Fine Oven (Tall)

Large capacity

DFS710/810, DHS710/810

Operating temp. range	RT +15°C~260°C DFS710/810	RT +15°C~360°C DHS710/810

Temp. distribution accuracy	±2.0°C (at 360°C) DFS710/810	±3.0°C (at 360°C) DHS710/810

Internal capcaity	418L DFS/DHS710	558L DFS/DHS810

Optimized for various temperature characteristic tests.

Accurate temperature control and wide temperature range allow various heat treatment and temperature characteristic tests.

- Improved visibility and operability of the control panel.
- Max. 99 steps program operation is possible.
- Forced hot air circulation and ventilation by a damper.
- Safety measures are enriched, including self-diagnosis function and an independent overheating prevention device.

Control Panel

418L
DFS710

558L
DHS810

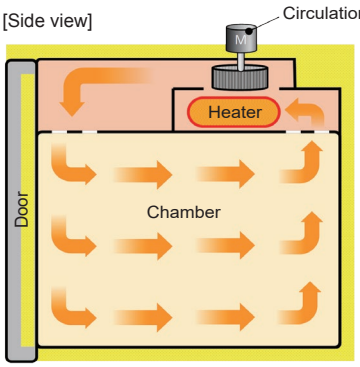
Specifications

Model	DFS710	DFS810	DHS710	DHS810
System	Forced convection and ventilation			
Operating temperature range	Room temp. +15~260°C		Room temp. +15~360°C	
Temperature adjustment accuracy	± 0.2°C (at 260°C) JTM K05		± 0.3°C (at 360°C) JTM K05	
Temperature distribution accuracy	± 2.0°C (at 260°C) JTM K05		± 3.0°C (at 360°C)JTM K05	
Max. temperature reaching time	Approx. 40 min. (at 260°C)		Approx. 50 min. (at 360°C)	
Interior material	Stainless steel			
Exterior material	Cold rolled steel plate with melamine resin baking finish			
Heat insulating material	Glass wool			
Heater	Stainless pipe heater			
	4.5kW	5.4kW		6.0kW
Fan type / Motor	Scirocco fan / Condenser type			
Exhaust port	80mm I.D.:1 pc.			
Cable hole	33mm I.D. (left side):1 pc.			
Temp. controller	PID control by microprocessor			
Temp. setting method	Digital setting with UP/DOWN key			
Temp display method	Digital display by green LED and orange LED			
Other display	Operation monitor (Operation condition graphic display by LED patterns)			
Min. division	1 min. to 99 hrs. 59 min			
Operation function	Fixed temperature operation, Auto-start operation, Auto-stop operation, Quick auto-stop, Program operation			
Additional functions	Variable wind velocity function, Calendar timer (max. 24 hrs.), Integration time (max. 65535 hrs.), Time display, Amount of electricity saved / Carbon dioxide emission / Heater operation amount display (Switching display), Power fail recovery mode selection, Store and recall user settings			
Heater circuit control	Triac zero-cross control			
Temp. sensor	K-thermocouple (double sensor)			
Safety countermeasures	Self diagnosis functions(Sensor, Fan, Heater, Triac, Automatic overheating prevention), Independent overheating prevention, Key lock function, Electric leakage breaker, Door switch			
Internal dimensions (W×D×H) (mm)	620×750×900	620×750×1200	620×750×900	620×750×1200
External dimensions (W×D×H) (mm)	770×965×1580	770×965×1880	770×965×1580	770×965×1880
Internal capacity	418L	558L	418L	558L
Withstand load of shelf board	Approx. 30kg/piece			
Shelf rest step number	27 steps	37 steps	27 steps	37 steps
Shelf rest pitch	30 mm			
Power source 50 / 60 Hz	AC220V Single phase	AC220V / 380V Three phase		
Weight	Approx. 175kg	Approx. 190 kg	Approx. 175kg	Approx. 190 kg
Accessories: Shelf plate/Shelf bracket	Stainless steel wire, 2 pcs. / 4 pcs.			

Forced convection circulation | Auto overheat prevention | Independent overheat protector | Self-diagnosis | Key lock | Power outage compensation | Overcurrent ELB

