

Ovens

- Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- Unified Jog-Shuttle(Turn + Push) Control System and Patented User-interface
- Over Temperature & Over Current Protector and Sensor Error Detector
- UL / CUL Certified - WOF, WON, WOV models

❖ High Clean Air Oven	P. 106, 107
❖ Industrial Forced Convection Oven	P. 108, 109
❖ Ovens, Forced Convection-type	P. 102, 103
❖ Ovens, Gravity/Natural Flow-type	P. 104, 105
❖ Vacuum Oven	P. 110, 111

❖ **High-Clean Air Oven**
(WOC model)



❖ **Oven, Gravity/Natural-Flow Type**
(WOF/WON model)



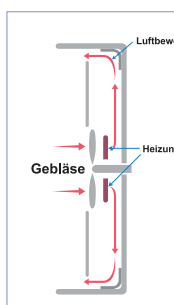
❖ **Precise Vacuum Oven**
(WOV model)



“witeg” WiseVen® WOF Ovens, Forced Convection-type, Horizontal-Flow, 50-/105-/155-/305-Lit.
with Wire Shelves, Digital Fuzzy Control, Maximum Temp. Uniformity, Perfect Heat Insulation, up to 250°C, $\pm 0,3^\circ\text{C}$



(1) Oven, Forced Convection-type, Standard Model, with Wire Shelves “WOF-155”



Forced Convection Mechanism



Rear-side Fan/Heater Mechanism for Maximum Temp. Uniformity

- Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- Optimized Air Flow by Forced Convection Mechanism
- **Patented Jog-Shuttle Control System**
- CE Certified ■ UL/CUL Certified

- * Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging
- * Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- * High-Quality LCD Display with Back-Light Function Used
- * RS232C Interface for Remote Monitoring and Controlling with PC
- * Ambient $+5^\circ\text{C}$ to 250°C Range with Accuracy of $\pm 0,3^\circ\text{C}$
- * Maximum Temp. Uniformity by Forced Convection : Rear-Side Fan/Heater Mechanism ($\pm 1\%$ uniformity)
- * Corrosion Resistant 304 Stainless Steel Chamber and Shelves
- * Perfect Heat Insulation Made by Heat-Resistant Rubber Packing and Air Flow Layer(AFL).
- * Over Temperature & Over Current Protector and Sensor Error Detector
- * 2~3 Stainless Steel shelves are Included

Specification

Model		(1) Standard Model, without Window			
		“WOF-50”	“WOF-105”	“WOF-155”	“WOF-305”
			(2) Built-in Viewing Window Model		
			“WOF-W105”	“WOF-W155”	“WOF-W305”
Air Flow-type		Forced Convection-type, Blower FAN			
Capacity		50 Lit.	105 Lit.	155 Lit.	305 Lit.
Temp.	Range	Ambient $+5^\circ\text{C}$ to 250°C			
	Accuracy	$\pm 0,3^\circ\text{C}$ at 100°C			
	Uniformity	$\pm 1^\circ\text{C}$ at 100°C			$\pm 1,5^\circ\text{C}$ at 100°C
	Sensor	PT100 Sensor			
Heating Power/Consumption		900 W	1,2 kW	1,7 kW	3,4 kW
Heat-up Time		15 min. to 100°C , 25 min. to 150°C			
Recovery Time		Door Open 30Sec : 3 min. to 100°C / 5 min. to 150°C			
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end			
Display		Digital LCD Display with Back Light			
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn & Push)			
Resolution		Control : $\pm 1,0^\circ\text{C}$, Display : $\pm 1,0^\circ\text{C}$			
Shelves		Included Stainless Steel Wire Shelves			
		2ea	2ea	2ea	3ea
		Max.9 are available	Max.13 are available	Max.15 are available	Max.35 are available
Load per Rack		16 kg			
Permitted Total Load		32 kg (16kg $\times$ 2 Shelves)			48 kg
Ventilation		Ventilation hole(id. $\phi 40\text{mm}$) with Stainless Steel Cap			
		1ea	2ea	2ea	2ea
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 (Temp and Timer)			
		Locking Mode (Jog - Shuttle Input Disabled)			
Dimension (w $\times$ d $\times$ h)	Interior (mm)	370 $\times$ 340 $\times$ 420	485 $\times$ 405 $\times$ 535	550 $\times$ 470 $\times$ 600	550 $\times$ 470 $\times$ 1.180
	Exterior (mm)	535 $\times$ 620 $\times$ 733	656 $\times$ 685 $\times$ 891	721 $\times$ 750 $\times$ 956	721 $\times$ 800 $\times$ 1.619
Net Weight		51 kg	70 kg	90 kg	159 kg
Packing Size (w $\times$ d $\times$ h) (mm) & Gross Weight		572 $\times$ 660 $\times$ 840	710 $\times$ 762 $\times$ 970	790 $\times$ 790 $\times$ 1.090	1.000 $\times$ 1.000 $\times$ 1.870
		58 kg	85 kg	105 kg	219 kg
Power Consumption		900 W	1,2 kW	1,6 kW	3,2 kW
Power plug type		Hybrid E+F			5 pole 16A CEE
Power Supply*		AC 230V, 1N~, 50/60Hz			AC 400V, 3N~, 50 / 60Hz

