

Oven

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Forced-air Oven
"ThermoStable™ OF-105"



Gravity-air Oven
"ThermoStable™ SON-105"



Hi-clean Air Oven
"ThermoStable™ WOC-560"



Industrial Oven
"ThermoStable™ WOF-L1000"



Vacuum Oven
"ThermoStable™ SOV-70"



WiRe™ App Service
Controlled by Smart-Phone

Cat. No	Description	Articles
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<Continued From...DAIHAN® Forced-air Oven “ThermoStable™ OF”>

Ordering Information

※ 운임 약 ₩ 25,000 별도!

(1) Standard Model, Forced-air, with Wire Shelf

DH.WOF05050	Oven, Standard, 230V, 50 Lit, “ThermoStable OF-50”
DH.WOF05105	, 105 Lit, “ThermoStable OF-105”
DH.WOF05155	, 155 Lit, “ThermoStable OF-155”
DH.WOF05305	, 305 Lit, “ThermoStable OF-305”
DH.WOF06050	Oven, Standard, 120V, 50 Lit, “ThermoStable OF-50”
DH.WOF06105	, 105 Lit, “ThermoStable OF-105”
DH.WOF06155	, 155 Lit, “ThermoStable OF-155”
DH.WOF06305	, 305 Lit, “ThermoStable OF-305”

Ea. Price, ₩

(2) Built in Viewing Window Model, Forced-air, with Wire Shelf

DH.WOF07105	Oven, Window, 230V, 105 Lit, “ThermoStable OF-W105”
DH.WOF07155	, 155 Lit, “ThermoStable OF-W155”
DH.WOF07305	, 305 Lit, “ThermoStable OF-W305”
DH.WOF08105	Oven, Window, 120V, 105 Lit, “ThermoStable OF-W105”
DH.WOF08155	, 155 Lit, “ThermoStable OF-W155”
DH.WOF08305	, 305 Lit, “ThermoStable OF-W305”

Ea. Price, ₩

Spare Stainless-steel Wire Shelf

DH.WOF11050	Wire Shelf, for 50 Lit, “OFS050”, w340×d310mm
DH.WOF11105	, for 105 Lit, “OFS105”, w455×d375mm
DH.WOF11155	, for 155-/305-Lit, “OFS155”, w520×d440mm

Ea. Price, ₩

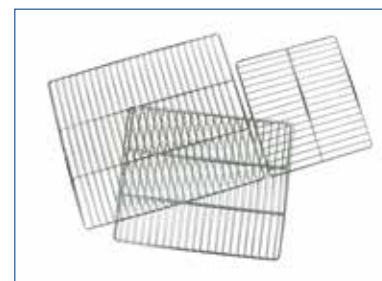
Forced-air Oven with Validation (IQ, OQ) Service

DH.WOF31050	Validation Service(IQ, OQ), with “ThermoStable OF-50”, “OFV1050”
DH.WOF31105	Validation Service(IQ, OQ), with “ThermoStable OF-105”, “OFV1105”
DH.WOF31155	Validation Service(IQ, OQ), with “ThermoStable OF-155”, “OFV1155”
DH.WOF31305	Validation Service(IQ, OQ), with “ThermoStable OF-305”, “OFV1305”
DH.WOF32105	Validation Service(IQ, OQ), with “ThermoStable OF-W105”, “OFV2105”
DH.WOF32155	Validation Service(IQ, OQ), with “ThermoStable OF-W155”, “OFV2155”
DH.WOF32305	Validation Service(IQ, OQ), with “ThermoStable OF-W155”, “OFV2305”

Ea. Price, ₩



(2) Standard-Window Model, Forced-air Oven



Stainless-steel Wire Shelf (Included)

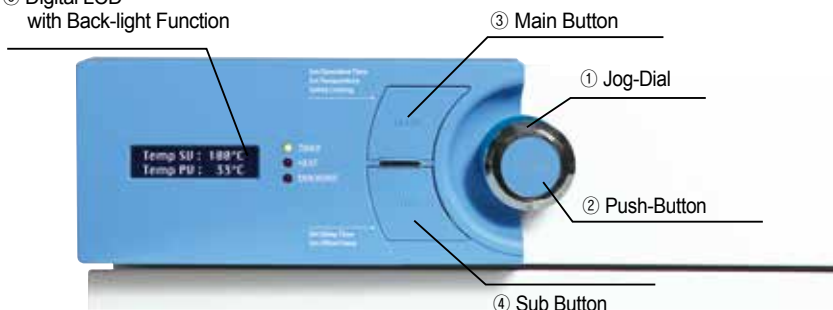


WiseRemote Control Software :
 Connection of Temperature Devices with Interface RS232C to a PC Export Recorded Data(Excel Spreadsheet)

* You can Download this Software at DAIHAN-Sci.com Shopping-mall

» New Jog-Dial Controller

⑤ Digital LCD with Back-light Function



- Provides the user interface with an ergonomic design for users to operate in an easy and convenient way.
- A new 2-way Jog-Dial Knob (Jog Dial + Push Button) and presents excellent durability and mobility.
- High-quality LCD with Back-light function.
- A durable Main Button and a Sub Button that features superb and user-friendly operation.

DAIHAN® SMART Forced-air Oven “ThermoStable™ SOF”, 3-Side Heating Zone, 50 · 105 · 155 · 305 Lit
 With Smart-Lab™ Controller, 4” Full Touch Screen/Fuzzy-PID Control/WiRe™ Service/Certi. & Traceability, up to 250℃, ±0.3℃
 스마트 강제 순환식 정밀 건조기/오븐, 우수한 온도 정확성/균일성, WiRe™서비스, 4인치 풀터치스크린 조절기



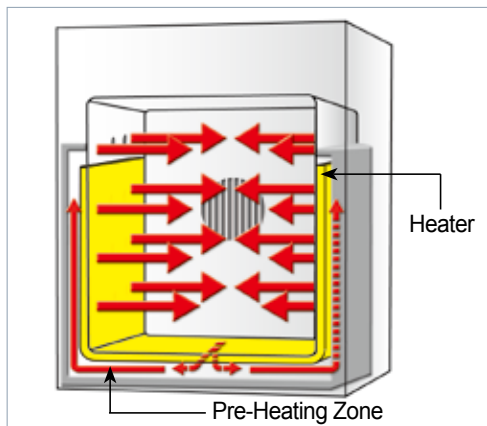
(1) Standard Model, “ThermoStable™ SOF-105”

