

401L Stackable Incubator Shakers – IS-6 Series



- Large capacity, 401 liter.
- Triple Eccentric Drive.
- 10" High-Res Color Touch Screen with intuitive user interface.
- ± 0.4 Temp uniformity.
- Infra-Red(IR) CO₂ sensor for precise and reliable CO₂ detection.
- Optional WiFi and RS485 monitoring and control.
- Stackable design up to 3 units.

◆ Specifications

Model	IS-6	IS-6T	IS-6C	IS-6C5	IS-6C5T
Description	Stackable Incubator Shaker (401L, Touch Screen)	Stackable Incubator Shaker (401L, Upward Door, Touch Screen)	Stackable Incubator Shaker with CO ₂ Controller (401L, Touch Screen)	Stackable Incubator Shaker with CO ₂ Controller and Shake Diameter 50mm (401L, Touch Screen)	Stackable Incubator Shaker with CO ₂ Controller and Shake Diameter 50mm (401L, Upward Door, Touch Screen)
Platform Dimensions	900x560mm				
Max. Capacity	Clamp Capacity: 50mlx135 / 100mlx60 / 150mlx60 / 200mlx60 / 250mlx60 / 500mlx38 / 1000mlx24 / 2000mlx15 / 3000mlx12 StickyMat: 50mlx187 / 100mlx112 / 150mlx104 / 200mlx84 / 250mlx77 / 500mlx40 / 1000mlx28 / 2000mlx15 / 3000mlx15 / 5000ml(Thomson)x8				
Capacity	401L				
Max. Load	20kg				
Temp. Range	Room Temp. Minus 18°C~60°C (Lowest Temp. is 4°C)				
Temp. Accuracy	± 0.1 °C				
Temp. Uniformity	± 0.5 °C (@37°C)		± 0.4 °C (@37°C)		
Speed	0 (Stop), 30~300rpm				
Speed Accuracy	± 1 rpm				
Orbit Diameter	$\phi 26$ mm			$\phi 50$ mm	
CO ₂ Sensor	N/A		IR		
CO ₂ Control Range	N/A		0~20%		
CO ₂ Control Accuracy	N/A		± 0.1 %		
Recover Time after Open Door 30s on Temp.	≤ 6 min (@37°C)				
Recover Time after Open Door 30s on Co ₂	N/A		≤ 6 min (@5%)		
Humidity Type	N/A		Evapor Naturally		
Max. Humidity	N/A		95%		
Programmable Segments	12 Segments				
Illumination	LED Lamps on Left and Right chamber wall				
Disinfection	UV Lamps on Left and Right chamber wall				

Model	IS-6	IS-6T	IS-6C	IS-6C5	IS-6C5T
Door Open Direction	Downward	Upward	Downward	Downward	Upward
Parameter Protection	Passwords Protect				
Data Display	Temp.,Speed		Temp.,Speed,CO ₂ ,RH		
Display	10" High-Res Color Touch Screen				
Timer	0~999h59min				
USB Export Data	Yes				
Screen Data Display	Displays Most Recent 7 Days of Data				
Data export period	Most recent 912 days of Data				
Data Storage Interval	1min				
Data Stored	Time,Temp,Speed,Instrument Status		Time,Temp,Speed,CO ₂ ,RH,Instrument Status		
Auto-Defrost	Yes				
Screen auto-sleep	Screen sleeps after set inactive time				
Screen auto-lock	Yes				
Third Platform Height	1496mm				
Platform movement	Slides on rails				
Noise Level	≤ 55 dB (When Compressor is running)				
Auto-recovery after Power Interruption	Yes				
Power when Heating	≤ 850 W				
Power when Cooling	70~230W				
Power	≤ 950 W		≤ 1000 W		
Power Supply	AC 220V ± 22 V, 50Hz / 60Hz				
RH Control	NA		Optional(10% above ambient humidity, up to 90%)		
Mobile Monitor and Control by WiFi	Optional				
PC Monitor and Control by RS485	Optional				
Window cover	Optional				
Net Weight	315kg	325kg	315kg	320kg	330kg
Internal Working Height	335mm				
External Dimensions	1400x886x (600+80 feet high)mm	1400x886x (648+80 feet high)mm	1400x886x (600+80 feet high)mm		1400x886x (648+80 feet high)mm

401L Stackable Incubator Shakers with Magnetic Drive – IS-6M Series



- Incubator Shakers with Magnetic Drive.
- Magnetic Drive motor: more reliable, less maintenance.
- Large capacity, 401 liter.
- 10" High-Res Color Touch Screen with intuitive user interface.
- Infra-Red(IR) CO2 sensor for precise and reliable CO2 detection.
- Optional WiFi and RS485 monitoring and control.
- Stackable design up to 3 units.

