

Furnace

Furnace, Muffle, 1000 °C	P. 71
, Muffle, 1200 °C	P. 72
, Muffle, High Temperature, 1450 °C	P. 73
, Muffle, High Temperature, 1650 °C	P. 74
, Tube, 1000 °C	P. 75



1000 °C Muffle Furnace, "FX-14"



1200 °C Muffle Furnace, "FHX-63"



1650 °C High-Temp Muffle Furnace, "FSK-2"



1000 °C Tube Furnace, "FT-860"

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



Jog-Shuttle with Push Button

2-Year Warranty

14Lit "FX-14" 1000°C Model

- Made in Korea ■ 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 (± 50°C) * Resolution : 1°C, 1min
- * Safety Switch for Door Opening * Ceramic Fiber exposed Heating Wire, 4-Side Heating

Specifications & Ordering information

Spec.	Model	"FX-03" Max.Capa. 3 Lit	"FX-05" Max.Capa. 4.5 Lit	"FX-12" Max.Capa. 12 Lit	"FX-14" Max.Capa. 14 Lit	"FX-27" Max.Capa. 27 Lit	"FX-63" Max.Capa. 63 Lit
Temp. Range	300°C ~ 1000°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
Price, Each. ₩							

* Other Specifications are available upon Customer's Request.

※ 운임 약 ₩ 20,000 별도!



2-Year Warranty

63Lit "FX-63" 1000°C Model

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

Ea. Price, ₩

Optional Glove

- K9.26592 (2) Glove, Heat Resistant, 800°C , 1Pair, L330 mm
- AS1.7896.01 (3) , 1000°C, 1Pair, L450 mm
- AS1.7896.02 , L350 mm

Ea. Price, ₩



Inner Chamber of Exposed Heating Elements-type



(1) Ceramic Fiber Plate (Included)



(2) Heat-resistant Glove (800°C)



(3) Heat-resistant Glove (1000°C)

DAIHAN® 1,200°C Programmable Digital Muffle Furnace “FHX”, Exposed Heating Elements-type
 With Digital PID Control, Short Heat-up Time, Ceramic Fiber, 4-Side Heating, with Ceramic Fiber Plate, 3~63 Lit
 디지털 전기로, 디지털 PID 컨트롤 시스템, 4면 가열 방식, 히터 노출형



Jog-Shuttle with Push Button

2-Year Warranty

14Lit “FHX-14” 1200°C Model



2-Year Warranty

63Lit “FHX-63” 1200°C Model

■ Made in Korea ■ CE Certified ■ PL (Product Liability) Insurance

■ 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

■ Digital PID Programmable Controller : 4 Patterns with 10 Segments

- * Digital Jog-Dial Control System
- * Ceramic Fiber Exposed Heating Wire, 4-Side Heating
- * User's Self-Compensation Function for Temperature (± 50°C)
- * Included Ceramic Fiber Plate
- * Safety Switch for Door Opening
- * Resolution : 1°C, 1min

Specifications & Ordering information

Spec.	Model	“FHX-03”	“FHX-05”	“FHX-12”	“FHX-14”	“FHX-27”	“FHX-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 ~ 1200°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.WFH22.03	DH.WFH22.05	DH.WFH22.12	DH.WFH22.14	DH.WFH22.27	DH.WFH22.63
	120V	DH.WFH20.03	DH.WFH20.05	DH.WFH20.12	DH.WFH20.14	DH.WFH20.27	-
	3Phase	-	-	DH.WFH23.12	DH.WFH23.14	DH.WFH23.27	DH.WFH23.63
Price, Each. ₩							

* Other Specifications are available upon Customer's Request.

※ 운임 약 ₩ 20,000 별도!