* Other Specifications are available upon Customer's Request.

<Continued on next page>

Cat. No	Description	Articles
---------	-------------	----------

<Continued from... "witeg" WiseVen® WOF Ovens, Horizontal-Flow>

Ordering Information

(1) Standard Model, Forced Convection, with Wire Shelves

DH.WOF01050	Oven, Standard, 230V, 50 Lit., "WOF-50"
DH.WOF02105	, 105 Lit., "WOF-105"
DH.WOF02155	, 155 Lit., "WOF-155"
DH.WOF05305	Oven, Standard, 400V, 3N~, 305 Lit., "WOF-305"

(2) Built in Viewing Window Model, Forced Convection, with Wire Shelves

DH.WOF01105	Oven, Window, 230V, 105 Lit., "WOF-W105"
DH.WOF01155	, 155 Lit., "WOF-W155"
DH.WOF06305	Oven, Window, 400V, 3N~, 305 Lit., "WOF-W305"

Spare Wire Shelves, Stainless Steel

DH.WON11050	(3) Wire Shelf, with 2 Brackets, for 50 Lit., "ONS050", w340×d310mm
DH.WON11105	, for 105 Lit., "ONS105", w455×d375mm
DH.WON11155	, for 155 Lit. / 305Lit., "ONS155", w520×d440mm

Optional Perforated Shelves, Stainless Steel & Cable/Plug

DH.WON21050	(4) Perforated Shelf, with 2 Brackets, ONPS050, for 50 Lit., w340×d310mm
DH.WON21105	, ONPS105, for 105 Lit., w455×d375mm
DH.WON21155	, ONPS155, for 155 Lit./305 Lit., w520×d440mm

Validation (IQ, OQ) Service

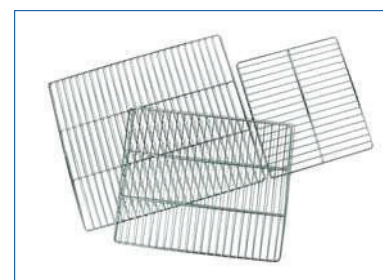
DH.WOF31050	Validation Service(IQ, OQ), OFV1050, for WOF-50
DH.WOF31105	, OFV1105, for WOF-105
DH.WOF31155	, OFV1155, for WOF-155
DH.WOF31305	, OFV1305, for WOF-305
DH.WOF32105	Validation Service(IQ, OQ), OFV2105, for WOF-W105
DH.WOF32155	, OFV2155, for WOF-W155
DH.WOF32305	, OFV2305, for WOF-W305

