

**DAIHAN® 1,000°C Programmable Digital Muffle Furnace "FX", Exposed Heating Elements-type, 3~63 Lit**  
 With Digital PID Control, Short Heat-up Time, Ceramic Fiber, 4-Side Heating, with Ceramic Fiber Plate  
 디지털 전기로, 디지털 PID 컨트롤 시스템, 4면 가열 방식, 히터 노출형



Jog-Shuttle with Push Button

2-Year Warranty

14Lit "FX-14" 1,000°C Model



2-Year Warranty

63Lit "FX-63" 1,000°C Model

- CE Certified    ■ PL(Product Liability) Insurance
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function
- Digital PID Programmable Controller : 4 Patterns with 10 Segments
- \* Designed for Ash-Determinations, Enameling, Fusions, Precipitate Drying
- \* User's Self-Compensation Function for Temperature ( $\pm 50^\circ\text{C}$ )    \* Resolution :  $1^\circ\text{C}$ , 1min
- \* Safety Switch for Door Opening    \* Ceramic Fiber exposed Heating Wire, 4-Side Heating

**Specifications & Ordering information**

Spec.	Model	"FX-03"	"FX-05"	"FX-12"	"FX-14"	"FX-27"	"FX-63"
		Max.Capa. 3 Lit	Max.Capa. 4.5 Lit	Max.Capa. 12 Lit	Max.Capa. 14 Lit	Max.Capa. 27 Lit	Max.Capa. 63 Lit
Temp. Range		300°C ~ 1,000°C					
Capacity		3 Lit	4.5 Lit	12 Lit	14 Lit	27 Lit	63 Lit
Heater		Kanthal A1, Expose Wire Heating Elements, 4-Side Heating					
Thermocouple		K-type Thermocouple					
Heating Power		1.6 kW	1.7 kW	3.3 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 (Continuous run), Error status & Timer-end					
Display		Digital LCD with Back-Light Function					
Controller		Digital PID Controller with Jog-Dial Switch (Turn+Push)					
Program Function		4 Patterns with 10 Segments					
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 (w×d×h)	Internal (cm)	13×25×9	15×30×10	20×30×20	25×35×16	30×30×30	40×40×40
	External (cm)	41×48×53	44×53×55	50×55×66	55×59×62	60×59×76	100×75×95
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
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz		1 Phase AC 120V, 60Hz or AC 230V, 50/60Hz or 3 Phase			
Cat. No.	230V	DH.WF21.03	DH.WF21.05	DH.WF21.12	DH.WF21.14	DH.WF21.27	DH.WF21.63
	120V	DH.WF20.03	DH.WF20.05	DH.WF20.12	DH.WF20.14	DH.WF20.27	-
	3Phase	-	-	DH.WF23.12	DH.WF23.14	DH.WF23.27	DH.WF23.63

• Other Specifications are available upon Customer's Request.

**Spare Ceramic Fiber Plate**

- DH.WF211.03 (1) Ceramic Fiber Plate, 120×215mm, "FS1103" for 3Lit
- DH.WF211.05 , 140×265mm, "FS1105" for 4.5Lit
- DH.WF211.12 , 190×265mm, "FS1112" for 12Lit
- DH.WF211.14 , 240×310mm, "FS1114" for 14Lit
- DH.WF211.27 , 280×280mm, "FS1127" for 27Lit
- DH.WF211.63 , 400×400mm, "FS1163" for 63Lit

**Optional Glove**

- K9.26592 (2) Glove, Heat Resistant, 800°C , 1Pair, L330 mm
- AS1.7896.01 (3) , 1,000°C, 1Pair, L450 mm
- AS1.7896.02 , L350 mm



Inner Chamber of Exposed Heating Elements-type



(1) Ceramic Fiber Plate (Included)



(2) Heat-resistant Glove (800°C)



(3) Heat-resistant Glove (1,000°C)