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

Ea. Price, ₩

Optional Glove

- K9.26592 (2) Glove, Heat Resistant, 800°C , 1Pair, L330 mm
- AS1.7896.01 (3) , 1000°C, 1Pair, L450 mm
- AS1.7896.02 , L350 mm

Ea. Price, ₩



Inner Chamber of Exposed Heating Elements-type



(1) Ceramic Fiber Plate (Included)



(2) Heat-resistant Glove (800°C)



(3) Heat-resistant Glove (1000°C)

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

“WiseTherm® FSC” 1,450°C Programmable High-Temp Muffle Furnace, Exposed Heating Elements-type
 With SIC Heater, Digital PID Control, Short Heat-up Time, 2-Side Heating, without Ceramic Fiber Plate, 1.9~22 Lit
 고온 디지털 전기로, 디지털 PID 컨트롤 시스템, 2면 가열 방식



2-Year Warranty

1.9Lit “FSC-2” 1450°C Model

- **Made in Korea**
- **PL(Product Liability) Insurance**
- **with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System**
- **Digital PID Programmable Controller : 2 Patterns with 10 Segments**
- **Digital LCD Display**
- **High Quality Insulation : Ceramic Fiber Board**
- **SIC(Silicon Carbide) Heater**

- * Safety Door Lock System
- * Excluding Ceramic Fiber Plate
- * Ceramic Fiber Exposed Heating Wire, 2-Side Heating
- * Safety Switch for Door Opening

Specifications & Ordering information

Spec.	Model	WiseTherm® FSC-2	WiseTherm® FSC-5	WiseTherm® FSC-11	WiseTherm® FSC-22
		Max. Capa. 1.9Lit	Max. Capa. 4.5Lit	Max. Capa. 11Lit	Max. Capa. 22Lit
Temp. Range		500 °C ~ 1450 °C			
Capacity		1.9 Lit	4.5 Lit	11 Lit	22 Lit
Heater		SIC Heater, 2-Side Heating			
Thermocouple		R-type Thermocouple			
Heating Power		2 kW	3.3 kW	7.7 kW	9.6 kW
Required time to be reached 800°C		30 min			
Timer & Alarm		99hr 59min or Continuous run			
Display		Digital LCD Display			
Controller		Digital PID Controller, UP35A, SCR Power Controller with Push Button			
Program Function		2 Patterns with 10 Segments			
Safety Circuit		Over-Temp./-Current protection, Sensor Error Detection, Safety Switch for Door Opening	Over-Temp./-Current protection, Sensor Error Detection		
Material		Ceramic Fiber board with SIC Heater-Internal, Powder Coated steel-External, Ceramic Fiber-Insulation			
Dimension (w×d×h)	Internal (mm)	120×130×120	150×200×150	200×270×200	250×350×250
	External (mm)	440×482×700	820×555×655	870×625×715	920×705×785
Packing Size(w×d×h) (cm)		680×540×940	1350×600×890	1400×770×950	1450×900×1100
Gross Weight		57 kg	70 kg	102 kg	132 kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz, without Cord and Plug			
Cat. No.	230V	DH.FSC02002	DH.FSC02005	DH.FSC02011	DH.FSC02022
	120V	DH.FSC01002	DH.FSC01005	DH.FSC01011	DH.FSC01022
Price, Each. ₩					

* Other Specifications are available upon Customer's Request.

※ 운임 약 ₩ 20,000 별도!



2-Year Warranty

4.5/11/22-Lit “FSC-5”, “FSC-11” & “FSC-22” 1450°C Model



Inner Chamber of Exposed Heating Elements-type

Optional Ceramic Fiber Plate

- DH.FSC2002 (1) Ceramic Fiber Plate, w110×d120mm, for 1.9Lit
- DH.FSC2005 , w140×d180mm, for 4.5Lit
- DH.FSC2011 , w190×d250mm, for 11Lit
- DH.FSC2022 , w240×d330mm, for 22Lit

Ea. Price, ₩

Optional Glove

- K9.26592 (2) Glove, Heat Resistant, 800°C , 1Pair, L330 mm
- AS1.7896.01 (3) , 1000°C, 1Pair, L450 mm
- AS1.7896.02 , L350 mm

Ea. Price, ₩



(1) Ceramic Fiber Plate (Included)



(2) Heat-resistant Glove (800°C)



(3) Heat-resistant Glove (1000°C)

“WiseTherm® FSK” 1,650°C Programmable High-Temp Muffle Furnace, Exposed Heating Elements-type
 With MoSi₂ Heater, Digital PID Control, Short Heat-up Time, 2-Side Heating, without Ceramic Fiber Plate, 1.9~ 11 Lit
 고온 디지털 전기로, 디지털 PID 컨트롤 시스템, 2면 가열 방식