DH.WOF41050	Calibration Certificate Service, 1 & 3 points, OFC1050, for WOF-50
DH.WOF41105	, 1 & 3 points, OFC1105, for WOF-105
DH.WOF41155	, 1 & 3 points, OFC1155, for WOF-155
DH.WOF41305	, 1 & 3 points, OFC1305, for WOF-305
DH.WOF42105	, 1 & 3 points, OFC2105, for WOF-W105
DH.WOF42155	, 1 & 3 points, OFC2155, for WOF-W155
DH.WOF42305	, 1 & 3 points, OFC2305, for WOF-W305

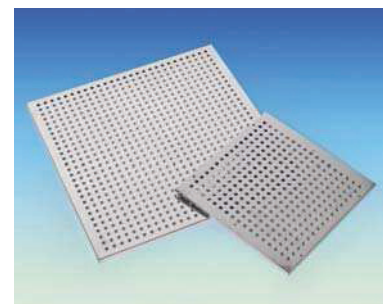
DH.WOF51105	Calibration Certificate Service, 9 points, OFC3105, for WOF-105
DH.WOF51155	, 9 points, OFC3155, for WOF-155
DH.WOF51305	, 9 points, OFC3305, for WOF-305
DH.WOF52105	, 9 points, OFC4105, for WOF-W105
DH.WOF52155	, 9 points, OFC4155, for WOF-W155
DH.WOF52305	, 9 points, OFC4305, for WOF-W305



(2) Oven, Forced Convection-type, Built in Viewing Window Model, with Wire Shelves "WOF-W155"



(3) Wire Shelves, Stainless Steel (Included)



(4) Perforated Shelves, Stainless Steel (Optional)

WiseRemote® Remote Control Software

Connection of Wisd 22 Temperature Devices with Interface RS232C to a PC Export Recorded Data (Excel Spreadsheet)



Main Screen



RS232C Cable & Software

“witeg” WiseVen® WON Ovens, Gravity/Natural Flow-type, 32-/ 50-/ 105-/ 155-/ 305- Lit.

with Wire Shelves, Digital Fuzzy Control & Superior Temp. Accuracy, Optimized Air Flow by Natural Convection, up to 230°C, $\pm 0,5^\circ\text{C}$



(1) Oven, Gravity/Natural Flow-type, Standard Model, with Wire Shelves “WON-155”



Heating Layer Embedded under the Chamber for Natural Convection

- Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- Optimized Air Flow by Natural Convection
- Patented Jog-Shuttle Control System
- UL/CUL Certified ■ CE Certified
- PL(Product Liability) Insurance

- * Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging
- * Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- * High-Quality LCD Display with Back-Light Function Used.
- * RS232C Interface for Remote Monitoring and Controlling with PC
- * Ambient to 230°C Range, Accuracy of $\pm 0,5^\circ\text{C}$ * Compact Body Design
- * Optimized Air Flow by Natural Convection
- * Corrosion Resistant 304 Stainless Steel Chamber and Shelves
- * Perfect Heat Insulation made by Heat-Resistant Rubber Packing and Air Flow Layer (AFL)
- * Over Temperature & Over Current Protection and Sensor Error Detection
- * 2~3 Stainless Steel Shelves are Included