◆ Specifications

Model	IS-6M	IS-6MT	IS-6CM	IS-6CM5	IS-6CM5T
Description	Stackable Incubator Shaker (401L, Touch Screen)	Stackable Incubator Shaker (401L, Upward Door, Touch Screen)	Stackable Incubator Shaker with CO2 Controller (401L, Touch Screen)	Stackable Incubator Shaker with CO2 Controller and Shake Diameter 50mm (401L, Touch Screen)	Stackable Incubator Shaker with CO2 Controller and Shake Diameter 50mm (401L, Upward Door, Touch Screen)
Platform Dimensions	900x560mm				
Max. Capacity	Clamp Capacity: 50mlx135 / 100mlx60 / 150mlx60 / 200mlx60 / 250mlx60 / 500mlx29 / 1000mlx22 / 2000mlx15 / 3000mlx12 / 5000ml(Thomson)x6 StickyMat: 50mlx187 / 100mlx112 / 150mlx104 / 200mlx84 / 250mlx77 / 500mlx40 / 1000mlx28 / 2000mlx15 / 3000mlx13 / 5000ml(Thomson)x8				
Capacity	401L				
Max. Load	20kg				
Temp. Range	Room Temp. Minus 18°C~60°C (Lowest Temp. is 4°C)				
Temp. Accuracy	±0.1°C				
Temp. Uniformity	±0.4°C (@37°C)		±0.3°C (@37°C)		
Speed	0 (Stop), 30~350rpm				
Speed Accuracy	±1rpm				
Orbit Diameter	φ 26mm			φ 50mm	
CO ₂ Sensor	N/A		IR		
CO ₂ Control Range	N/A		0~20%		
CO ₂ Control Accuracy	N/A		±0.1%		
Recover Time after Open Door 30s on Temp.	≤6min (@37°C)				
Recover Time after Open Door 30s on Co ₂	N/A		≤6min (@5%)		
Humidity Type	N/A		Evapor Naturally		
Max. Humidity	N/A		95%		
Programmable Segments	12 Segments				
Illumination	LED Lamps on Left and Right chamber wall				
Disinfection	UV Lamps on Left and Right chamber wall				

Model	IS-6M	IS-6MT	IS-6CM	IS-6CM5	IS-6CM5T
Door Open Direction	Downward	Upward	Downward	Downward	Upward
Parameter Protection	Passwords Protect				
Data Display	Temp.,Speed		Temp. Speed, CO ₂ ,RH		
Display	10" High-Res Color Touch Screen				
Timer	0~999h59min				
USB Export Data	Yes				
Screen Data Display	Displays Most Recent 7 Days of Data				
Data export period	Most recent 912 days of Data				
Data Storage Interval	1min				
Data Stored	Time, Temp, Speed, Instrument Status		Time, Temp, Speed, CO ₂ , RH, Instrument Status		
Auto-Defrost	Yes				
Screen auto-sleep	Screen sleeps after set inactive time				
Screen auto-lock	Yes				
Third Platform Height	1491mm				
Platform movement	Slides on rails				
Noise Level	≤55dB (When Compressor is running)				
Auto-recovery after Power Interruption	Yes				
Power when Heating	≤850W				
Power when Cooling	70~230W				
Power	≤950W		≤1000W		
Power Supply	AC 220V±22V, 50Hz / 60Hz				
RH Control	NA		Optional(10% above ambient humidity, up to 90%)		
Mobile Monitor and Control by WiFi	Optional				
PC Monitor and Control by RS485	Optional				
Window Cover	Optional				
Net Weight	265kg	275kg	270kg		280kg
Internal Working Height	335mm				
External Dimensions	1400x886x (600+80 feet high)mm				

302L Stackable Incubator Shakers – IS-18 Series



- Large capacity, 302 liter.
- Triple Eccentric Drive.
- ±0.2 Temp uniformity.
- 7" High-Res Color Touch Screen with intuitive user interface.
- Infra-Red(IR) CO2 sensor for precise and reliable CO2 detection.
- Optional WiFi and RS485 monitoring and control.
- Stackable design up to 3 units.