- Made in Korea
 - CE / UL / CUL Certified(Exclude 305 Lit-model)
 - with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
 - 3-Side Heating Zone : The Best Temp. Uniformity & Accuracy by High Performance Heating Mechanism
 - Digital Fuzzy Control System Implementing Superior Temperature Accuracy
 - Smart-Lab™ Controller
 - Optimized Air Flow by Forced-air Mechanism
 - GD(Good Design)-mark
 - PL(Product Liability) Insurance
- * Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging
 * The Best Temp. Uniformity & Accuracy by High Performance Heating Mechanism : 3 Side-Heating
 * Ergonomic Design 4” Full Touch Screen TFT LCD(Smart-Lab™ Controller)
 * WiRe™ App Service. * Automatic Data Recording
 * Self-Diagnostic Function * Compact New Body Design
 * Variable Program Setting for Multiple Patterns with Multiple Segments
 * Internet Connectivity with WiFi * Controller SW can be upgraded through USB port.
 * The Recorded Data could be transferred to PC by USB memory
 * 2~3ea of Stainless-steel Wire Shelf Included
 * RS232C Interface for Monitoring and Controlling with PC
 * Ambient to 250℃ of Temp. Range, Fluctuation of ±0.3℃ at 100℃
 * Corrosion Resistant 304 Stainless-steel Chamber
 * Over Temperature & Over Current Protection, Sensor Error Detection

Specification

Spec.	Model	(1) SMART Model			
		ThermoStable SOF-50 Max. Capa. 50L	ThermoStable SOF-105 Max. Capa. 105L	ThermoStable SOF-155 Max. Capa. 155L	ThermoStable SOF-305 Max. Capa. 305L
			(2) SMART-Window Model		
		ThermoStable SOF-W105	ThermoStable SOF-W155	ThermoStable SOF-W305	
Capacity	50 Lit	105 Lit	155 Lit	305 Lit	
Dimension (w×d×h)	Interior (mm)	370×345×420	485×415×535	550×480×600	550×470×1,180
	Exterior (mm)	518×647×724	653×712×882	718×777×947	721×777×1,619
Heater Power	650 W	1.4 kW	1.6 kW	3.4 kW	
Temp.	Range	Room Temp +5℃ to 250℃			
	Fluctuation	±0.3℃ at 100℃, ±0.5℃ at 150℃			
	Variation	±1℃ at 100℃, ±1.8℃ at 150℃, ±1℃ at 100℃, ±2℃ at 150℃			
	Sensor	PT 100			
Control Resolution	±0.1℃				
Heat-up Time	25 min. to 100℃, 45 min. to 150℃		25 min. to 100℃, 40 min. to 150℃		
Recovery Time (Door open 30sec)	8 min. to 100℃, 8 min. to 150℃	6 min. to 100℃, 6 min. to 150℃			
Controller	Smart-Lab™ Controller				
RS232 Port	Available to connect with PC				
Display	4” Full Touch Screen TFT LCD				
Timer	99hr 59 min (delay/continuous function)				
Material	Internal	Stainless-steel (#304)			
	External	Powder Coated steel			
	Insulation	Glass Wool			
Shelf (included)	2ea Wire Shelf		3ea Wire Shelf		
	Load per Stainless-steel Wire Shelf : 16 kg				
Ventilation	Ventilation hole with Stainless-steel Cap, Hole Diameter 40mm				
	1ea	2ea	3ea		
	Forced-air Type				
Safety device	Over Temp. and Over Current Protector, Sensor Error Detector				
Others	UL/CUL Certified, CE Certified, GD-mark Storage Function (Temp. and Time), Alarm (Error Status and Timer-end)				
Net Weight (kg)	44	69	78	159	
Packing Size (w×d×h)(mm)	622×754×807	743×819×1,068	808×884×1,133	1,000×1,000×1,870	
Shipping Weight (kg)	59	79	92	219	
Power Consumption	674 W	1390 W	1566 W	3200 W	
Energy Consumption, at 100℃, at 150℃	117 Wh	187 Wh	204 Wh	-	
	230 Wh	337 Wh	398 Wh	-	
Electric Reqts.	120V, 60Hz or 230V, 50/60Hz				

* Other Specifications are available upon Customer's Request.



3-Side Heating Zone Forced-air Mechanism :
 The Best Temp. Uniformity & Accuracy by High Performance Heating Mechanism
 (Exclude SOF-305, SOF-W305)



Perfect Door Lock by Double Latch

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Cat. No	Description	Articles
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<Continued From...DAIHAN® SMART Forced-air Oven "ThermoStable™ SOF">

Ordering Information

※ 운임 약 ₩ 25,000 별도!

(1) Standard Model, Forced-air, with Wire Shelf

DH.SWOF05050	Oven, Standard, 230V, 50 Lit, "ThermoStable SOF-50"
DH.SWOF05105	, 105 Lit, "ThermoStable SOF-105"
DH.SWOF05155	, 155 Lit, "ThermoStable SOF-155"
DH.SWOF05305	, 305 Lit, "ThermoStable SOF-305"
DH.SWOF06050	Oven, Standard, 120V, 50 Lit, "ThermoStable SOF-50"
DH.SWOF06105	, 105 Lit, "ThermoStable SOF-105"
DH.SWOF06155	, 155 Lit, "ThermoStable SOF-155"
DH.SWOF06305	, 305 Lit, "ThermoStable SOF-305"

Ea. Price, ₩

(2) Built in Viewing Window Model, Forced-air, with Wire Shelf

DH.SWOF07105	Oven, Window, 230V, 105 Lit, "ThermoStable SOF-W105"
DH.SWOF07155	, 155 Lit, "ThermoStable SOF-W155"
DH.SWOF07305	, 305 Lit, "ThermoStable SOF-W305"
DH.SWOF08105	Oven, Window, 120V, 105 Lit, "ThermoStable SOF-W105"
DH.SWOF08155	, 155 Lit, "ThermoStable SOF-W155"
DH.SWOF08305	, 305 Lit, "ThermoStable SOF-W305"

Ea. Price, ₩

Spare Stainless-steel Wire Shelf

DH.WOF11050	Wire Shelf, for 50 Lit, "OFS050", w340×d310mm
DH.WOF11105	, for 105 Lit, "OFS105", w455×d375mm
DH.WOF11155	, for 155 / 305 Lit, "OFS155", w520×d440mm