Specification

Model		(1) Standard Model, without Window				
		“WON-32”	“WON-50”	“WON-105”	“WON-155”	“WON-305”
				(2) Built-in Viewing Window Model		
				“WON-W105”	“WON-W155”	“WON-W305”
Air Flow-type		Gravity / Natural Flow-type				
Capacity		32 Lit.	50 Lit.	105 Lit.	155 Lit.	305 Lit.
Temp.	Range	Ambient +5 ℃ to 230 ℃				
	Accuracy	± 0,5℃ at 100℃				
	Uniformity	± 2,0℃ at 100℃				
	Sensor	PT100 Sensor				
Heating Power/Consumption		600 W	800 W	1,5 kW	1,7 kW	3,4 kW
Heat-up Time		18 min. to 100 ℃, 28 min. to 150 ℃				
Recovery Time		5 min. to 100 ℃, 7 min. to 150 ℃				
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end				
Display		Digital LCD Display with Back Light				
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn & Push)				
Resolution		Control : ±1,0℃, Display : ±1,0℃				
Shelves		Included Stainless Steel Wire Shelves				
		2ea	2ea	2ea	2ea	3ea
		Max.9 are available		Max.15 are available		Max.35 are available
Load per Rack		16 kg				
Permitted Total Load		32 kg (16kg×2 Shelves).				48 kg
Ventilation		Ventilation hole with Stainless Steel Cap, Dia. 40mm				
		1ea	1ea	2ea	2ea	2ea
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 (Temp and Timer)				
		Locking Mode (Jog-Shuttle Input Disabled)				
Dimension (w×d×h)	Interior (mm)	310×290×360	370×350×420	485×480×535	550×475×600	550×475×1.180
	Exterior (mm)	475×530×673	535×620×733	656×685×891	721×750×956	721×800×1.682
Net Weight		31kg	42kg	67kg	83kg	145kg
Packing Size (w×d×h) (mm) & Gross Weight		500×580×780	570×660×840	710×750×970	790×790×1.090	1.000×1.000×1.950
		38 kg	48 kg	70 kg	94 kg	205 kg
Power Consumption		600 W	800 W	1,4 kW	1,7 kW	3,2 kW
Power plug type		Hybrid E+F				5 pole 16A CEE
Power Supply*		AC 230V, 1N~, 50/60Hz				AC 400V, 3N~, 50 / 60Hz

* Other Specifications are available upon Customer's Request.

<Continued on next page>

Cat. No	Description	Articles
---------	-------------	----------

<Continued from... "witeg" **WiseVen® WON** Ovens, Gravity/Natural-Flow Type >

Ordering Information

(1) Standard Model, Gravity/Natural Flow, with Wire Shelves

DH.WON01032	Oven, Standard, 230V, 32 Lit., "WON-32"
DH.WON01050	, 50 Lit., "WON-50"
DH.WON02105	, 105 Lit., "WON-105"
DH.WON02155	, 155 Lit., "WON-155"
DH.WON05305	Oven, Standard, 400V, 3N~, 305 Lit., "WON-305"

(2) Built in Viewing Window Model, Gravity/Natural Flow, with Wire Shelves

DH.WON01105	Oven, Window, 230V, 105 Lit., "WON-W105"
DH.WON01155	, 155 Lit., "WON-W155"
DH.WON06305	Oven, Window, 400V, 3N~, 305 Lit., "WON-W305"

Spare Wire Shelves, Stainless Steel

DH.WON11032	(3) Wire Shelf, with 2 Brackets, 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./305 Lit., "ONS155", w520 × d440mm

Optional Perforated Shelves, Stainless Steel & Cable / Plug

DH.WON21032	(4) Perforated Shelf, with 2 Brackets, "ONPS032", for 32 Lit., w280 × d280mm
DH.WON21050	, "ONPS050", for 50 Lit., w340 × d310mm
DH.WON21105	, "ONPS105", for 105 Lit., w455 × d375mm
DH.WON21155	, "ONPS155", for 155 Lit./305 Lit., w520 × d440mm

Validation (IQ, OQ) Service

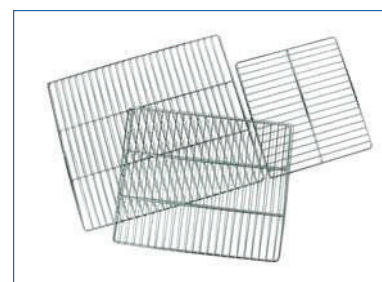
DH.WON31032	Validation Service(IQ, OQ), ONV1032, for WON-32
DH.WON31050	, ONV1050, for WON-50
DH.WON31105	, ONV1105, for WON-105
DH.WON31155	, ONV1155, for WON-155
DH.WON31305	, ONV1305, for WON-305
DH.WON32105	Validation Service(IQ, OQ), ONV2105, for WON-W105
DH.WON32155	, ONV2155, for WON-W155
DH.WON32305	, ONV2305, for WON-W305