◆ Specifications

Model	IS-18	IS-18C	IS-18C5
Description	Stackable Incubator Shaker (302L, Touch Screen)	Stackable Incubator Shaker with CO2 Controller (302L, Touch Screen)	Stackable Incubator Shaker with CO2 Controller and Shake Diameter 50mm (302L, Touch Screen)
Platform Dimensions	900x560mm		
Max. Capacity	Clamp Capacity: 50mlx134 / 100mlx60 / 150mlx60 / 200mlx60 / 250mlx60 / 500mlx32 / 1000mlx22 / 2000mlx15 StickyMat: 50mlx187 / 100mlx112 / 150mlx104 / 200mlx84 / 250mlx76 / 500mlx40 / 1000mlx28 / 2000mlx15 / 5000mlx8		
Capacity	302L		
Max. Load	20kg		
Temp. Range	Room Temp. Minus 20°C~60°C (Lowest Temp. is 4°C)		
Temp. Accuracy	±0.1°C		
Temp. Uniformity	±0.2°C (@37°C)		
Speed	0 (Stop), 30~300rpm		
Speed Accuracy	±1rpm		
Orbit Diameter	φ 26mm	φ 50mm	
CO ₂ Sensor	N/A	IR	
CO ₂ Control Range	N/A	0~20%	
CO ₂ Control Accuracy	N/A	±0.1%	
Recover Time after Open Door 30s on Temp.	≤6min (@37°C)		
Recover Time after Open Door 30s on Co ₂	N/A	≤6min (@5%)	
Humidity Type	N/A	Evapor Naturally	
Max. Humidity	N/A	95%	
Programmable Segments	12 Segments		
Illumination	LED Lamps on Left and Right chamber wall		
Disinfection	UV Lamps on Left and Right chamber wall		

Model	IS-18	IS-18C	IS-18C5
Door Open Direction	Downward	Downward	Downward
Parameter Protection	Passwords Protect		
Data Display	Temp.,Speed	Temp.,Speed,CO ₂ ,RH	
Display	10" High-Res Color Touch Screen		
Timer	0~999h59min		
USB Export Data	Yes		
Screen Data Display	Displays Most Recent 7 Days of Data		
Data export period	Most recent 912 days of Data		
Data Storage Interval	1min		
Data Stored	Time, Temp, Speed, Instrument Status	Time, Temp, Speed, CO ₂ , RH, Instrument Status	
Auto-Defrost	Yes		
Screen auto-sleep	Screen sleeps after set inactive time		
Screen auto-lock	Yes		
Third Platform Height	1350mm		
Platform movement	Slides on rails		
Noise Level	≤55dB (When Compressor is running)		
Auto-recovery after Power Interruption	Yes		
Power when Heating	≤850W		
Power when Cooling	70~230W		
Power	≤950W	≤1000W	
Power Supply	AC 220V±22V, 50Hz / 60Hz		
RH Control	NA	Optional(10% above ambient humidity, up to 90%)	
Mobile Monitor and Control by WiFi	Optional		
PC Monitor and Control by RS485	Optional		
Window Cover	Optional		
Net Weight	200kg		
Internal Working Height	308 mm		
External Dimensions	1355x885x (535+80 feet high)mm		

* Please refer to page 29 to page 35 for accessories.

◆ Incubator Shaker Accessories



Flask Clamp

Part Number	Specifications	Note
IS-A1	50ml	Made of polished stainless steel sheet. They can be fixed on any platform of all models of incubator shakers.
IS-A2	100ml	
IS-A3	150ml	
IS-A4	200ml	
IS-A5	250ml	
IS-A6	500ml	
IS-A7	1000ml	
IS-A8	2000ml	
IS-A9	3000ml	
IS-A10	5000ml	
IS-A50	25ml	



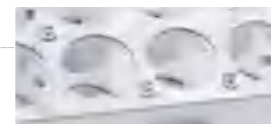
Adjustable Test Tube Rack

Part Number	Specifications	Note	
IS-A20	40 Hole ϕ 14mm For 5ml Tube	Made of stainless steel and high grade ABS plastic material. Compatible with all of IncuShakers®. Outside Dimensions (W x D x H): 267x125x172mm	
IS-A21	40 Hole ϕ 16mm For 10ml Tube		
IS-A30	40Hole ϕ 18mm For 15ml Tube		
IS-A109	40Hole ϕ 16mm For 15ml Tube Mute		
IS-A31	27 Hole ϕ 22mm For 20ml Tube		IS-A109 Outside Dimension (include knob): 305x125x172mm
IS-A32	21Hole ϕ 30mm For 50ml Tube		
IS-A102	21Hole ϕ 30mm For 50ml Tube		