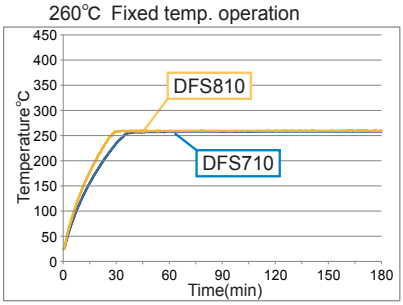
Interior

Method

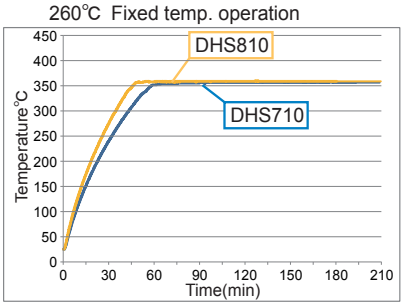


Performance

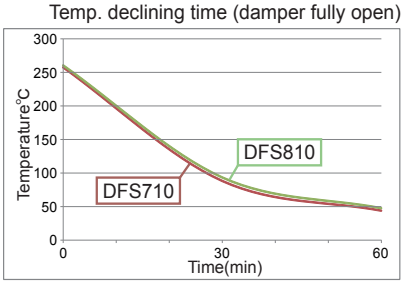
260℃ Fixed temp. operation



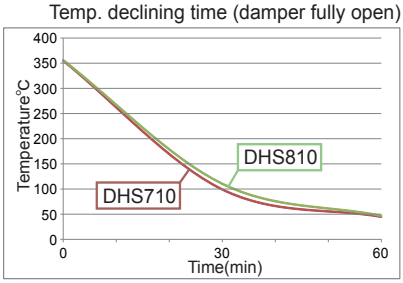
260℃ Fixed temp. operation



Temp. declining time (damper fully open)



Temp. declining time (damper fully open)

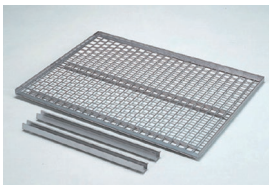


Optional Items

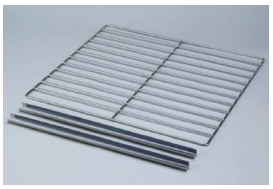
Description		Model No.	Product code
Stainless wire shelf (with support 2 pcs., loading up to 30 kg/shelf)	for DFS/DHS Series		211064
Stainless punching metal shelf (loading up to 15kg/shelf)	for DFS/DHS Series		211099
Stainless punching metal shelf (loading up to 15kg/shelf)	for DFS/DHS Series	ODT14	212925
*Automatic damper	for DFS/DHS Series	ODH32	212987
*Exhaust duct (80mm dia)	for DFS/DHS Series	ODH34	212988
*Emergency stop switch	for DFS710	ODH36	212989
*Emergency stop switch	for DFS810/DHS710	ODH62	212970
*Emergency stop switch	for DHS810	ODH64	212971
*Digital recorder, 6 points, sensors are not included	for DFS/DHS Series	ODH38	212990
*Power cord (10m./pc) for three phase	for DFS810/ DHS710/DHS810	ODH42	212991
*Power cord (10m./pc) for single phase	for DFS710	ODH58	212992
*External communication terminal	for DFS/DHS Series	ODH44	212993
External communication adapter	for DFS/DHS Series	OIN90	211880
*Temperature output terminal	for DFS/DHS Series	ODH46	212994
*External alarm terminal	for DFS/DHS Series	ODH48	212995
*Time up output terminal	for DFS/DHS Series	ODH52	212996
*Operation single output terminal	for DFS/DHS Series	ODH54	212997
*Event output terminal	for DFS/DHS Series	ODH56	212998
Additional sensor (K thermocouple)	for DFS/DHS Series	ODT48	212946
Silicon plug (with one hole)	for DFS710/810	ODT52	212947
Exhaust flange	for DFS/DHS Series	ODF46	281069
*Cable port, 25mm dia	for DFS/DHS Series	ODH66	212972
*Cable port, 50mm dia	for DFS/DHS Series	ODH68	212973
*Cable port, 100mm dia	for DFS/DHS Series	ODH72	212974

*Please specify when ordering main unit.

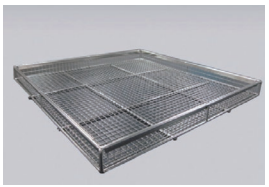
Shelf / Bracket

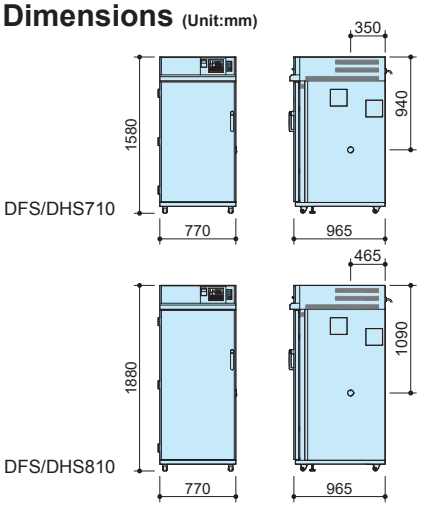


Stainless punching metal
(Weight tolerance 15kg/pc)



Stainless wire
(Weight tolerance 30kg/pc)



Stainless mesh basket shelf
(loading up to 15kg/shelf)
(Placed on top of the standard shelves)

Dimensions (Unit:mm)