2-Year Warranty

1.9Lit “FSK-2” 1650°C Model



2-Year Warranty

4.5&11Lit “FSK-5” & “FSK-11” 1650°C Model



Inner Chamber of Exposed Heating Elements-type

- Made in Korea ■ PL(Product Liability) Insurance
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Digital PID Programmable Controller : 2 Patterns with 10 Segments
- Digital LCD Display ■ High Quality Insulation : Ceramic Fiber Board
- * Safety Door Lock System * Excluding Ceramic Fiber Plate
- * Ceramic Fiber Exposed Heating Wire, 2-Side Heating * Safety Switch for Door Opening

Specifications & Ordering information

Spec.	Model	WiseTherm® FSK-2	WiseTherm® FSK-5	WiseTherm® FSK-11
		Max. Capa. 1.9 Lit	Max. Capa. 4.5 Lit	Max. Capa. 11 Lit
Temp. Range		600°C ~ 1650°C		
Capacity		1.9 Lit	4.5 Lit	11 Lit
Heater		MoSi ₂ Heater, 2-Side Heating		
Thermocouple		B-type Thermocouple		
Heating Power		1.3 kW	2.9 kW	6.6 kW
Required time to be reached 800°C		40 min		
Timer & Alarm		99hr 59min or Continuous run		
Display		Digital LCD Display		
Controller		Digital PID Controller, UP35A, SCR Power Controller with Push Button		
Program Function		2 Patterns with 10 Segments		
Safety Circuit		Over-Temp./-Current protection, Sensor Error Detection, Safety Switch for Door Opening	Over-Temp./-Current protection, Sensor Error Detection	
Material		Ceramic Fiber board with MOSi ₂ Heater-Internal, Powder Coated steel-External, Ceramic Fiber-Insulation		
Dimension (w×d×h)	Internal (mm)	120×130×120	150×200×150	200×270×200
	External (mm)	440×482×700	900×600×695	980×670×765
Packing Size(w×d×h) (cm)		680×540×940	1430×640×930	1510×810×1000
Gross Weight		72 kg	150 kg	186 kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz, without Cord and Plug		
Cat. No.	230V	DH.FSK02002	DH.FSK02005	DH.FSK02011
	120V	DH.FSK01002	DH.FSK01005	DH.FSK01011
Price, Each. ₩				

* Other Specifications are available upon Customer's Request.

※ 운임 약 ₩ 20,000 별도!

Optional Ceramic Fiber Plate

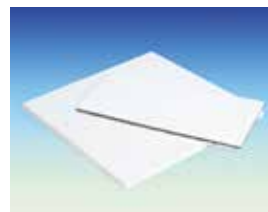
- DH.FSK2002 (1) Ceramic Fiber Plate, w110×d120mm, for 1.9Lit
- DH.FSK2005 , w140×d180mm, for 4.5Lit
- DH.FSK2011 , w190×d250mm, for 11Lit

Ea. Price, ₩

Optional Glove

- K9.26592 (2) Glove, Heat Resistant, 800°C , 1Pair, L330 mm
- AS1.7896.01 (3) , 1000°C, 1Pair, L450 mm
- AS1.7896.02 , L350 mm

Ea. Price, ₩



(1) Ceramic Fiber Plate (Included)



(2) Heat-resistant Glove (800°C)



(3) Heat-resistant Glove (1000°C)

DAIHAN® Programmable Tube Furnaces “FT-series”, Embedded Heating Elements-type, 1000°C
 With Digital PID Programmable Control, 1- or 3-Heating Zone, $\phi 3\sim\phi 14$ cm Tubes, 1,000°C 프로그램식 튜브 전기로



(1) Programmable Tube Furnace, 1 Heating Zone “FT-860”



Side Figure of “FT-860”



(a) Heat-resistant Glove (800°C)



(b) Heat-resistant Glove (1000°C)

- Made in Korea ■ PL(Product Liability) Insurance
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System