Test Tube Rack

Part Number	Specifications	Note
IS-A11	40 Hole ϕ 14mm For 5ml Tube	Made of stainless steel and high grade ABS plastic material. Compatible with all of IncuShakers®. Outside Dimensions (W x D x H): 262x112x140mm
IS-A12	40 Hole ϕ 16mm For 10ml Tube	
IS-A23	40 Hole ϕ 18mm For 15ml Tube	
IS-A24	27 Hole ϕ 22mm For 20ml Tube	
IS-A42	21 Hole ϕ 30mm For 50ml Tube	



Test Tube Holder

Part Number	Specifications	Note
IS-A101	21Hole ϕ 30mm For 50ml Tube Mute	Add tube stabilization device running static Outside Dimension: 262x112x142mm
IS-A106	40Hole ϕ 18mm For 15ml Tube Mute	
IS-A103	10Hole ϕ 30mm For 50ml Tube Mute	Add tube stabilization device running static Outside Dimension: 197x86x105mm
IS-A105	24Hole ϕ 16mm For 15ml Tube Mute	also for bench top shaker



Adjustable Test Tube Rack

Part Number	Specifications	Note
IS-A37	24 Hole ϕ 30mm For 50ml Tube	Made of stainless steel, rack for 300mm long tubes. Outside Dimensions (W x D x H): 423x150x200mm

◆ Incubator Shaker Accessories

Multifunction Spring Platform



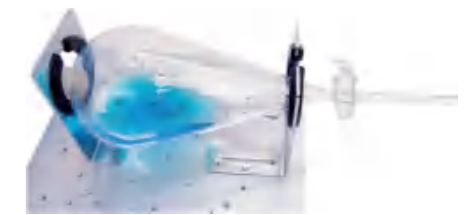
* Made of stainless steel. Can be fixed onto shaking platform.

Part Number	Specifications	Weight	Note
IS-A19	165x165x80mm	1.2kg	For all shakers.
IS-A27	350x240x80mm	2.5kg	For IS-RSDA Series
IS-A22	450x400x80mm	5.1kg	For IS-RDD3, IS-RSD3 Series
IS-A39	720x440x80mm	11.4kg	For IS-RDS3, IS-RDS4, IS-4 Series
IS-A63	899x539x81.5mm	13.8kg	For IS-6, IS-5, IS-6M, IS-18 Series
IS-A94	740x440x81.5mm	11.6kg	For IS-4 Series
IS-A96	550x470x80mm	6.7kg	For IS-A, IS-AX, IS-AM Series

Fixture for Separating Funnel



Part Number	Specifications	Note
IS-A25	355x402x153mm	Used for separating funnel with volume 5000ml.



Part Number	Specifications	Note
IS-A35		Used for separating funnel with volume greater than 500ml.

Infusion Bottle Clamp



Part Number	Specifications	Note
IS-A33	500ml	Made of stainless steel. Can be fixed on all platforms of incubator shakers.



Part Number	Specifications	Note
IS-A34	1000ml	Made of stainless steel. Can be fixed on all platforms of incubator shakers.

◆ Incubator Shaker Accessories

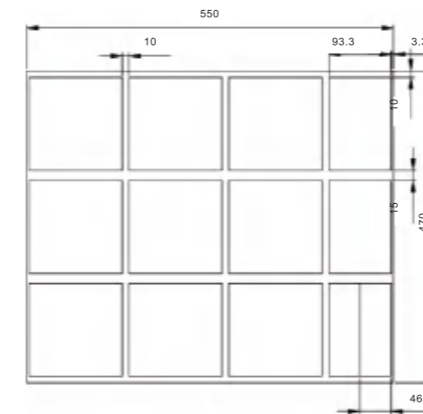


Sticky Mat

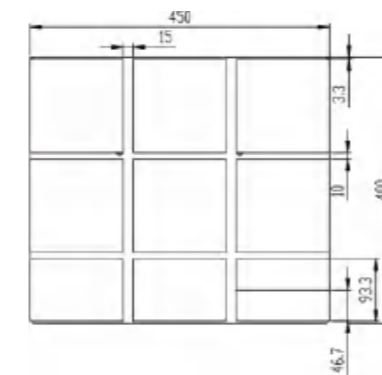
Part Number	Specifications	Note
IS-A47	140x140mm	Apply to all shakers, reusable after washing and drying.