Ea. Price, ₩

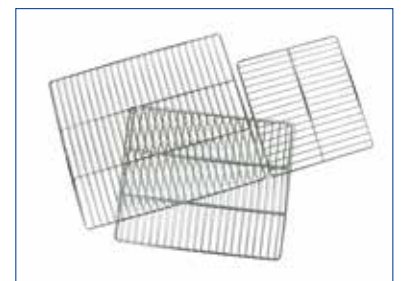
Forced-air Oven with Validation (IQ, OQ) Service

DH.SWOF31050	Validation Service(IQ, OQ), with "SOF-50", "SOFV1050"
DH.SWOF31105	, with "SOF-105", "SOFV1105"
DH.SWOF31155	, with "SOF-155", "SOFV1155"
DH.SWOF31305	, with "SOF-305", "SOFV1305"
DH.SWOF32105	Validation Service(IQ, OQ), with "SOF-W105", "SOFV2105"
DH.SWOF32155	, with "SOF-W155", "SOFV2155"
DH.SWOF32305	, with "SOF-W305", "SOFV2305"

Ea. Price, ₩



(2) SMART-Window Model, Forced-air Oven



Stainless-steel Wire Shelf (Included)

» DAIHAN WiRe™ App Service



4" Full Touch Screen TFT LCD (Smart-Lab™ Controller)

It is possible to monitor and control the Smart-Lab™ equipment through all smart phone, tablet without restraint of time and place.



WiRe™ App Service

Controlled by Smart-Phone

DAIHAN® Gravity-air Oven "ThermoStable™ ON", 3-Side Heating Zone, 32 · 50 · 105 · 155 Lit, up to 230°C, ±0.5°C
 With 2 × Wire Shelves/Digital PID Control/Jog-Dial & Push Button, Digital LCD/Back-light, with Certi. & Traceability
 자연 대류식 정밀 건조기/오븐, 고정밀 디지털 퍼지 제어, 우수한 온도 정확성



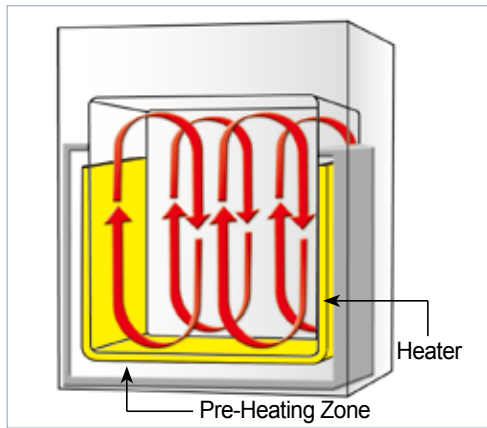
(1) Standard Model, Gravity-air Oven

- Made in Korea
- UL / CUL Certified
- CE Certified
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- 3-Side Heating Zone : The Best Temp. Uniformity & Accuracy by High Performance Heating Mechanism
- Digital PID Control System Implementing Superior Temperature Accuracy
- Optimized Air Flow by Gravity-air Mechanism
- Patented Jog-Dial Control System
- GD(Good Design)-mark
- PL(Product Liability) Insurance
- * Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging
- * The Best Temp. Uniformity & Accuracy by High Performance Heating Mechanism : 3-Side Heating
- * New Jog-Dial with Push Button
- * Compact New Body Design
- * 2 ea of Stainless-steel Wire Shelf Included
- * Alarm Function : Error status and Timer-end
- * RS232C Interface for Monitoring and Controlling with PC
- * Ambient +5°C to 230°C Range with Fluctuation of ±0.5°C at 100°C
- * Storage Function of Temperature and Timer setting values
- * Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be disabled)
- * Corrosion Resistant 304 Stainless-steel Chamber
- * Over Temperature & Over Current Protection, Sensor Error Detection

Specification

Spec.	Model	(1) Standard Model			
		ON-32 Max. Capa. 32L	ON-50 Max. Capa. 50L	ON-105 Max. Capa. 105L	ON-155 Max. Capa. 155L
		(2) Standard-Window Model			
		ON-W105	ON-W155		
Capacity		32 Lit	50 Lit	105 Lit	155 Lit
Dimension (w × d × h)	Interior (mm)	310 × 290 × 360	370 × 350 × 420	485 × 409 × 535	550 × 474 × 600
	Exterior (mm)	458 × 557 × 664	518 × 647 × 724	653 × 712 × 882	718 × 777 × 947
Heater Power		500 W	650 W	1.4 kW	1.6 kW
Temp.	Range	Room Temp +5°C to 230°C			
	Fluctuation	± 0.5°C at 100°C, ± 0.6°C at 150°C			± 0.5°C at 100°C, ± 0.8°C at 150°C
	Variation	± 1.2°C at 100°C, ± 2.2°C at 150°C			
	Sensor	PT 100			
Control Resolution		±0.1°C			
Heat-up Time		30 min. to 100°C, 43 min. to 150°C	30 min. to 100°C, 45 min. to 150°C	35 min. to 100°C, 50 min. to 150°C	
Recovery Time (Door open 30sec)		8 min. to 100°C, 10 min. to 150°C		10 min. to 100°C, 12 min. to 150°C	
Controller		Digital PID Control by Advanced Microprocessor Jog-Dial with Push Button			
RS232 Port		Available to connect with PC			
Display		Digital LCD with Back Light			
Timer		99hr 59 min (delay/continuous function)			
Material	Internal	Stainless-steel (#304)			
	External	Powder Coated steel			
	Insulation	Glass Wool			
Shelf		2ea of Stainless-steel Wire Shelf included, Load per Shelf : 16 kg			
Ventilation		Ventilation hole with Stainless-steel Cap, Hole Diameter 40mm			
		1ea	2ea		
Circulation		Gravity-air Type			
Safety device		Over Temp. and Over Current Protector, Sensor Error Detector			
Others		UL/CUL Certified, CE Certified, GD-mark			
		Storage Function (Temp. and Time)			
		Locking Mode (Jog-Dial Input Disabled)			
		Alarm (Error Status and Timer-end)			
Net Weight (kg)		36	44	69	78
Packing Size (w × d × h) (mm)		562 × 664 × 747	622 × 754 × 807	743 × 819 × 1,068	808 × 884 × 1,133
Shipping Weight (kg)		43	59	79	92
Power Consumption		502 W	674 W	1390 W	1566 W
Energy Consumption, at 100°C		90 Wh	117 Wh	187 Wh	204 Wh
	, at 150°C	181 Wh	230 Wh	337 Wh	398 Wh
Electric Reqt.s.		120V, 60Hz or 230V, 50/60Hz			

* Other Specifications are available upon Customer's Request.



