeps regularized condition

IMPROVEMENT OF MAINTENANCE OPERATIVITY

Removing silica gel of the clean air generator is easier than before.
Exhaustion in the generator is also easier to remove than before.

SPECIFICATIONS

Model	ADPAC-A2	ADPAC-A4
ADWI-110HL, AD4I-110HG／Low Incubator		
Inner Dimension (W×D×Hmm)	700×500×1060	798(Unit:190)×500×1060
Temperature Range	1℃～50℃	
Temperature Control	3 digit numbers establishment. PID control with AT (Sensor:JPt100Ω)	
Control Accuracy	Controlled Temperature±0.2℃	
Temp Distribution	±1℃(with no loading)	
Material	Interior:SUS430 Outside:Melamine resin	
Prevention of Excessive cooling /heating	Controlled Temperature±3℃ Automatically Controlled System+Independent Excessive Heating Prevention System	
Heater	500W (When cooling 800W)	600W(When cooling1000W)
Refrigerator	400W	
Fog Elimination	Hot Gas Bypass System	
Interior Light	10W Fluorescent Lamp	20W Fluorescent Lamp
Motor Output	400W	400W×2
Power	AC100V, 50/60Hz, Short Circuit Breaker, 12A	AC100V, 50/60Hz, Short Circuit Breaker, 14A
Dimension (W×D×Hmm)	800×680×1730	1190×660×1757
Weight	195Kg	230Kg
ADPAC-N2, ADPAC-N4／Air Control Unit		
Reference Enclosure		
ADPAC-20L／20L Chamber		
Reference Enclosure		
SH-200／Sample Holder		
Reference Enclosure		
TH-RS11／Temperature/Humidity Sensor Unit		
Reference Enclosure		
ADPUMP, ADPUMP(W)／Sampling Pump		
Reference Enclosure		
ADfresh4／Clean Air Generator		
Reference Enclosure		

※ **Products may be revised without prior notice for improvement.**