

# 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
- PL(Product Liability) Insurance

- ❖ **High Clean Air Oven** ..... P. 110~111
- ❖ **Industrial Forced Convection Oven** ..... P. 112~113
- ❖ **Ovens, Forced Convection-type** ..... P. 106~107
- ❖ **Ovens, Gravity/Natural Flow-type** ..... P. 108~109
- ❖ **Vacuum Oven** ..... P. 114~115

❖ **High-Clean Air Oven**  
(WOC model)



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



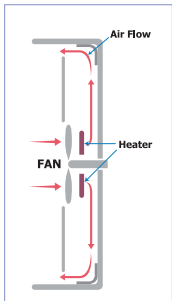
❖ **Precise Vacuum Oven**  
(WOV model)



**“DAIHAN” 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, ±0.3 °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
- 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 +5 °C to 250 °C Range with Accuracy of ±0.3 °C
- \* Maximum Temp. Uniformity by Forced Convection : Rear-Side Fan/Heater Mechanism (±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 °C to 250 °C			
	Accuracy	± 0.3 °C at 100°C			
	Uniformity	± 1°C at 100°C		± 1.5°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 : ± 1.0°C, Display : ± 1.0°C				
Shelves	Included Stainless Steel Wire Shelves				
	2ea	2ea	2ea	3ea	
Load per Rack	16 kg				
Permitted Total Load	32 kg (16kg × 2 Shelves)			48 kg	
Ventilation	Ventilation hole(id. ϕ40mm) 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 × d × h)	Interior (mm)	370 × 340 × 420	485 × 405 × 535	550 × 470 × 600	550 × 470 × 1,180
	Exterior (mm)	535 × 620 × 733	656 × 685 × 891	721 × 750 × 956	721 × 800 × 1,619
Net Weight	51 kg	70 kg	90 kg	159 kg	
Packing Size (w × d × h) (mm) & Gross Weight		572 × 660 × 840	710 × 762 × 970	790 × 790 × 1,090	1,000 × 1,000 × 1,870
		58 kg	85 kg	105 kg	219 kg
Power Consumption	900 W	1.2 kW	1.6 kW	3.2 kW	
Power Supply*	1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz			1 Phase AC 120V, 60Hz or AC 230V, 50/60Hz or 3 Phase with Terminal Block	

\* Other Specifications are available upon Customer's Request.

\* EC Plug and Cable are optionally offered. Please refer to the Ordering Information for the details.

<Continued on next page>

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

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

Ordering Information

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

- DH.WOF01050 Oven, Standard, 230V, 50 Lit., "WOF-50", with Cord/Plug
- DH.WOF02105 , 105 Lit., "WOF-105", with Cord/Plug
- DH.WOF02155 , 155 Lit., "WOF-155", with Cord/Plug
- DH.WOF02305 , 305 Lit., "WOF-305", with Terminal Block
- DH.WOF03050 Oven, Standard, 120V, 50 Lit., "WOF-50", with Cord/Plug
- DH.WOF03105 , 105 Lit., "WOF-105", with Cord/Plug
- DH.WOF03155 , 155 Lit., "WOF-155", with Cord/Plug
- DH.WOF03305 , 305 Lit., "WOF-305", with Terminal Block
- DH.WOF05305 Oven, Standard, 3Phase, 305 Lit., "WOF-305", with Terminal Block

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

- DH.WOF01105 Oven, Window, 230V, 105 Lit., "WOF-W105", with Cord/Plug
- DH.WOF01155 , 155 Lit., "WOF-W155", with Cord/Plug
- DH.WOF01305 , 305 Lit., "WOF-W305", with Terminal Block
- DH.WOF04105 Oven, Window, 120V, 105 Lit., "WOF-W105", with Cord/Plug
- DH.WOF04155 , 155 Lit., "WOF-W155", with Cord/Plug
- DH.WOF04305 , 305 Lit., "WOF-W305", with Terminal Block
- DH.WOF06305 Oven, Window, 3Phase, 305 Lit., "WOF-W305", with Terminal Block

Spare Wire Shelves, Stainless Steel

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

Optional Perforated Shelves, Stainless Steel & Cable/Plug

- DH.WON21050 (4) Perforated Shelf, ONPS050, for 50 Lit., w340 x d310mm
- DH.WON21105 , ONPS105, for 105 Lit., w455 x d375mm
- DH.WON21155 , ONPS155, for 155 Lit./305 Lit., w520 x d440mm
- DH.WCP30010 (5) L3.5m Cable and 3P Plug, Socket, for 1 Phase, "WCP10"
- DH.WCP30020 (6) L3.5m Cable and 5P EC Plug, for 3 Phase, "WCP20"

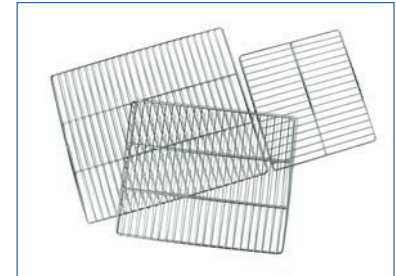
Validation (IQ, OQ) Service

- 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

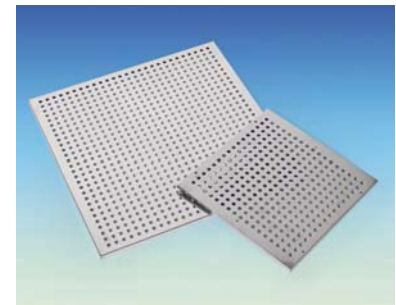


2-Year Warranty

(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)



(5) Cable & 3P Plug, Socket "WCP10" for 1 Phase



(6) Cable & 5P EC Plug, "WCP20" for 3 Phase

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

Main Screen

RS232C Cable & Software