Constant Temperature & Humidity Chamber
항온항습기

- 종자보관, 미생물, 식품, 의약품의 환경변화실험, 반도체 전자부품의 온습도 변화, 금속의 부식실험, 자동자부품,
- 고무, 도료, 섬유, 종이, 펄프, 화장품등 저온 급속냉각상태에서 제품 실험
- 습도 30 ~ 98% 조절가능, 전자식습도센서, 정밀한 온도 유지, 미세한 수분 입자로 최적 조건 유지
- 냉동기 작동 온도 설정 모드가 있어 불필요하게 고온에서 작동하는 것을 자동방지, 냉동기 수명연장,

DS-541(Recorder-option)



DS-542P(Recorder-option)



DS-540

Temperature : No
Humidity : OK



온도, 습도 1step digital type

		DS - 540	DS - 541	DS - 542	DS - 543
Main controller		Microprocessor digital displayed Auto-tuning multi-functional P.I.D controller (Temp, Time)			
Temperature	Range	None	-20℃ to 100℃ / -40℃ to 150℃(Option)		
	Accuracy	None	±0.2℃ at 37℃		
	Controller	None	Microprocessor digital displayed Auto-tuning multi-functional P.I.D controller (Sensor PT100Ω)		
Humidity	Range	60 to 98%RH	30 to 98%RH at 35℃		
	Accuracy	±2% at 70% (30℃standard)	±2% at 70%(30℃ standard)		
	Controller	Microprocessor digital displayed Auto-tuning multi-functional P.I.D controller			
	Humidifier	Evaporation by motor(SUS316 pipe heater)			
Timer		99min. 59sec. or 99hr. 59min. or 99days 23hours or continuous selectable			
Dimensions (WxDxH)mm	In	300 x 300 x 300	500 x 500 x 600	600 x 700 x 800	1000 x 800 x 1000
	Out	400 x 400 x 510	900 x 870 x 1400	1000 x 1070 x 1600	1400 x 1070 x 1800
Capacity		27 L	150 L	336 L	800 L
Material (In/Out)		Stainless steel (SUS 304) / Steel plate with powder coating(SCP-1)			
Door		Silicon packing door with glass door			
Compressor		None	1.5HP	2HP	3HP
Shelves		SUS 1ea	SUS 2ea	SUS 3ea	SUS 5ea
De-humidity heater		Silicon heater 80W x 2ea			
Power (AC220V, 60Hz)		1phase, 0.2Kw	1phase, 3.5kw, 16A	1phase, 4.4kw, 20A	1phase, 6,2kw, 28A

온도 11 step Program type , 습도 1 step digital type

	DS - 541N	DS - 542N	DS - 543N
Temp. controller	Programmable 11step, Microprocessor LCD displayed, Auto-tuning multi-functional P.I.D controller (Temp, Time)		
Humidity controller	Microprocessor digital displayed Auto-tuning multi-functional P.I.D controller		

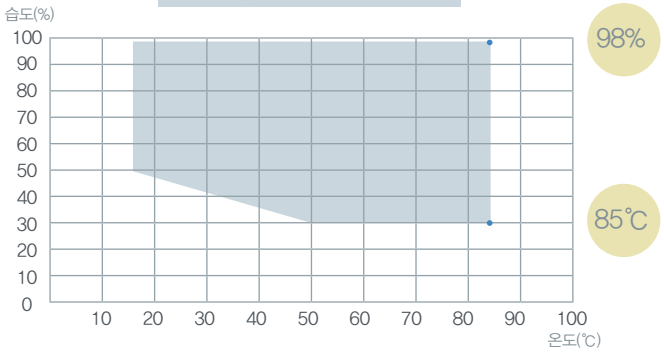
온도 습도 냉동 냉장 잠금 깨끗

항온항습기

DS-543P



온도/습도 범위 그래프



Option Accessories

Digital recorder



2 Channel recorder



PC connect Kit



Controller



		DS - 541P	DS - 542P	DS - 543P
Main controller		Programmable 11step, Microprocessor LCD displayed, Auto-tuning multi-functional P.I.D controller (Temp, Time)		
Temperature	Range	-20℃ to 100℃ / -40℃ to 150℃ (Option)		
	Accuracy	±0.2℃ at 37℃		
	Controller	Programmable 11step, Microprocessor LCD displayed, Auto-tuning multi-functional P.I.D controller		
Humidity	Range	30 to 98%RH at 35℃		
	Accuracy	±2% at 70% (30℃ 기준)		
	Controller	Microprocessor digital displayed Auto-tuning multi-functional P.I.D controller		
Timer		99min. 59sec. or 99hr. 59min. or 99days 23hours or continuous selectable		
Humidifier		Evaporation by motor(SUS316 pipe heater)		
Dimensions (WxDxH)mm	In	500 x 500 x 600	600 x 700 x 800	1000 x 800 x 1000
	Out	900 x 870 x 1400	1000 x 1070 x 1600	1400 x 1070 x 1800
Capacity(Liter)		150	336	800
Material (In/Out)		Stainless steel (SUS 304) / Steel plate with powder coating(SCP-1)		
Door		Silicon packing door with glass door		
Compressor		1.5HP	2HP	3HP
Shelves		SUS 2ea	SUS 3ea	SUS 5ea
De-humidity heater		Silicon heater 80W x 2ea		
Power (AC220V, 60Hz)		1phase, 16A	1phase, 20A	1phase, 28A
Option Accessories				
Controller		Programmable microprocessor multi-functional P.I.D controller with 5.7" TFT-LCD color monitor touch screen(120-Pattern, 1200Step, 999Cycle)		
Communication		RS-232 or RS-485 interface & communication PC software program, USB converter		
Data acquisition		6 channel digital recorder, Chart type 2 channel, Digital type 2channel, USB memory		