DH.WON41032	Calibration Certificate Service, 1 & 3 points, ONC1032, for WON-32
DH.WON41050	, 1 & 3 points, ONC1050, for WON-50
DH.WON41105	, 1 & 3 points, ONC1105, for WON-105
DH.WON41155	, 1 & 3 points, ONC1155, for WON-155
DH.WON42105	, 1 & 3 points, ONC1305, for WON-305
DH.WON42105	, 1 & 3 points, ONC2105, for WON-W105
DH.WON42155	, 1 & 3 points, ONC2155, for WON-W155
DH.WON42305	, 1 & 3 points, ONC2305, for WON-W305

DH.WON51105	Calibration Certificate Service, 9 points, ONC3105, for WON-105
DH.WON51155	, 9 points, ONC3155, for WON-155
DH.WON51305	, 9 points, ONC3305, for WON-305
DH.WON52105	, 9 points, ONC4105, for WON-W105
DH.WON52155	, 9 points, ONC4155, for WON-W155
DH.WON52305	, 9 points, ONC4305, for WON-W305



(2) Oven, Gravity/Natural Flow-type, Built in Viewing Window Model, with Wire Shelves "WON-W155"



(3) Wire Shelves, Stainless Steel (Included)



(4) Perforated Shelves, Stainless Steel (Optional)

WiseRemote® Remote Control Software

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



Main Screen



RS232C Cable & Software

“witeg” WiseVen® WOC High Clean Air Oven, with Class 100 HEPA Filter, 560-/800- Lit.
with Chrome Coated Steel Wire Shelves, Digital Fuzzy Control System, Clean Air Convection Mechanism, up to 250°C, $\pm 1,0^{\circ}\text{C}$



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

- 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
- CE Certified

- * 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. ($\pm 20,0^{\circ}\text{C}$)
- * RS232C Interface for Remote Controlling with PC
- * 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

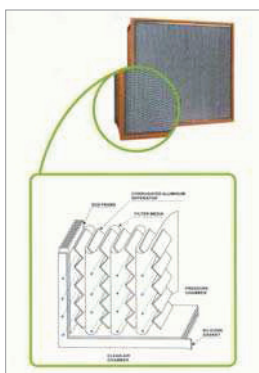
Specification

Model		560 Lit. “WOC-560”	800 Lit. “WOC-800”
Air Flow-type		High Clean Air Convection Mechanism	
Filter for Clean Air		HEPA Filter Class 100 for High Temperature	
Temp.	Range	Ambient $+5^{\circ}\text{C}$ to 250°C	
	Accuracy	$\pm 1,0^{\circ}\text{C}$	
	Uniformity	$\pm 2,0^{\circ}\text{C}$ at 200°C	
	Sensor	PT100 Sensor	
Heating Power/Consumption		6,5 kW	9,4 kW
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end	
Display		Digital LCD Display with Back Light	
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)	
Verification		Timer Operated Verification System	
Resolution		Control : $\pm 1,0^{\circ}\text{C}$, Display : $\pm 1,0^{\circ}\text{C}$	
Shelves		3ea of Chrome Coated Steel Shelves of Adjustable Position	
Load per Rack		16 kg	
Permitted Total Load		48 kg (16kg $\times$ 3 Shelves)	
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 (Temp., Timer) Locking Mode (Jog-Shuttle Input Disabled)	
Dimension (w $\times$ d $\times$ h)	Interior (mm)	800 $\times$ 700 $\times$ 1.000	1.000 $\times$ 800 $\times$ 1.000
	Exterior (mm)	1.000 $\times$ 1.155 $\times$ 1.735	1.500 $\times$ 1.200 $\times$ 1.900
Packing Size (w $\times$ d $\times$ h) (mm) & Gross Weight		1.200 $\times$ 1.400 $\times$ h 2.120mm, 386 kg	1.700 $\times$ 1.400 $\times$ h 2.270mm, 446 kg
Power Consumption		6,5 kW	9,4 kW
Power plug type		5 pole 16A CEE	
Power Supply*		AC 400V, 3N~, 50 / 60Hz	

* Other Specifications are available upon Customer's Request.