3-Side Heating Zone : The Best Temp. Uniformity & Accuracy by High Performance Heating Mechanism (Gravity-air Mechanism)



Perfect Door Lock by Double Latch

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Cat. No	Description	Articles
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<Continued From...DAIHAN® Gravity-air Oven "ThermoStable™ ON">

Ordering Information

※ 운임 약 ₩ 25,000 별도!

(1) Standard Model, Gravity-air, with Wire Shelf

		Ea. Price, ₩
DH.WON05032	Oven, Standard, 230V, 32 Lit, "ThermoStable ON-32"	
DH.WON05050	, 50 Lit, "ThermoStable ON-50"	
DH.WON05105	, 105 Lit, "ThermoStable ON-105"	
DH.WON05155	, 155 Lit, "ThermoStable ON-155"	
DH.WON06032	Oven, Standard, 120V, 32 Lit, "ThermoStable ON-32"	
DH.WON06050	, 50 Lit, "ThermoStable ON-50"	
DH.WON06105	, 105 Lit, "ThermoStable ON-105"	
DH.WON06155	, 155 Lit, "ThermoStable ON-155"	

(2) Built in Viewing Window Model, Gravity-air, with Wire Shelf

		Ea. Price, ₩
DH.WON07105	Oven, Window, 230V, 105 Lit, "ThermoStable ON-W105"	
DH.WON07155	, 155 Lit, "ThermoStable ON-W155"	
DH.WON08105	Oven, Window, 120V, 105 Lit, "ThermoStable ON-W105"	
DH.WON08155	, 155 Lit, "ThermoStable ON-W155"	

Spare Stainless-steel Wire Shelf

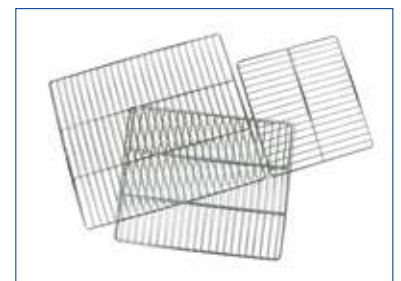
		Ea. Price, ₩
DH.WON11032	Wire Shelf, for 32 Lit., "ONS032", w280×d280mm	
DH.WON11050	, for 50 Lit., "ONS050", w340×d310mm	
DH.WON11105	, for 105 Lit., "ONS105", w455×d375mm	
DH.WON11155	, for 155 Lit., "ONS155", w520×d440mm	

Gravity-air Oven with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WON31032	Validation Service(IQ, OQ), with "ON-32", "ONV1032"	
DH.WON31050	, with "ON-50", "ONV1050"	
DH.WON31105	, with "ON-105", "ONV1105"	
DH.WON31155	, with "ON-155", "ONV1155"	
DH.WON32105	Validation Service(IQ, OQ), with "ON-W105", "ONV2105"	
DH.WON32155	, with "ON-W155", "ONV2155"	



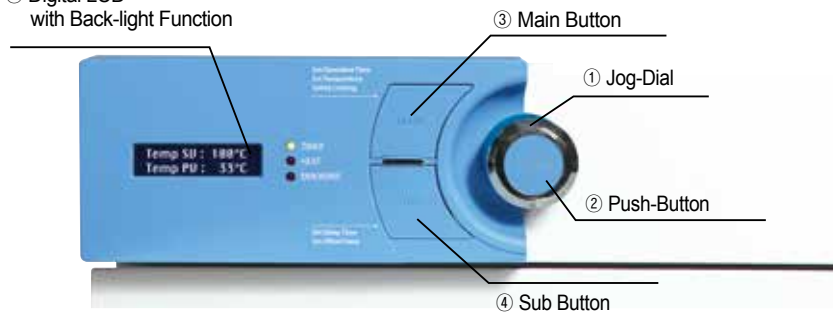
(2) Standard-Window Model, Gravity-air Oven



Stainless-steel Wire Shelf (Included)

» New Jog-Dial Controller

⑤ Digital LCD with Back-light Function



- Provides the user interface with an ergonomic design for users to operate in an easy and convenient way.
- A new 2-way Jog-Dial Knob (Jog Dial + Push Button) and presents excellent durability and mobility.
- High-quality LCD with Back-light function.
- A durable Main Button and a Sub Button that features superb and user-friendly operation.



WiseRemote Control Software :
 Connection of Temperature Devices with Interface RS232C to a PC Export Recorded Data(Excel Spreadsheet)

* You can Download this Software at DAIHAN-Sci.com Shopping-mall

DAIHAN® SMART Gravity-air Oven "ThermoStable™ SON", 3-Side Heating Zone, 32 · 50 · 105 · 155 Lit
 With Smart-Lab™ Controller, 4" Full Touch Screen, Fuzzy-PID Control, WiRe™ Service, with Certi. & Traceability, up to 230°C, ±0.5°C
 스마트 자연 대류식 정밀 건조기/오븐, 우수한 온도 정확성/균일성, WiRe™서비스, 4인치 풀터치스크린 조절기



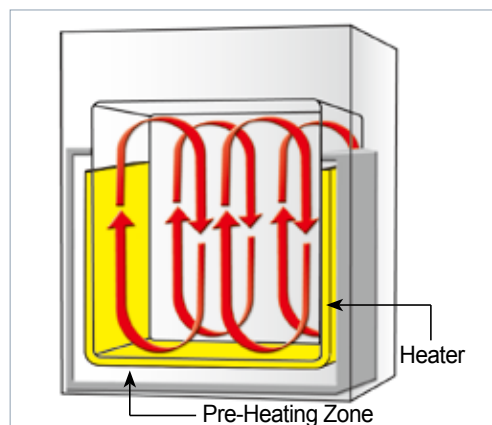
(1) Standard Model, "ThermoStable™ SON-105"

- Made in Korea
 - UL / CUL Certified
 - CE Certified
 - with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
 - 3-Side Heating Zone : The Best Temp. Uniformity & Accuracy by High Performance Heating Mechanism
 - Digital Fuzzy Control System Implementing Superior Temperature Accuracy
 - Smart-Lab™ Controller
 - Optimized Air Flow by Gravity-air Mechanism
 - GD(Good Design)-mark
 - PL(Product Liability) Insurance
- * Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging
 - * Ergonomic Design 4" Full Touch Screen TFT LCD(Smart-Lab™ Controller)
 - * WiRe™ App Service.
 - * Automatic Data Recording
 - * Self-Diagnostic Function
 - * Internet Connectivity with WiFi
 - * Variable Program Setting for Multiple Patterns with Multiple Segments
 - * The Recorded Data could be transferred to PC by USB memory
 - * Controller SW can be upgraded through USB port.
 - * Compact New Body Design
 - * 2 ea of Stainless-steel Wire Shelf Included
 - * RS232C Interface for Monitoring and Controlling with PC
 - * Ambient to 230°C of Temp. Range, Fluctuation of ±0.5°C at 100°C
 - * Corrosion Resistant 304 Stainless-steel Chamber
 - * Over Temperature & Over Current Protection, Sensor Error Detection

