

Zhongkemeiqi (Tianjin) Technology Co., Ltd

Christine Wang



Environmental tester chamber manufacturer

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ZHONG KE MEI QI --- A leading manufacturer of climatic test chambers in the northern part of China .



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High and Low temperature test chamber						
Model	Volume (L)	Temperature Range (°C)	Uniformity/ Fluctuation	Internal Size D*W*H(mm)	External Size D*W*H(mm)	Picture
MQ-T100F-2	100	A,-40°C ~ 150°C B,-70°C ~ 150°C C,-90°C ~ 150°C D,-120°C~150°C	±0.5°C/ ≤2.0°C	450×450×500	650×1000×1450	
MQ-T250F-2	250			600×600×700	800×1200×1700	
MQ-T500F-2	500			750×750×900	950×1400×1900	
MQ-T1000F-2	1000			1000×1000×1000	1200×1500×1950	

High and Low temperature Humidity test chamber						
Model	Volume (L)	Temperature Range (°C)	Humidity Range (RH)	Internal Size D*W*H(mm)	External Size D*W*H(mm)	Picture
MQ-TH100F-2	100	A,-40°C ~ 150°C B,-70°C ~ 150°C C,-90°C ~ 150°C D,-120°C~150°C	A,10% ~ 98%RH B,20% ~ 98%RH C,30%~98%RH	450×450×500	650×1000×1450	
MQ-TH250F-2	250			600×600×700	800×1200×1700	
MQ-TH500F-2	500			750×750×900	950×1400×1900	
MQ-TH1000F-2	1000			1000×1000×1000	1200×1500×1950	

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Desktop type High and Low temperature Humidity test chamber						
Model	Volume (L)	Temperature Range (°C)	Humidity Range (RH)	Internal Size D*W*H(mm)	External Size D*W*H(mm)	Picture
MQ-DT (H) 15F-2	15	A,-20°C ~ 150°C B,-40°C ~ 150°C C,-70°C ~ 150°C D,-90°C~150°C	A,10% ~ 98%RH B,20% ~ 98%RH C,30%~98%RH	300×200×250	460×875×740	
MQ-DT (H) 30F-2	30			300×300×350	550×975×1050	
MQ-DT (H) 50F-2	50			350×350×400	600×1000×1200	

High temperature test chamber						
Model	Volume (L)	Temperature Range (°C)	Heating Rate	Internal Size D*W*H(mm)	External Size D*W*H(mm)	Picture
MQ-HT100	100	A,RT+20°C ~ 250°C B,RT+20°C ~ 300°C	≥3°C/ Min	450×450×500	790×770×900	
MQ-HT250	250			600×600×700	860×920×1150	
MQ-HT500	500			700×800×900	1050×1150×1300	
MQ-HT1000	1000			1000×1000×1000	1300×1350×1400	



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Temperature Rapid-Changed test chamber						
Model	Volume (L)	Temperature Range (°C)	Heating/Cooling Rate	Internal Size D*W*H(mm)	External Size D*W*H(mm)	Picture
MQ-TQH100	100	A,-40°C ~ 150°C B,-70°C ~ 150°C C,-90°C ~ 150°C D,-120°C ~ 150°C	5,10,15,20,25, 30°C/ Min	450×450×500	650×1200×1450	
MQ-TQH250	250			600×600×700	800×1400×1700	
MQ-TQH500	500			750×750×900	950×1600×1900	
MQ-TQH1000	1000			1000×1000×1000	1200×1800×1950	
MQ-TQH2400	2400			1300×1400×1300	1800×3150×2500	

Low pressure Temperature test chamber						
Model	Volume (L)	Temperature Range (°C)	Pressure Range	Internal Size D*W*H(mm)	External Size D*W*H(mm)	Picture
MQ-TL100	100	A,-40°C ~ 150°C B,-80°C ~ 150°C C,-90°C ~ 150°C	Atmospheric pressure ~ 0.5KPa	450×450×500	980×1000×1750	
MQ-TL250	250			600×600×700	1100×1300×1800	
MQ-TL500	500			800×800×800	1250×1500×1980	
MQ-TL1000	1000			1000×1000×1000	1450×1800×2280	

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Thermal Shock test chamber (Two-zones Type)						
Model	Volume (L)	Temperature Range (°C)	Shock temperature	Internal Size D*W*H(mm)	External Size D*W*H(mm)	Picture
MQ-2TS100	100	A,-75°C ~ 200°C B,-90°C ~ 200°C C,-120°C~200°C	A,-55 °C ~ 160°C B,-75 °C ~ 160°C C,-85 °C~160°C	500×500×400	1020×1200×1850	
MQ-2TS180	180			600×600×500	1200×1500×1900	
MQ-2TS300	300			700×700×600	1350×1600×1980	
MQ-2TS1000	1000			1000×1000×1000	2450×1800×1980	