High Efficiency and
High Clean Air Convection
Mechanism



High Temp. HEPA Filter

<Continued on next page>

Cat. No	Description
---------	-------------

Articles

<Continued from... "witeg" WiseVen® WOC High Clean Air Oven>

Ordering Information

High Clean Air Oven, with Hepa Filter/Wire Shelves/Terminal Block

DH.WOC03560 High Clean Air Oven, 400V, 3N~, 560 Lit., "WOC-560"
 DH.WOC03800 , 800 Lit., "WOC-800"

Spare Wire Shelves, Chrome Coated Steel

DH.WOC10560 (1) Wire Shelf, with 2 Brackets, "OCS560", w780 × d680, for WOC-560
 DH.WOC10800 , "OCS800", w980 × d880, for WOC-800

Optional Device & Cable/Plug

DH.WOCN2GIN N2 Gas Inlet Device, "WOC-N2GIN"

Validation (IQ, OQ) Service

DH.WOC30560 Validation Service(IQ, OQ), OCV560, for WOC-560
 DH.WOC30800 , OCV800, for WOC-800

DH.WOC40560 Calibration Certificate Service, 1 & 3 points, OCC0560, for WOC-560
 DH.WOC40800 , 1 & 3 points, OCC0800, for WOC-800

DH.WOC50560 Calibration Certificate Service, 9 points, OCC1560, for WOC-560
 DH.WOC50800 , 9 points, OCC10800, for WOC-800



High Clean Air Oven, with HEPA Filter
 "WOC-560"

2-Year Warranty

WiseRemote® Remote Control Software

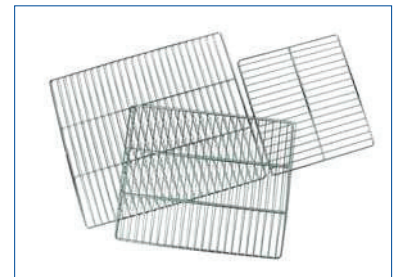
Connection of Wisd 2 Temperature Devices with Interface RS232C
 to a PC Export Recorded Data (Excel Spreadsheet)



Main Screen



RS232C Cable & Software



(1) Chrome Coated Steel Wire Shelves
 (Included)

“witeg” WiseVen® WOF-L Industrial Forced Convection Oven, 486-/840-/1.176- Lit.
with Stainless Steel Perforated Shelves, Digital PID Control System, Superior Temp. Accuracy, up to 250°C, $\pm 1,0^{\circ}\text{C}$



Industrial Forced Convection Oven “WOF-L800”
with Stainless Steel Perforated Shelves

- **Heavy Forced Air-Circulation by Strong and Reliable Fan System : ideal for Semiconductor and Electronic Parts Baking Purpose**
- **CE Certified**

- * 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)

Specification

Model		486 Lit. “WOF-L400”	840 Lit. “WOF-L800”	1,176 Lit. “WOF-L1000”
Air Flow-type		Forced Convection-type by FAN		
Air Circulation Fan Motor		1/3 HP	1/3 HP × 2 ea	1/3 HP × 3 ea
Temp.	Range	Ambient +5 °C to 250 °C		
	Accuracy	$\pm 1,0^{\circ}\text{C}$ at 150 °C		
	Uniformity	$\pm 2,0^{\circ}\text{C}$ 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 : $\pm 1,0^{\circ}\text{C}$, Display : $\pm 1,0^{\circ}\text{C}$		
Door		Powder coated Steel Door with Silicon Packing		
Shelves		Included Stainless Steel Perforated Shelves		
		4 ea	5 ea	8 ea
Load per Rack		16 kg		
Permitted Total Load		64 kg (16kg × 4 Shelves)	80 kg (16kg × 5 Shelves)	96 kg (16kg × 6 Shelves)
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)		1.400 × 1.220 × 1.960	1.700 × 1.310 × 2.060	1.850 × 1.310 × 2.410
& Gross Weight		376 kg	488 kg	568 kg
Power Consumption		3.6 kW	6.2 kW	8.8 kW
Power plug type		5 pole 16A CEE		
Power Supply*		AC 400V, 3N~, 50 / 60Hz		

* Other Specifications are available upon Customer's Request.