Specification

Spec.	Model	(1) SMART Model			
		SON-32 Max. Capa. 32L	SON-50 Max. Capa. 50L	SON-105 Max. Capa. 105L	SON-155 Max. Capa. 155L
				(2) SMART-Window Model	
		SON-W105	SON-W155		
Capacity		32 Lit	50 Lit	105 Lit	155 Lit
Dimension (w×d×h)	Interior (mm)	310×290×360	370×350×420	485×409×535	550×474×600
	Exterior (mm)	458×557×664	518×647×724	653×712×882	718×777×947
Heater Power		500 W	650 W	1.4 kW	1.6 kW
Temp.	Range	Room Temp +5°C to 230°C			
	Fluctuation	± 0.5°C at 100°C, ± 0.6°C at 150°C			± 0.5°C at 100°C, ± 0.8°C at 150°C
	Variation	± 1.2°C at 100°C, ± 2.2°C at 150°C			
	Sensor	PT 100			
Control Resolution		±0.1°C			
Heat-up Time	30 min. to 100°C, 43 min. to 150°C	30 min. to 100°C, 45 min. to 150°C		35 min. to 100°C, 50 min. to 150°C	
	Recovery Time (Door open 30sec)	8 min. to 100°C, 10 min. to 150°C		10 min. to 100°C, 12 min. to 150°C	
Controller	Smart-Lab™ Controller				
RS232 Port	Available to connect with PC				
Display	4" Full Touch Screen TFT LCD				
Timer	99hr 59 min (delay/continuous function)				
Material	Internal	Stainless-steel (#304)			
	External	Powder Coated steel			
	Insulation	Glass Wool			
Shelf	2ea of Stainless-steel Wire Shelf included, Load per Shelf : 16 kg				
Ventilation	Ventilation hole with Stainless-steel Cap, Hole Diameter 40mm				
	1ea		2ea		
Circulation	Gravity-air Type				
Safety device	Over Temp. and Over Current Protector, Sensor Error Detector				
Others	UL/CUL Certified, CE Certified, GD-mark				
	Storage Function (Temp. and Time)				
	Locking Mode (Jog-Dial Input Disabled)				
	Alarm (Error Status and Timer-end)				
Net Weight (kg)	36	44	69	78	
Packing Size (w×d×h) (mm)	562×664×747	622×754×807	743×819×1,068	808×884×1,133	
Shipping Weight (kg)	43	59	79	92	
Power Consumption	502 W	674 W	1390 W	1566 W	
Energy Consumption, at 100°C , at 150°C	90 Wh	117 Wh	187 Wh	204 Wh	
	181 Wh	230 Wh	337 Wh	398 Wh	
Electric Reqts.	120V, 60Hz or 230V, 50/60Hz				

* Other Specifications are available upon Customer's Request.



3-Side Heating Zone : The Best Temp. Uniformity & Accuracy by High Performance Heating Mechanism (Gravity-air Mechanism)



Perfect Door Lock by Double Latch

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Cat. No	Description	Articles
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<Continued From...DAIHAN® SMART Gravity-air Oven "ThermoStable™ SON">

Ordering Information

※ 운임 약 ₩ 25,000 별도!

(1) Standard Model, Gravity-air, with Wire Shelf

DH.SWON05032	Oven, Standard, 230V, 32 Lit, "ThermoStable SON-32"	Ea. Price, ₩
DH.SWON05050	, 50 Lit, "ThermoStable SON-50"	
DH.SWON05105	, 105 Lit, "ThermoStable SON-105"	
DH.SWON05155	, 155 Lit, "ThermoStable SON-155"	
DH.SWON06032	Oven, Standard, 120V, 32 Lit, "ThermoStable SON-32"	
DH.SWON06050	, 50 Lit, "ThermoStable SON-50"	
DH.SWON06105	, 105 Lit, "ThermoStable SON-105"	
DH.SWON06155	, 155 Lit, "ThermoStable SON-155"	

(2) Built in Viewing Window Model, Gravity-air, with Wire Shelf

DH.SWON07105	Oven, Window, 230V, 105 Lit, "ThermoStable SON-W105"	Ea. Price, ₩
DH.SWON07155	, 155 Lit, "ThermoStable SON-W155"	
DH.SWON08105	Oven, Window, 120V, 105 Lit, "ThermoStable SON-W105"	
DH.SWON08155	, 155 Lit, "ThermoStable SON-W155"	

Spare Stainless-steel Wire Shelf

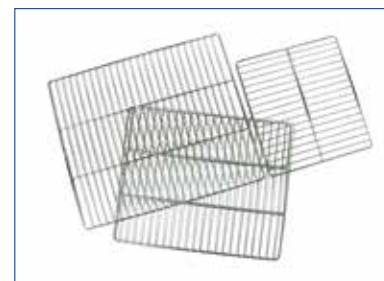
DH.WON11032	Wire Shelf, for 32 Lit, "ONS032", w280×d280mm	Ea. Price, ₩
DH.WON11050	, for 50 Lit, "ONS050", w340×d310mm	
DH.WON11105	, for 105 Lit, "ONS105", w455×d375mm	
DH.WON11155	, for 155 Lit, "ONS155", w520×d440mm	

Gravity-air Oven with Validation (IQ, OQ) Service

DH.SWON31032	Validation Service(IQ, OQ), with "SON-32", "SONV1032"	Ea. Price, ₩
DH.SWON31050	, with "SON-50", "SONV1050"	
DH.SWON31105	, with "SON-105", "SONV1105"	
DH.SWON31155	, with "SON-155", "SONV1155"	
DH.SWON32105	Validation Service(IQ, OQ), with "SON-W105", "SONV2105"	
DH.SWON32155	, with "SON-W155", "SONV2155"	



(2) SMART-Window Model, Gravity-air Oven



Stainless-steel Wire Shelf (Included)

» DAIHAN WiRe™ App Service



4" Full Touch Screen TFT LCD (Smart-Lab™ Controller)

It is possible to monitor and control the Smart-Lab™ equipment through all smart phone, tablet without restraint of time and place.



