

MHW SERIES WALK IN CHAMBER



SPECIFICATIONS

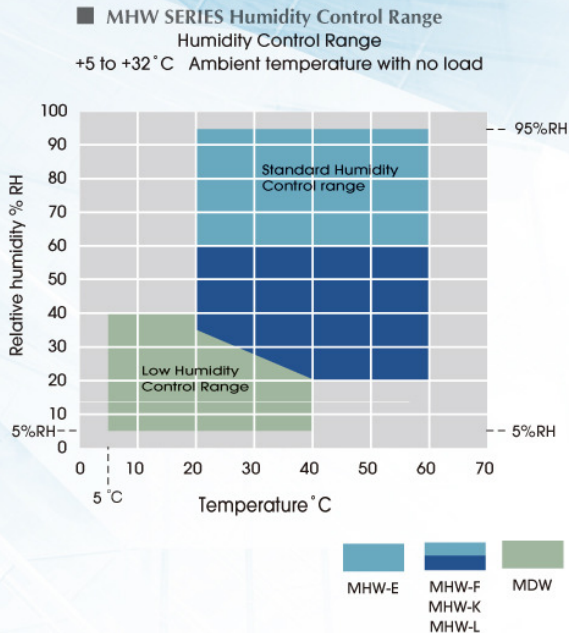
Model	MHW-I	MHW-K	MHW-F	MHW-E	MTW-I	MTW-K	MTW-F
	HW-I	HW-K	HW-F	HW-E	TW-I	TW-K	TW-F
System	Balanced Temperature and humidity Control System						
controller	Programmable Controller						
Program							
Fix point	· LED display 0.1°C, 1% resolution with PID			· LED display 0.1°C resolution with PID			
Temp. range	-40°C ~ 80°C	-30°C ~ 80°C	-10°C ~ 80°C	5°C ~ 80°C	-40°C ~ 80°C	-30°C ~ 80°C	-10°C ~ 80°C
Humid. range	20 ~ 95%RH(MHW MODEL); 5~ 95%RH(MDW MODEL)			60 ~ 95%RH	-		
Temp. constancy	± 0.2°C			± 0.2°C			
Humid. constancy	± 2.5%RH			-			
Temp. uniformity	± 1.0°C			± 1.0°C			
Humid. uniformity	± 5%RH			-			
Heating up time	20°C~80°C within 60 min				20°C~80°C within 60 min		
Pull down time	20°C~40°C within 180 min		20°C~30°C(-10°C, 5°C) within 120 min		20°C~40°C within 180 min		20°C~30°C(-10°C) within 120 min
Interior material	Stainless steel plate						
Exterior material	PVC/steel plate laminate						
Insulation	Urethane foam 100mm (150mm)						
Floor load	500kg / m ²						
Door size	Single opening door 80W × 180Hcm						
Refrigeration system	Water-cooled Hermetically Sealed Single Stage Compression System(cascade refrigeration for MHLW, MTLW,HLW,TLW).						
Safety devices	No fuse breaker, refrigerator over load relay,Refrigeration High pressure,Switch Air circulator thermal switch,Protection relay, Protection fuse,Boil dry protector,Overheat protector,Alarm						
Accessories	Viewing window(30W×30H), Cable port (Φ50mm), Chamber lamp, Operation status indicator						
Power	AC 3 φ 220V 60Hz / AC3 φ 380V 50Hz						
Size	Volume(m ³)		Square measure(m ²)		Inside dimensions(W/H/D cm)		Outside dimensions(W/H/D cm)
4	9.0		4.3		210×210×205		325×236×225
6	12.9		6.1		300×210×205		415×236×225
8	16.8		8.1		390×210×205		505×236×225
13	27.1		12.9		300×210×430		415×236×450
17	35.2		16.8		390×210×430		505×236×450
21	43.3		20.6		480×210×430		595×236×450

Notes: (1)At 20°C Ambient temperature or 25°C water temperature and non-loaded.

(2)The specifications above are for reference only;No further notice will be issued and take the specification in the quotation as standard if any change occurs.

(3)The above specifications are for reference only, the actual specifications for the main quotation.

FEATURES



- **Built-in type Walk-in Chamber.**

The Walk-in Temperature and Humidity Chambers are used to test large components, assemblies and finished products in various industries. (E.g. monitor and automobile products).

They are constructed in modules of control panel, electrical control system, insulation blocks, air circulator and heating/cooling unit. The chambers are specialized in 6 standard types and 24 standard conditioning modules.

- **Functions Expansion Capability.**

The T-6800 controller can communicate with a PC through RS-485 interface, which facilitates the users to control program and monitor the chamber from PC (option).

Dehumidifier adopts a special design to ensure high precision control of low humidity 7% at temperature as low as 5% for electrostatic reliability test (option).

The temperature and humidity curves can be plotted by a recorder.

- **Excellent Performance in Temperature and Humidity Uniformity**

The innovative design of sirocco fan achieves more robust air flow to minimize any dead zone in the chamber, which guarantees optimized temperature uniformity.

- **Well-prepared Safety Devices.**

When the safety devices of the chamber activate, the trouble shooting details and solution will be displayed on the monitor.

OPTIONAL ACCESSORIES

- **Cable port**

Cable port of two types available:
50mm/100mm (I.D)

- **Doors**

Double swing door 140W-180Hcm
(Viewing window 30W × 40H).

- **Pass room**

Provided to avoid disturbance of atmospheric temperature and humidity while opening the door.

- **Carry-in inclined platform**

Provided below the door to facilitate moving of specimens in and out through the door.

- **Entire ceiling blow-out duct**

The extremely wide air inlet reduces the airflow rate (down to approx, 0.5m/s).

- **Dehumidifier**

The rotation regenerating dehumidifier (M-300) ensures precise control of low humidity (21°C, 23%RH) for electrostatic reliability tests.

- **Temperature and humidity recorder**

Y-100-6 -50 to +100°C/0 to 100%RH 100mm
Temp. 3dots, Humid. 3dots.

Y-180-12 -50 to +100°C/0 to 100%RH 180mm
Temp. 6dots, Humid. 6dots.

- **Revolving lamp**

Provides the alarming message, when the mechanical breakdown occurs.

- **Water purifier**

Provides the pure water to keep the humidifier and the wet bulb be moist.

- **Plug socket**

- **Air cooled type**

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