<Continued on next page>

Cat. No	Description	Articles
---------	-------------	----------

<Continued from... "witeg" **WiseVen® WOF-L** Industrial Forced Convection Oven >

Ordering Information

Industrial Forced Convection Oven, with Perforated Shelves/Terminal Block

DH.WOFL0402	Industrial Forced Convection Oven, 400V, 3N~, 486 Lit., "WOF-L400"
DH.WOFL0802	, 840 Lit., "WOF-L800"
DH.WOFL1002	, 1.176 Lit., "WOF-L1000"

Spare Perforated Shelves, Stainless Steel

DH.WOF10400	(1) Perforated Shelf, with 2 Brackets, "OFLS400", w880×d580mm, for WOF-L400
DH.WOF10800	(1) Perforated Shelf, with 2 Brackets, "OFLS800", w1.230×d680mm, for WOF-L800
DH.WOF11000	(1) Perforated Shelf, with 2 Brackets, "OFLS1000", w1.380×d680mm, for WOF-L1000

Validation (IQ, OQ) Service

DH.WOF30400	Validation Service(IQ, OQ), OFLV400 , for WOF-L400
DH.WOF30800	, OFLV800 , for WOF-L800
DH.WOF31000	, OFLV1000 , for WOF-L1000

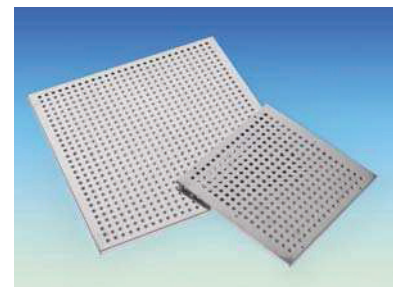
DH.WOF40400	Calibration Certificate Service, 1 & 3 points, OFLC0400 , for WOF-L400
DH.WOF40800	, 1 & 3 points, OFLC0800 , for WOF-L800
DH.WOF41000	, 1 & 3 points, OFLC01000 , for WOF-L1000

DH.WOF50400	Calibration Certificate Service, 9 points, OFLC1400 , for WOF-L400
DH.WOF50800	, 9 points, OFLC1800 , for WOF-L800
DH.WOF51000	, 9 points, OFLC11000 , for WOF-L1000



2-Year Warranty

Industrial Forced Convection Oven "WOF-L800"
with Stainless Steel Perforated Shelves



(1) Perforated Shelves, Stainless Steel
(Included)

“witeg” WiseVen® WOV Precise Vacuum Oven, Highly Safety Viewing Window, 30-/69-Lit., up to 200°C with 3 × Al-Shelves, Digital Fuzzy Control, Superior Temp. & Vacuum Accuracy, Highly Safety Viewing Window, 10~750 mmHg.



Precise Vacuum Oven “WOV-30”
Included Aluminum Shelves

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



Main Screen



RS232C Cable & Software

- Suitable for Drying, Baking, Conditioning, Curing, Out-Gassing Solids and Liquids, Vacuum Embedding, Moisture Testing, Plating and Aging Test
- Very Easy and Convenient for Vacuuming and Venting, Easy to read Vacuum Gauge
- Highly Safety Viewing Window (Tempered Safety Glass+ Polycarbonate Window)
- **Patented Jog-Shuttle Control System** and Back-Light LCD Display
- UL/CUL Certified
- CE Certified

- * Suitable for Drying, Baking, Conditioning, Curing, Out-Gassing Solids and Liquids, Vacuum Embedding, Moisture Testing, Plating and Aging Test
- * Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- * RS232C Interface for Remote Monitoring and Controlling with PC
- * Superior Uniformity and Stability
- * Very Easy and Convenient for Vacuuming and Venting, Easy to read Vacuum Gauge
- * High Quality Door Sealing : High Temperature Grade Silicone Molded Gasket
- * Highly Safety Viewing Window (Tempered Safety Glass+ Polycarbonate Window)
- * Over Temperature & Over Current Protection and Sensor Error Detection
- * Storage Function : Alarm & Timer
- * Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be disabled)