WiRe™ App Service

Controlled by Smart-Phone

“ThermoStable™ WOC” High Clean Air Oven, with Class 100 HEPA Filter, 560 · 800 Lit, with Certi. & Traceability
 With Chrome Coated Steel Wire Shelves, Digital Fuzzy Control System, Clean Air Convection Mechanism, up to 250°C, ±1.0°C
 청정 고온 건조기/오븐, 고정밀 디지털 퍼지 제어, 우수한 청정도



High Clean Air Oven, with HEPA Filter
 “ThermoStable™ WOC-560”

- Made in Korea ■ CE Certified ■ PL (Product Liability) Insurance
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Specially Designed Clean Air Convection Mechanism Provides Dynamic Air Flow for Exhaust of Contaminated Air from the Chamber and Supply of Filtered Clean Air into the Chamber
- Digital Fuzzy Control System Implementing Superior Temperature Accuracy.
- Patented Jog-Shuttle Control System
- * Suitable for Critical Clean Application such as Electronics, Semiconductor, Pharmaceutical and Clinical Applications-Class 100 HEPA Filter is used.
- * Specially Designed Clean Air Convection Mechanism Provides Dynamic Air Flow for Exhaust of Contaminated Air from the Chamber and Supply of Filtered Clean Air into the Chamber
- * Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- * User's Self-Compensation Function to Control Difference between Real Temp. and Indicated Temp. (±20.0°C)
- * Storage Function : Set Values of Temperature and Timer
- * Locking Mode Supported for Experimental Safety(Input to Jog-Shuttle can be Disabled)
- * Over Temperature & Over Current Protection, Sensor Error Detection

Specifications & Ordering information

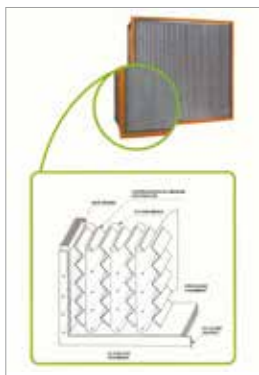
Spec.	Model	“WOC-560” Max. Capa. 560L	“WOC-800” Max. Capa. 800L
Capacity		560 Lit	800 Lit
Air Flow-type		High Clean Air Convection Mechanism	
Filter for Clean Air		HEPA Filter Class 100 for High Temperature	
Temp.	Range & Sensor	Room Temp. +5°C to 250°C, PT100 Sensor	
	Accuracy & Uniformity	± 1.0°C, ± 2.0°C at 200°C	
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end	
Display		Digital LCD with Back Light	
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch(Turn+Push)	
Verification		Timer Operated Verification System	
Resolution		Control : ± 1.0°C, Display : ± 1.0°C	
Shelf		3ea of Perforated Shelf of Adjustable Position	
Load per Rack		16 kg, Total : 48 kg (16kg × 3 Shelf)	
Safety Circuit		Over Temp. and Over Current Protector, Sensor Error Detector	
Material		Internal : Stainless-steel (# 304), External : Powder Coated steel, Insulation : Glass Wool	
Others		Storage Function, Locking Mode	
Dimension (w × d × h)	Interior (mm)	800 × 700 × 1,000	1,000 × 800 × 1,000
	Exterior (mm)	1,000 × 1,155 × 1,735	1,500 × 1,200 × 1,900
Packing Size (w × d × h) (mm) & Gross Weight		1,200 × 1,400 × h2,120mm, 386 kg	1,700 × 1,400 × h2,270mm, 446 kg
Power Consumption		6.5 kW	9.4 kW
Electric Reqts.		60Hz or AC 230V, 380V 50/60Hz or 3 Phase	
Cat. No.	230V 3 Phase	DH.WOC00560	DH.WOC00800
	380V 3 Phase	DH.WOC03560	DH.WOC03800
Price, Each. ₩			

* Other Specifications are available upon Customer's Request.

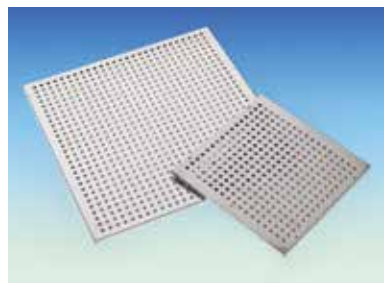
※ 운임 약 ₩ 85,000 별도!



High Efficiency and High Clean Air Convection Mechanism



High Temp. HEPA Filter



(1) Perforated Shelf, Stainless-steel (Included)

Spare Perforated Shelf, Stainless-steel

	Ea. Price, ₩
DH.WOC10560 (1) Perforated Shelf, “OCS560”, w780 × d680, for “WOC-560”	
DH.WOC10800 “OCS800”, w980 × d880, for “WOC-800”	

Optional N₂ Gas Inlet Device

	Ea. Price, ₩
DH.WOCN2GIN N ₂ Gas Inlet Device, “WOC-N2GIN”	

High Clean Air Oven with Validation (IQ, OQ) Service

	Ea. Price, ₩
DH.WOC30560 Validation Service(IQ, OQ), with “WOC-560”, “OCV560”	
DH.WOC30800 , with “WOC-800”, “OCV800”	

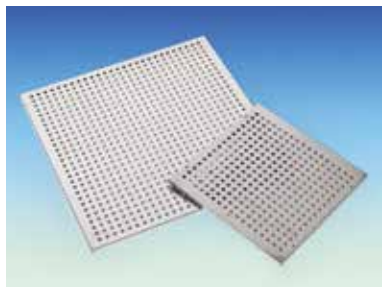
Articles	Cat. No	Description
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“ThermoStable™ WOF” Industrial Forced-air Oven, 486 · 840 · 1176 Lit, with Certi. & Traceability
 With Stainless-steel Perforated Shelves, Digital PID Control System, Superior Temp. Accuracy, up to 250°C, ±1.0°C
 대용량 산업용 열풍 순환식 건조기 / 오븐, 우수한 온도 정확성



2-Year Warranty

Industrial Forced-air Oven “ThermoStable™ WOF-L1000” with Stainless-steel Perforated Shelf



(1) Perforated Shelf, Stainless-steel (Included)