- * Digital PID Programmable Controller : 3 Patterns with 16 Segments
- * Designed for Ash-Determinations, Horizontal Application, Protective Gas Atmosphere
- * Available Order Various Size Tubes, Without Working Tube
- * Programmable Timer : 99hr 59min
- * Resolution : 1°C, 1min

Specifications & Ordering information

Model	“FT-series” 1- or 3-Heating Zone						
Temp. Range & Heater	300°C ~ 1000°C, Kantal A1, Embedded Wire Heating Elements						
Thermocouple & Display	K-type Thermocouple, LED						
Safety Circuit	Over-Temp./-Current protection, Sensor Error Detection						
Material	Ceramic Fiber with Heating Wire-Internal, Powder Coated steel-External						
(1) 1Heating Zone Model	“FT-830”	“FT-860”	“FT-1230”	“FT-1260”	“FT-1630”	“FT-1660”	
Heating Zone	1× Heating Zone						
	$\phi 8\times L30$	$\phi 8\times L60$	$\phi 12\times L30$	$\phi 12\times L60$	$\phi 16\times L30$	$\phi 16\times L60$	
Available Tube Size(cm)	$\phi 3\sim\phi 6$ cm		$\phi 7\sim\phi 10$ cm		$\phi 10\sim\phi 14$ cm		
Heating Power	1.8 kW	3.2 kW	2.2 kW	4.5 kW	3.2 kW	6.2 kW	
Heat-up Time(to 800°C)	17 min	20 min	18 min	22 min	20 min	25 min	
Dimension (w×d×h cm)	40×28×44	70×28×44	40×34×50	70×34×50	40×40×56	70×40×56	
Controller	1× Programmable PID Controller : 3 Patterns 16 Segments						
Cat. No.	230V	DH.WFT12.0830	DH.WFT12.0860	DH.WFT12.1230	DH.WFT12.1260	DH.WFT12.1630	DH.WFT12.1660
	120V	DH.WFT11.0830	DH.WFT11.0860	DH.WFT11.1230	DH.WFT11.1260	DH.WFT11.1630	DH.WFT11.1660
Price, Each. ₩							
(2) 3Heating Zone Model	“FT-3860”		“FT-31260”		“FT-31660”		
Heating Zone	3× Heating Zone						
	$\phi 8\times (3\times L20\text{cm})$		$\phi 12\times (3\times L20\text{cm})$		$\phi 16\times (3\times L20\text{cm})$		
Available Tube Size(cm)	$\phi 3\sim\phi 6$ cm		$\phi 7\sim\phi 10$ cm		$\phi 10\sim\phi 14$ cm		
Heating Power	3.3 kW		4.8 kW		6.6 kW		
Heat-up Time(to 800°C)	20 min		22 min		25 min		
Dimension (w×d×h cm)	70×28×h44 cm		70×34×h50 cm		70×40×h56 cm		
Controller	Independent 3× Programmable PID Controller : 3 Patterns 16 Segments						
Cat. No.	230V	DH.WFT12.860.3		DH.WFT12.1260.3		DH.WFT12.1660.3	
	120V	DH.WFT11.860.3		DH.WFT11.1260.3		DH.WFT11.1660.3	
Price, Each. ₩							

* Other Specifications are available upon Customer's Request. ※ 운임 약 ₩ 20,000 별도!
 * Tubes Size & Other Specifications are available upon Customer's Request

Optional Glove

- K9.26592 (a) Glove, Heat Resistant, 800°C , 1Pair, L330 mm
- AS1.7896.01 (b) , 1000°C, 1Pair, L450 mm
- AS1.7896.02 , L350 mm

Ea. Price, ₩

If undelivered please return to below address

Book Post



Scientific Research Instruments Company Private Limited

42-43, 2nd & 3rd Floor, 1st Cross, Gubbalala, Bengaluru - 560 061

Telephone : 080 4757 2577 | 080 4302 5791

Sales

info@srico-labworld.com

Mobile : +91 9900674407

Service

service@srico-labworld.com

Mobile : +91 9900055879

Bhubaneswar | Hyderabad | New Delhi | Navi Mumbai | Vadodara

Ahmedabad | Chandigarh | Chennai | Goa | Guwahati | Kolkata | Lucknow | Pune | Thiruvananthapuram | Visakhapatnam



www.srico-labworld.com