Specification

Model		18.6 Lit. “WOV-20”	30 Lit. “WOV-30”	70 Lit. “WOV-70”
Vacuum Range		10 ~ 750 mmHg		
Temp.	Range	Ambient +5 °C to 200 °C		
	Accuracy	± 0,5°C at 100°C		
	Uniformity	± 2,0°C at 100°C		
	Sensor	PT100		
Heating Power/Consumption		300W×2ea	300W×2ea	400W×4ea
Heat-up Time		50 min. to 100 °C, 90 min. to 150 °C		
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end		
Display		Digital LCD Display with Back Light		
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn & Push)		
Resolution		Control : ± 1,0°C, Display : ± 1,0°C		
Shelves		Included 3ea Aluminum Shelves		
Safety Circuit		Over Temp. and 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-Shuttle Input Disabled)		
Dimension (w×d×h)	Interior (mm)	265×290×265	300×330×300	400×435×400
	Exterior (mm)	472×443×542	507×483×577	570×588×677
Net Weight		48 kg	56 kg	82 kg
Packing Size (w×d×h) (mm)		572×660×840	710×762×970	780×826×1.030
& Gross Weight		67 kg	76 kg	114 kg
Power Consumption		600 W	600 W	1,7 kW
Power plug type		Hybrid E+F		
Power Supply*		AC 230V, 1N~, 50/60Hz		

* Other Specifications are available upon Customer's Request.

<Continued on next page>

Cat. No	Description	Articles
---------	-------------	----------

<Continued from... "witeg" **WiseVen® WOV** Precise Vacuum Oven>

Ordering Information

Precise Vacuum Oven, with Aluminum Shelves & Cord/Plug

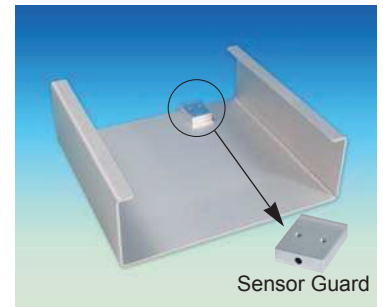
DH.WOV01020	Vacuum Oven, 230V, 18.6 Lit., "WOV-20"
DH.WOV01030	, 30 Lit., "WOV-30"
DH.WOV01070	, 70 Lit., "WOV-70"

Spare Aluminum Shelves

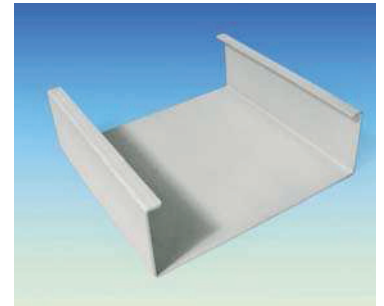
DH.WOV11120	(1) Upper Shelf, Aluminum, with Sensor Guard, "OVS120", w295 × d285 × h98mm, for WOV-20
DH.WOV11130	(1) Upper Shelf, Aluminum, with Sensor Guard, "OVS130", w295 × d285 × h98mm, for WOV-30
DH.WOV11170	(1) Upper Shelf, Aluminum, with Sensor Guard, "OVS170", w395 × d395 × h130mm, for WOV-70
DH.WOV11020	(2) Standard Shelf, Aluminum, "OVS020", w295 × d285 × h98mm, for WOV-20
DH.WOV11030	, "OVS030", w295 × d285 × h98mm, for WOV-30
DH.WOV11070	, "OVS070", w395 × d395 × h130mm, for WOV-70

Validation (IQ, OQ) Service

DH.WOV31030	Validation Service(IQ, OQ), OVV030 , for WOV-30
DH.WOV31070	, OVV070 , for WOV-70
DH.WOV41030	Calibration Certificate Service, 1 & 3 points, OVC030 , for WOV-30
DH.WOV41070	, 1 & 3 points, OVC070 , for WOV-70



(1) Upper Shelf, Aluminum
(Included)



(2) Standard Shelf, Aluminum
(Included)