- **Made in Korea** ■ **CE Certified** ■ **PL (Product Liability) Insurance**
- **with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System**
- **Heavy Forced Air-Circulation by Strong and Reliable Fan System : ideal for Semiconductor and Electronic Parts Baking Purpose**
- * Heavy Forced Air-Circulation by Strong and Reliable Fan System : Ideal for Semiconductor and Electronic Parts Baking Purpose
- * Voltage and Ampere Meter Equipped for Monitoring Safe Operation of the Machine
- * Digital PID Control System Enables Superior Temperature Accuracy
- * Digital Timer Function with Buzzer Alarm : up to 99 hrs 59 min
- * Locker is Available for Operational Safety Control by an Administrator
- * Over Temperature & Over Current Protection, Sensor Error Detection and Leakage Breaking
- * Multi-Channel Temperature Sensors with Digital Display for Monitoring Temperature Uniformity in the Chamber is available(Optional)
- * Default Damper to Enhance Thermal Efficiency * Automatic Gas Exhaust Available (Optional)

Specifications & Ordering information

Spec.	Model	“WOF-L400”	“WOF-L800”	“WOF-L1000”
		Max. Capa. 486L	Max. Capa. 840L	Max. Capa. 1,176L
Capacity		486 Lit	840 Lit	1,176 Lit
Air Flow-type		Forced-air Type		
Air Circulation Fan Motor		1/3HP	1/3 HP × 2 ea	1/3HP × 3 ea
Temp.	Range	Room Temp. +5 °C to 250 °C		
	Accuracy	± 1.0 °C at 150 °C		
	Uniformity	± 2.0 °C at 150 °C		
	Sensor	PT100		
Heating Power/Consumption		3 kW	5 kW	7 kW
Timer & Alarm		99hr 59min (with Continuous run.), Timer-end Alarm		
Display		2 lines LED for Temperature and Timer		
Controller		Digital PID Control		
Resolution		Control : ±1.0°C, Display : ±1.0°C		
Door		Powder coated Steel Door with Silicon Packing		
		1 Door	2 Doors	
Shelf		Included Stainless-steel Perforated Shelf		
		3 ea	3 ea	6 ea
Load per Rack		16 kg		
Permitted Total Load		48 kg (16kg×3 Shelf)		96 kg (16kg×6 Shelf)
Material		Internal : Stainless-steel (# 304), External : Powder Coated steel, Insulation : Ceramic and Glass Wool Board		
Dimension (w×d×h)	Interior (mm)	900×600×900	1,250×700×960	1,400×700×1,200
	Exterior (mm)	1,200×750×1,700	1,500×840×1,800	1,650×840×2,150
Net Weight		316 kg	408 kg	478 kg
Others		Over Temp. and Over Current Protector, Sensor Error Detector, Leakage Breaker Locking Mode by Mechanical Locker		
Packing Size (w×d×h) (mm) & Gross Weight		1,400×1,220×1,960	1,700×1,310×2,060	1,850×1,310×2,410
		376 kg	488 kg	568 kg
Power Consumption		3.6 kW	6.2 kW	8.8 kW
Electric Reqts.		1Phase AC 230V, 50/60Hz	1Phase AC 230V, 50/60Hz	3Phase AC 380V, 50/60Hz
Cat. No.	230V	DH.WOFL0400	DH.WOFL0800	-
	3 Phase	-	DH.WOFL0802	DH.WOFL1002
Price, Each. ₩				

* Other Specifications are available upon Customer's Request. ※ **운임 약 ₩ 85,000 별도!**

Spare Perforated Shelf, Stainless-steel

- DH.WOF10400 (1) Perforated Shelf, “OFLS400”, w880×d580mm, for “WOF-400”
- DH.WOF10800, “OFLS800”, w1230×d680mm, for “WOF-800”
- DH.WOF11000, “OFLS1000”, w660×d680mm, for “WOF-1000”

Ea.	Price, ₩

Industrial Forced Convection Oven with Validation (IQ, OQ) Service

- DH.WOF30400 Validation Service(IQ, OQ), with “WOF-L400”, “OFLV400”
- DH.WOF30800, with “WOF-L800”, “OFLV800”
- DH.WOF31000, with “WOF-L1000”, “OFLV1000”, 3Phase

Ea.	Price, ₩

DAIHAN® Gas Exchangeable Precise Vacuum Oven “ThermoStable™ OV”, 20 · 30 · 70 Lit, 10~750 mmHg, 200℃ With Highly Safety View Window, 2 Al-Shelf, Digital PID Control, Superior Temp. & Vacuum Accuracy, with Certi. & Traceability Excellent Thermal Conductivity, 정밀 진공 건조기/오븐, 고정밀 디지털 퍼지 제어, 알루미늄 선반 포함



Precise Vacuum Oven “ThermoStable™ OV-30”

- ▶ Gas Exchangeable, High Heat Conduction and New Jog-Dial Controller & Precise Gauge
- ▶ WiseRemote Control Software ; Download at DAIHAN-Sci.com.
- Made in Korea ■ UL / CUL & CE Certified
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Suitable for Drying, Baking, Conditioning, Curing, Out-Gassing Solids and Liquids, Vacuum Embedding, Moisture Testing, Plating and Aging Test
- Patented Jog-Dial Control System and Back-Light LCD
- PL(Product Liability) Insurance
- * Very Easy and Convenient for Vacuuming and Venting, Easy to read Vacuum Gauge
- * Highly Safety Viewing Window (Tempered Safety Glass + Polycarbonate Window)
- * Heavy-duty Safety Front Door for User Safety
- * RS232C Interface for Remote Monitoring and Controlling with PC
- * Superior Uniformity and Stability * Storage Function : Alarm & Timer
- * High Quality Door Sealing : High Temperature Grade Silicone Molded Gasket
- * Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be disabled)

Specifications & Ordering information

Spec.	Model	ThermoStable™ OV-20 Max. Capa. 20 Lit	ThermoStable™ OV-30 Max. Capa. 30 Lit	ThermoStable™ OV-70 Max. Capa. 70 Lit
Capacity		20 Lit	30 Lit	70 Lit
Vacuum Range & Level & Rate		10 ~ 750 mmHg, 0.63mbar, 0.39mbar/hr		
Temp.	Range / Sensor	R/T +10℃ to 200℃, PT100		
	Accuracy	± 0.5℃ at 100℃ & 150℃		
	Uniformity	± 2.0℃ at 100℃, ± 3.0℃ at 150℃	± 2.5℃ at 100℃, ± 3.5℃ at 150℃	
Heating Power/Consumption		170W×2ea 130W×2ea	350W×2ea 450W×2ea	
Heat-up Time		60 min. to 100℃, 90 min. to 150℃	70 min. to 100℃, 100 min. to 150℃	80 min. to 100℃, 100 min. to 150℃
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end		
Display		Digital LCD with Back Light		
Controller		Digital PID Controller with Jog-Dial Switch (Turn & Push)		
Resolution		Control : ± 1.0℃, Display : ± 1.0℃		
Shelf (Included)		2 Aluminum Shelf		
Safety Circuit		Over Temp. & Over Current Protector, Sensor Error Detector, Leakage Breaker		
Material		Internal : Stainless-steel (# 304), External : Powder Coated steel, Window : Tempered Safety Glass 12T, Poly Carbonate 5T for Safety		
Others		Storage Function (Temp and Timer), Locking Mode (Jog-Dial Input Disabled)		
Dimension (w×d×h)	Interior (mm)	265×290×265	300×330×300	400×435×400
	Exterior (mm)	480×475×547	515×515×582	618×620×682
Vacuum Inlet Valve Size		od. 10 mm		
Net Weight		48 kg	55 kg	85 kg
Packing Size (w×d×h) (mm) & Gross Weight		570×570×775	605×605×815	710×710×910
		59 kg	67 kg	100 kg
Power Consumption		600 W	600 W	1.6 kW
Electric Rqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz		
Cat. No.	230V	DH.WOV03020	DH.WOV03030	DH.WOV03070
	120V	DH.WOV04020	DH.WOV04030	DH.WOV04070
Price, Each. ₩				

