

Temperature and Humidity Controller with Peltier Technology for Mini-Environment

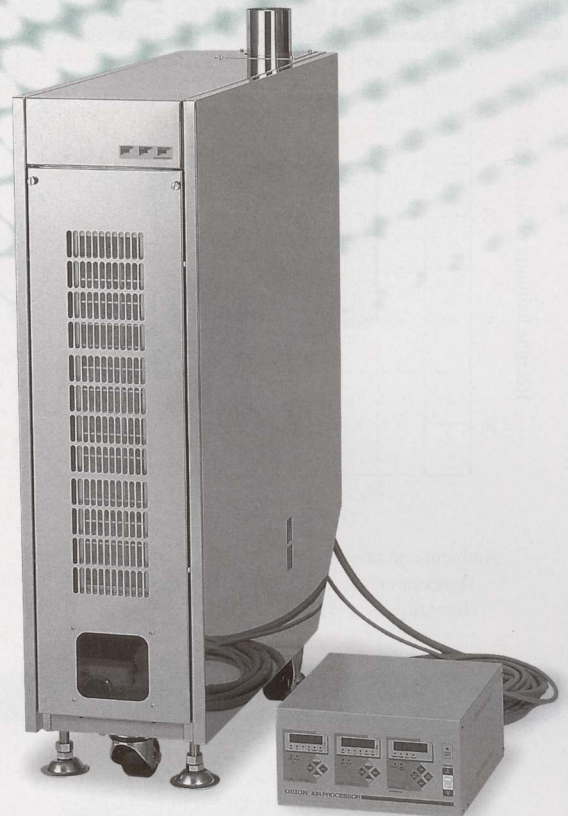
PEL FRESH

ADVANTAGES ;

1. Freon-Free (No Fluorocarbon)
2. Ultra Precise Control of Temperature and Humidity
3. Energy Conservation
4. Down sizing
5. Easy Maintenance

APPLICATIONS ;

- Photo-resist Coater
- LCD Product Line
- Thin-Film Production Process

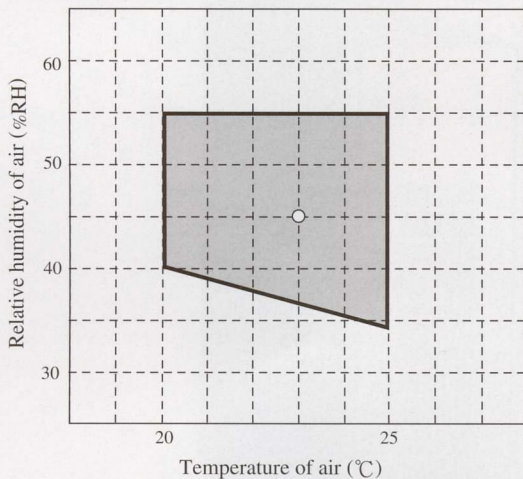


APE-02FSK-AW

SPECIFICATION

Item	Model	APE-02FSK-AW
Temperature & Humidity control precision		$\pm 0.05^{\circ}\text{C}$, $\pm 0.5\% \text{RH}$
Control range of temperature		20 ~ 25 $^{\circ}\text{C}$
Control range of humidity		30 ~ 60%
Ambient temperature & humidity range		20 ~ 25 $^{\circ}\text{C}$, 35 ~ 55%RH
Blow rate range		25 ~ 113 ft ³ /min
Dimensions (H×D×W)	Heat exchange unit	1130×838×280mm
	Control unit	155×300×280mm
Weight	Heat exchange unit	Approx. 130kg
	Control unit	Approx. 2kg
Power source		AC200V-3 ϕ (50/60 Hz) Max. current 19A Max. power consumption 5.3kw
DI water supply rate max.		Approx. 13.0 mL/min
Cooling water supply rate		8 ~ 10 L/min at 25 $^{\circ}\text{C}$

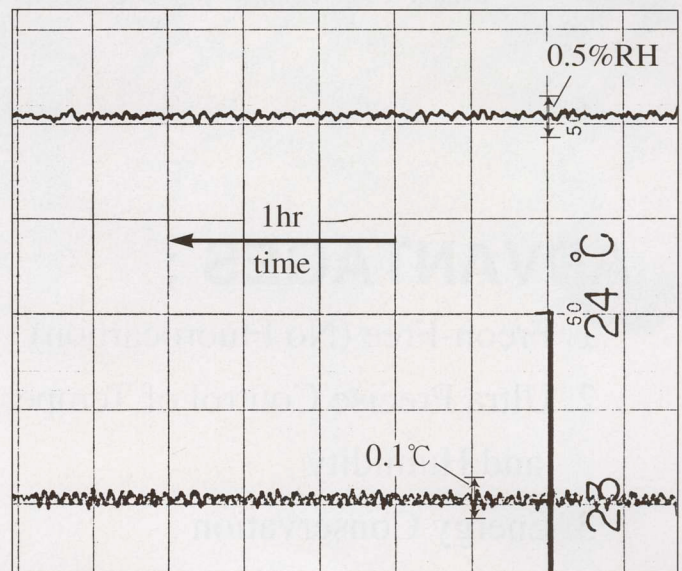
CONTROL RANGE



Ambient conditions

- Temperature : 23 $^{\circ}\text{C}$ ○Blow rate range : 70ft³/min
- Humidity : 45%RH

DATA



APPLICATIONS

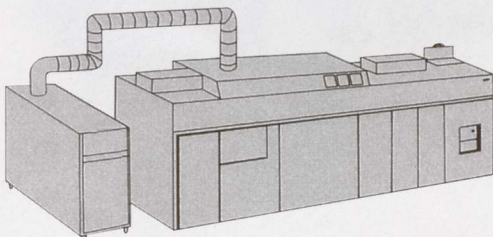
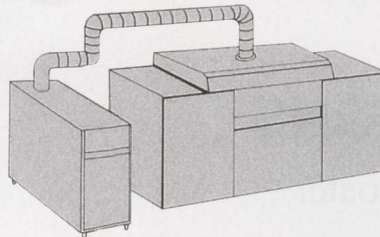
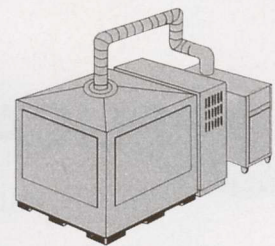


Photo-resist Coater



LCD Product Line



Thin-Film Production Process

Information contained in this catalog is as of July 1997.
All specifications and other information are subject to change without notice.

For further information, please contact.

 **ORION MACHINERY**

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