

DAIHAN-brand® 1,000 °C Digital Muffle Furnaces, "FX", Exposed Heating Elements-type, with Certi. & Traceability **NEW** with Digital PID Control, Short Heat-up Time, Ceramic Fiber, 4-Side Heating, with Ceramic Fiber Plate, 3~63 Lit.

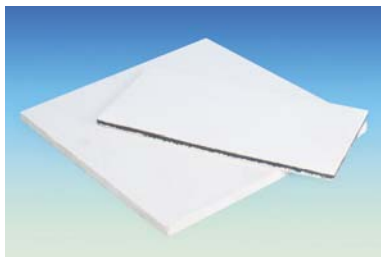
1,000 °C 디지털 전기로, 디지털 PID 컨트롤 시스템, 4면 가열 방식, 히터 노출형



1000°C Digital Muffle Furnace, Exposed Heating Elements-type "FX-14"



Inner Chamber of Exposed Heating Elements-type



(1) Ceramic Fiber Plate (Included)



(2) Heat-resistant Gloves

- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Patented Jog-Dial Control System and Digital LCD with Back-Light Function
- CE Certified
- PL(Product Liability) Insurance

- * Designed for Ash-Determinations, Enameling, Fusions, Precipitate Drying
- * User's Self-Compensation Function for Temperature (±50°C) * Resolution : 1°C, 1min
- * Safety Switch for Door Opening * Ceramic Fiber exposed Heating Wire, 4-Side Heating

Specification

Capacity & Model and Temp. Range	3 Lit. "FX-03"	4.5 Lit. "FX-05"	12 Lit. "FX-12"	14 Lit. "FX-14"	27 Lit. "FX-27"	63 Lit. "FX-63"	
	300°C ~ 1000°C						
Heater	Kanthal A1, Expose Wire Heating Elements, 4-Side Heating						
Thermocouple	K-type Thermocouple						
Heating Power	1.4 kW	1.8 kW	3.6 kW	4.0 kW	4.6 kW	9 kW	
Required time to be reached 800°C	16 min		20 min			23 min	
Timer & Alarm	99hr 59min (Delay & Continuous run), Error status & Timer-end						
Display	Digital LCD with Back-Light Function						
Controller	Digital PID Controller with Jog-Dial Switch (Turn+Push)						
Safety Circuit	Over-Temp./-Current protection, Sensor Error Detection Safety Switch for Door Opening						
Material	Ceramic Fiber with Heating Wire-Internal, Powder Coated steel-External Ceramic Fiber-Insulation						
Dimension	Internal (cm)	13×25×9	15×30×10	20×30×20	25×35×16	30×30×30	40×40×40
(w×d×h)	External (cm)	39×48×53	42×53×55	48×55×66	53×58×62	58×59×76	63×71×79
Packing Size(w×d×h) (cm)		63×54×77	68×57×78	70×63×89	74×68×85	74×73×99	116×90×110
Gross Weight		47 kg	54 kg	59 kg	73 kg	83 kg	225 kg
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			

* Other Specifications are available upon Customer's Request.

* 운임 약 ₩ 20,000 별도!

Ordering Information

	Ea. Price, ₩
DH.WF21.03 Furnace, 230V, 3 Lit., "FX-03"	1,245,420
DH.WF21.05 , 4.5 Lit., "FX-05"	1,435,640
DH.WF21.12 , 12 Lit., "FX-12"	1,858,380
DH.WF21.14 , 14 Lit., "FX-14"	1,985,200
DH.WF21.27 , 27 Lit., "FX-27"	3,485,930
DH.WF21.63 , 63 Lit., "FX-63"	5,663,030
DH.WF20.03 Furnace, 120V, 3 Lit., "FX-03"	1,245,420
DH.WF20.05 , 4.5 Lit., "FX-05"	1,435,640
DH.WF20.12 , 12 Lit., "FX-12"	1,858,380
DH.WF20.14 , 14 Lit., "FX-14"	1,985,200
DH.WF20.27 , 27 Lit., "FX-27"	3,485,930
DH.WF20.63 , 63 Lit., "FX-63"	5,663,030
DH.WF23.12 Furnace, 3Phase, 12 Lit., "FX-12"	2,018,380
DH.WF23.14 , 14 Lit., "FX-14"	2,145,200
DH.WF23.27 , 27 Lit., "FX-27"	3,645,930
DH.WF23.63 , 63 Lit., "FX-63"	5,823,030

Spare Ceramic Fiber Plates

	Ea. Price, ₩
DH.WF211.03 (1) Ceramic Fiber Plate, "FS1103" for 3Lit.	21,140
DH.WF211.05 , "FS1105" for 4.5Lit.	21,140
DH.WF211.12 , "FS1112" for 12Lit.	31,720
DH.WF211.14 , "FS1114" for 14Lit.	31,720
DH.WF211.27 , "FS1127" for 27Lit.	42,280
DH.WF211.63 , "FS1163" for 63Lit.	73,990

Optional Gloves & Power Cable

	Ea. Price, ₩
NA.491041101 (2) Gloves, Heat-resistant, 900°C, Flexible & Long Sleeve, 1Pair	297,580

Validation (IQ, OQ) Service

	Ea. Price, ₩
DH.WF311.03 Validation Service(IQ, OQ), "FV1103", for "FX-03"	문의요함
DH.WF311.05 , "FV1105", for "FX-05"	문의요함
DH.WF311.12 , "FV1112", for "FX-12"	문의요함
DH.WF311.14 , "FV1114", for "FX-14"	문의요함
DH.WF311.27 , "FV1127", for "FX-27"	문의요함
DH.WF311.63 , "FV1163", for "FX-63"	문의요함

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



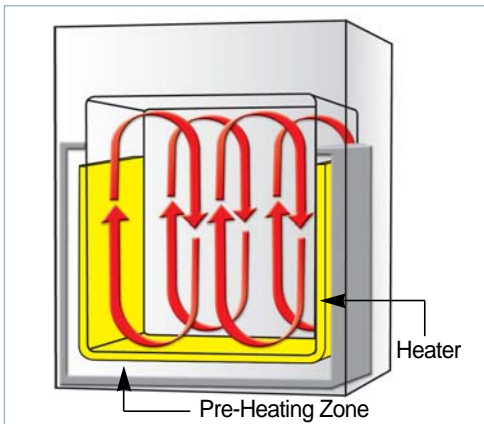
(1) Standard Model, "ThermoStable ON-105"

- 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
 - 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 Shelves 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.	Models	(1) Standard Model			
		ON-32	ON-50	ON-105	ON-155
				(2) Window Model	
			ON-W105	ON-W155	
Capacity		32Lit	50Lit	105Lit	155Lit
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		12 min. to 100°C, 10 min. to 150°C	
Controller		Digital Fuzzy 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			
Shelves		2ea of Stainless-steel Wire Shelves 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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