* Keep the mat on the platform for 10 mins before operation, to obtain better adhesion

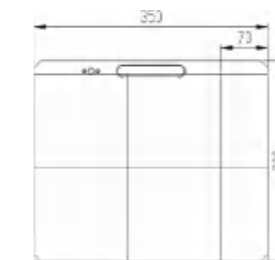
Incubator Shaker Self-Adhesive Silica Mat Layout Diagram:



Part Number	IS-A5CM
Platform Dimensions	550x470mm
140x140mm Sticky Mat Quantity	12pcs

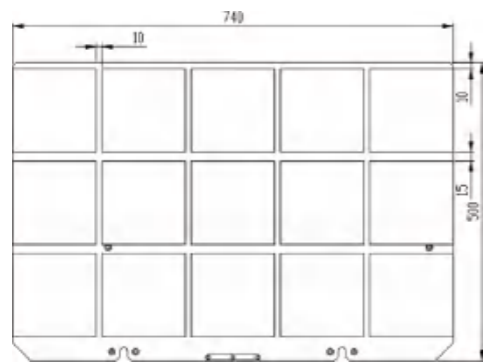


Part Number	IS-RDD3/RSD3
Platform Dimensions	450x400mm
140x140mm Sticky Mat Quantity	8pcs

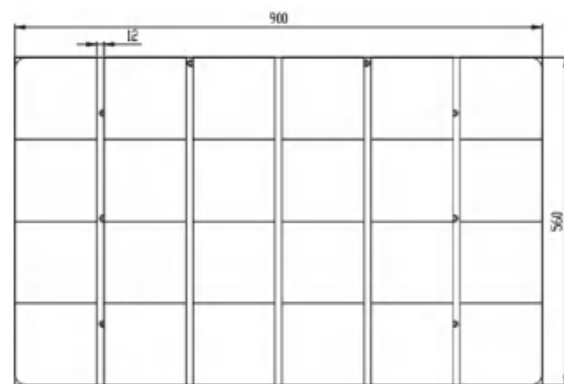


Part Number	IS-RDSA
Platform Dimensions	350x300mm
140x140mm Sticky Mat Quantity	5pcs

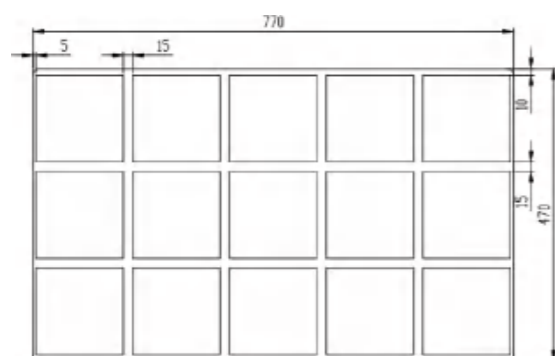
Sticky mat layout of platforms:



Part Number	IS-RDS3 IS-RDS4
Platform Dimensions	740x500mm
140x140mm Sticky Mat Quantity	15pcs



Part Number	IS-6, IS-6M IS-6L, IS-5 IS-18
Platform Dimensions	900x560mm
140x140mm Sticky Mat Quantity	24pcs



Part Number	IS-4
Platform Dimensions	770x470mm
140x140mm Sticky Mat Quantity	15pcs

◆ Incubator Shaker Accessories



Rack for Stacking Incubator Shakers

Part Number	Specifications	Note
IS-A29	948x630x225mm	Used for IS-RDS3, IS-RDS4 Series.
IS-A62	1440x775x330mm	Used for IS-6L, IS-5 Series.
IS-A91	1241x651x340mm	Used for IS-4 Series.
IS-A93	971x625x340mm	Used for IS-A, IS-AX, IS-AM Series.
IS-A118	1305x745x340mm	Used for IS-18C Series.