Thermal Shock test chamber (Three-zones Type)						
Model	Volume (L)	Temperature Range (°C)	Shock temperature	Internal Size D*W*H(mm)	External Size D*W*H(mm)	Picture
MQ-3TS50	50	A,-75°C ~ 200°C B,-90°C ~ 200°C C,-120°C~200°C	A,-55 °C ~ 160°C B,-75 °C ~ 160°C C,-85 °C~160°C	350×350×400	1050×1100×1850	
MQ-3TS100	100			400×500×500	1120×1200×1850	
MQ-3TS250	250			600×600×700	1300×1600×1900	
MQ-3TS500	500			800×800×800	1450×1800×1980	

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Temperature-Humidity-Vibration test chamber						
Model	Volume (L)	Temperature Range (°C)	Humidity Range (RH)	Vibration table size	Vibration Frequency	Picture
MQ-THV500	500	A,-40°C ~ 150°C B,-70°C ~ 150°C C,-90°C~150°C	A,10%~98%RH B,20%~98%RH C,30%~98%RH	φ320mm; φ445mm; φ550mm	3~2500HZ; 3~3000HZ; 5~4500HZ	
MQ-THV1000	1000					
MQ-THV2000	2000					

Walk-in Environmental laboratory						
Model	Volume	Temperature Range (°C)	Humidity Range (RH)	Laboratory function selection	Internal Size D*W*H(mm)	Picture
MQ-WE8	8m3	A,-40°C ~ 80°C B,-70°C ~ 80°C C,-90°C ~80°C D,-120°C~80°C	20%~98%RH	High-Low / Constant Temperature/ Humidity / Vibration ; Salt Spray / Xenon lamp / Rain / Dust /UV Ozone aging ...	2000×2000×2000	
MQ-WE22	22m3				3000×3000×2500	
MQ-WE48	48m3				4000×4000×3000	
MQ-WE120	120m3				5500×5500×4000	

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Space Environment Simulation Test Equipment

Model	Vacuum chamber size(mm)	Ultimate vacuum /Working vacuum	Refrigeration method	Temperature range	Picture
MQ-KM1	φ1000×1500	≤5×10 ⁻⁵ Pa ≤1.0×10 ⁻³ P	Coolant method ---Heat sink + cold plate	-75℃~+130℃	
MQ-KM2	φ2000×2500		Compound working method --- Heat sink + heating cage	-110℃~+150℃	
MQ-KM3	φ3000×3500		Liquid nitrogen refrigeration ---Liquid nitrogen heat sink + heating cage	-173℃~+170℃	

Turntable Temperature Control Chamber

Model	Turntable type	Corner range	Temperature Range (°C)	Heating/ Cooling Rate	Internal Size D*W*H(mm)	Picture
MQ-TT100	A.Single-axis turntable,	Inner Ring: Continuous Unlimited; Outer Ring: Continuous Unlimited	A,-60℃~100℃ B,-80℃~100℃	≥2.0/5.0/1 0.0℃/ Min	450×450×500	
MQ-TT216	B.double-axis turntable,				600×600×600	
MQ-TT343	C. three-axis turntable				700×700×700	
MQ-TT512					800×800×800	

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Xenon Lamp weathering accelerating test chamber						
Model	Volume (L)	Temperature / Humidity Range (°C)	Radiation	Internal Size D*W*H(mm)	External Size D*W*H(mm)	Picture
MQ-XD-250	250	RT+10°C ~ 100°C / 65%~90%RH	500W/ m ² ~1100W/ m ²	600×600×600	1120×1150×1450	
MQ-XD-500	500			800×800×800	1220×1250×1500	
MQ-XD-1000	1000			1000×1000×1000	1320×1350×1950	

Ozone aging resistance test chamber						
Model	Volume (L)	Temperature / Range (°C)	Ozone Concentration	Product stretch length(mm)	Internal Size D*W*H(mm)	Picture
MQ-CY-150	150	RT+10°C~100°C	1~1000pphm adjustable	1~100mm adjustable	500×500×600	
MQ-CY-500	500				800×800×800	
MQ-CY-1000	1000				1250×1250×1250	

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UV light aging accelerating test chamber						
Model	Volume (L)	Temperature / Humidity Range (°C)	UV wavelength	Internal Size D*W*H(mm)	External Size D*W*H(mm)	Picture
MQ-UV-1	170	RT+10°C ~ 70°C adjustable / 95%~100%RH	UVA340 wavelength range 315~400nm ; UVB313wavelength range280~315nm	1140×400×380	1300×500×1460	