* Other Specifications are available upon Customer's Request. ※ 운임 약 ₩ 25,000 별도!

Spare Aluminum Shelf

DH.WOV12020 (1) Standard Shelf, Alu., “OVSN020”, 260×245×h3mm, for 20 Lit
 DH.WOV12030 “OVSN030”, 290×285×h3mm, for 30 Lit
 DH.WOV12070 “OVSN070”, 390×390×h3mm, for 70 Lit

Ea. Price, ₩

※ Note! Optional Vacuum Pump : See the “Pump” Section.



WiseRemote Control Software :

Connection of Temperature Devices with Interface RS232C to a PC Export Recorded Data(Excel Spreadsheet)

* You can Download this Software at DAIHAN-Sci.com Shopping-mall



Pressure Gauge



(1) Standard Shelf, Al.(Included)

Articles	Cat. No	Description
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DAIHAN® SMART Vacuum Oven “ThermoStable™ SOV”, Highly Safety Viewing Window, 20 · 30 · 70 Lit, 200°C With **Smart-Lab™ Controller**, 4” Full Touch Screen, Fuzzy-PID Control, Superior Temp. & Vacuum Accuracy, 10~750 mmHg 스마트 진공 건조기/오븐, 고정밀 디지털 퍼지 제어, 알루미늄 선반 포함, with Certi. & Traceability



- **Made in Korea** ■ **UL / CUL & CE Certified** ■ **PL(Product Liability) Insurance**
- **with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System**
- **Suitable for Drying, Baking, Conditioning, Curing, Out-Gassing Solids and Liquids, Vacuum Embedding, Moisture Testing, Plating and Aging Test**
- **Smart-Lab™ Controller**
 - WiRe™ App Service. - Automatic Data Recording
 - Self-Diagnostic Function - Internet Connectivity with WiFi
 - Variable Program Setting for Multiple Patterns with Multiple Segments
 - The Recorded Data Could be transferred to PC by USB memory
 - Controller SW can be upgraded through USB port.

- * Very Easy and Convenient for Vacuuming and Venting, Easy to read Vacuum Gauge
- * Highly Safety Viewing Window (Tempered Safety Glass+ Polycarbonate Window)
- * Heavy-duty Safety Front Door for User Safety * Compact New Body Design
- * High Quality Door Sealing : High Temperature Grade Silicone Molded Gasket
- * Over Temperature & Over Current Protection and Sensor Error Detection

Specifications & Ordering information

Spec.	Model	ThermoStable™ SOV-20	ThermoStable™ SOV-30	ThermoStable™ SOV-70
		Max. Capa. 20 Lit	Max. Capa. 30 Lit	Max. Capa. 70 Lit
Capacity		20 Lit	30 Lit	70 Lit
Vacuum Range & Level & Rate		10 ~ 750 mmHg, 0.63mbar, 0.39mbar/hr		
Temp.	Range / Sensor	R/T +10 °C to 200 °C, PT100		
	Accuracy	± 0.5°C at 100°C & 150°C		
	Uniformity	± 2.0°C at 100°C, ± 3.0°C at 150°C	± 2.5°C at 100°C, ± 3.5°C at 150°C	
Heating Power/Consumption		170W×2ea 130W×2ea	350W×2ea 450W×2ea	
Heat-up Time		60 min. to 100 °C, 90 min. to 150 °C	70 min. to 100 °C, 100 min. to 150 °C	80 min. to 100 °C, 100 min. to 150 °C
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end		
Display		4" Full Touch Screen TFT LCD		
Controller		Smart-Lab™ Controller		
Resolution		Control : ± 1.0°C, Display : ± 1.0°C		
Shelf		Included 2ea Aluminum Shelf		
Safety Circuit		Over Temp. & Over Current Protector, Sensor Error Detector, Leakage Breaker		
Material		Internal : Stainless-steel (# 304), External : Powder Coated steel, Window : Tempered Safety Glass 12T, Poly Carbonate 5T for Safety		
Others		Program Function, WiRe™ App & Web Service.		
Dimension (w×d×h)	Interior (mm)	265×290×265	300×330×300	400×435×400
	Exterior (mm)	480×475×547	515×515×582	618×620×682
Vacuum Inlet Valve Size		od. 10 mm		
Net Weight		48 kg	55 kg	85 kg
Packing Size (w×d×h) (mm) & Gross Weight		570×570×775	605×605×815	710×710×910
		59 kg	67 kg	100 kg
Power Consumption		600 W	600 W	1.6 kW
Electric Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz		
Cat. No.	230V	DH.SWOV03020	DH.SWOV03030	DH.SWOV03070
	120V	DH.SWOV04020	DH.SWOV04030	DH.SWOV04070
Price, Each. ₩				

* Other Specifications are available upon Customer's Request.

※ 운임 약 ₩ 25,000 별도!

Spare Aluminum Shelf

DH.WOV12020 (1) Standard Shelf, Alu., “OVSNO20”, 260×245×h3mm, for 20 Lit
 DH.WOV12030 “OVSNO30”, 290×285×h3mm, for 30 Lit
 DH.WOV12070 “OVSNO70”, 390×390×h3mm, for 70 Lit

Ea.	Price, ₩

※ Note! Optional Vacuum Pump : See the “Pump” Section.



Display of Smart-Lab™ Controller



Pressure Gauge



(1) Standard Shelf, Al.(Included)

If undelivered please return to below address

Book Post



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