◆ Incubator Shaker Accessories



5000ml Flask Holder

Part Number	Specifications	Note
IS-A26	500x292x200mm	For IS-RDS3 and IS-5 series



Deep Well Plate Clamp

Part Number	Specifications	Note
IS-A61	780x450x84mm	Maximum Quantity Held: 21



24-Deep Well Plate Clamp

Part Number	Specifications	Note
IS-A107	130x98x85mm	For 24 Well Plate. Dimension: 127x85x51mm (with cover and sticky mat) Used for: IS-RDS3, IS-4, IS-5, IS-A5CM Series



96-Well Microplate Holder

Part Number	Specifications	Note
IS-A13	136x95mm	Can be fixed on any platform of incubator shakers.



Static shelf

Part Number	Specifications	Note
IS-A110	1005x600x43mm	Used for: IS-6, IS-6L, IS-5 Series.
IS-A116	864x500x43mm	Used for: IS-4 Series
IS-A162	600x500x43mm	Used for: IS-A, IS-AX, IS-AM Series



Double Cradle

Part Number	Specifications	Note
IS-A138	WxD: 900x560mm H: 180mm	For IS-5, IS-6 Series, for placing culture vessel or conical bottles under 150ml, can be operated within 180rpm.

◆ Incubator Shaker Accessories



Remote Monitoring for Incubator shaker (With APP)

Part Number	Specifications	Note
IS-A64	Please see Page 7.	Include basic monitor & control unit and APP software
IS-A65		Include monitor & control unit and software for Apple iPhone and iPad
IS-A66		Include advanced version monitor & control unit for Apple iPhone and iPad



50ml Adjustable Test Tube Holder

Part Number	Specifications	Note
IS-A133	24Hole ϕ 30mm For 50ml Tube	External Dimension: 365x139x126mm



15ml Adjustable Test Tube Holder

Part Number	Specifications	Note
IS-A136	Mute 44Hole ϕ 18.5mm For 15ml Tube	External Dimension: 365x139x126mm



Fixed Test Tube Holder

Part Number	Specifications	Note
IS-A111	36Hole ϕ 22mm For 20ml Tube	External Dimension: 250x134x160mm
IS-A112	36Hole ϕ 18mm For 15ml Tube	
IS-A113	55Hole ϕ 16mm For 10ml/15ml Tube	
IS-A114	15Hole ϕ 30mm For 50ml Tube	



50ml Stainless Steel Test Tube Holder

Part Number	Specifications	Note
IS-A117	24Hole ϕ 30mm For 50ml Tube	External Dimension: 382x139x75mm



Window Shade



Part Number	Specifications	Note
IS-A80	702x352mm	For IS-5, IS-6, IS-6M Series.
IS-A81	652x232mm	For IS-4 Series.
IS-A95	450x250mm	For IS-A Series.

Incubator Shakers

◆ Incubator Shaker Accessories



Automatic Water Replenishing Device

Part Number	IS-A71
Humidification Type	Automatic Evaporation
Power Supply	AC110~240V, 50/60Hz

Automatic replenisher has a sensor to detect the water level in the humidity tray. Distilled water could be automatically replenished from water tank if the water in the humidity tray is below the level and replenishing stops when the water level is reached. No need to refill water manually.



Water Tank

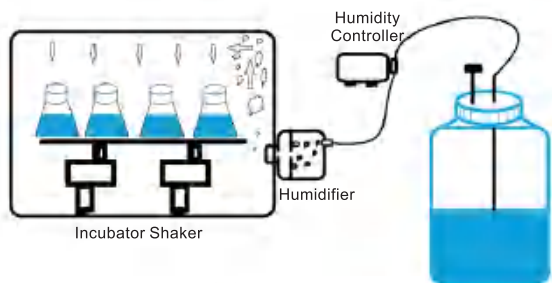
Part Number	Specifications	Note
IS-A90	449x240x240mm	Used with IS-A71 or IS-A72; Capacity 15L.



RH Controller

Part Number	IS-A72
Humidity Type	RH Controller
Max. Humidity	CO ₂ Incubator 95% Incubator Shaker 90% 10% above ambient humidity
RH Set Accuracy	±1%
RH Control Accuracy	±5%
Water Refill	Automatic
Power Supply	AC 220V±22V, 50/60Hz

The RH control system includes a humidity controller and automatic replenisher. The controller regulates the heating temperature and water flow rate. When distilled water was replenished from water tank and get through the humidifier, high temperature steam is produced and spread into the shaker chamber. Therefore, the humidity in the chamber can be set and precisely controlled as required. No humidity tray is needed, no contamination in the chamber.



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