Salt Spray Test Chamber (Simple version)							
Model	Volume (L)	Test Type	Tempe Range (°C)	Salt Spray Settlement	Internal Size D*W*H(mm)	External Size D*W*H(mm)	Picture
MQ-YW-60	108	NSS AASS CASS	Test temp RT ~ 50°C Saturated barrel temp RT~63°C	1~2ml/80 m ² / h	600×400×450	1150×1090×672	
MQ-YW-90	270				900×500×600	1450×1200×842	
MQ-YW-120	480				1200×500×800	2080×1285×1240	
MQ-YW-160	800				1600×500×1000	2080×1285×1240	
MQ-YW-200	1440				2000×600×1200	2900×1550×1650	

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Salt Spray Test Chamber (Compound version)								
Model	Volume (L)	Test Type	Tempe Range	Humidity Range	Salt Spray Settlement	Internal Size D*W*H(mm)	External Size D*W*H(mm)	Picture
MQ-FHYW-90	216	NSS AASS CASS	Test temp RT ~ 85℃ Saturated barrel temp RT ~ 63℃	20%RH~ 98%RH	1~2ml/80 m ² / h	900×400×600	2450×1553×1430	
MQ-FHYW-120	600					1200×500×1000	2830×1556×1830	
MQ-FHYW-160	800					1600×500×1000	3230×1556×1830	
MQ-FHYW-200	1200					2000×500×1200	3630×1559×2030	

Dust Sand Test Chamber						
Model	Volume (L)	Temperature / Range (℃)	Wire /Line	Powder Amount	Internal Size D*W*H(mm)	Picture
MQ-SC-500	500	RT+10℃~100℃	Wire Diameter 50um;Line Spacing 75um	2Kg~4Kg/m ²	800×800×800	
MQ-SC-1000	1000				1000×1000×1000	
MQ-SC-2000	2000				1250×1250×1250	

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Vacuum Drying Oven

Basic Information

Model :MQ-ZK Series

Volume : 20L / 30L / 50L / 90L / 210L / 250L / 500L

Structure : A.One piece vertical ; B.Split desktop

Control Method:

A. Digital display button B. Program cycle

C. Vacuum degree digital display + automatic control

D. PLC programming

Temperature range : RT+10℃~250℃

Heating rate: ≥ 3℃/Min

Vacuum degree:≤ 133pa

Picture



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Rain Test Chamber

Basic Information

Model :MQ-R9000

Volume:9000L

Internal Size D*W*H(mm) :2400 ×1500×2400

External Size D*W*H(mm) :3000 ×4000×3000

Adjustable range of rain intensity:

lower value, not more----3mm/min ;

upper value, not less--- 10 mm/min

Range of accuracy to maintain rain intensity:

lower value, not more --- -2mm/min ;

upper value, not less --- +2mm/min

Overlapping dimensions of the product area of rain,

not less : 300mm

Number of nozzles on the swivel frame, not less : 400pcs

Nozzle diameter, not more: 0.4mm

Picture



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Drop Test Bench						
Model	Drop height (mm)	Maximum size of test piece (mm)	Maximum load (kg)	Falling way	Test Method	Picture
MQ-D1500	300~1500	1000×800×1000	60 ;100	Electric type (E)	Face, edge, corner	
MQ-D2000	300~2000	1000×800×1000		Pneumatic (P)		
MQ-D2500	300~2500	1200×800×1000				

Simulated transport Test Bench						
Model	Maximum load (kg)	Vibration waveform	Simulated speed (km/h) Simulated road	Specimen center height (mm)	Work table (mm)	Picture
MQ-S200	200	1700×1200× Broadband random vibration	20~40km/h Third-level intermediate road and fourth-level highway,low-grade road	<500	1500*700	
MQ-S300	300			<600	1500*700	
MQ-S600	600			<700	2000*1500	

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Vibration Test Bench (Air Cooling)

Model	Frequency range (HZ)	Shock excitation force (KN)	Acceleration (m/s ²)	Maximum displacement (mm)	Table Size (mm)	Picture
V20-320	5~3000	40	1000	51	320	
V30-370	5~2800	60	1000	51	370	
V40-445	5~2700	80	800	51	445	
V60-445	5~2700	120	1000	51	445	



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Ultra Low Temperature Solution

Application of the Mechanical Refrigeration Ultra-low Temperature Technology

- 1) Replace the traditional liquid nitrogen refrigeration, solves the transportation problems caused by the use of liquid nitrogen every day.
- 2) The energy required for cooling with a mechanical compressor is only 30% of liquid nitrogen refrigeration. Temperature range -80°C, -130°C, -150°C, -170°C, -190°C, fast cooling, safe and reliable.
- 3) widely used in petrochemical, medical, pharmaceutical, biochemical, freeze-dried, pharmaceutical, military and other high-tech Industry and other fields.

Picture

