WEISS TECHNIK Envirotronics
a schunk company

Global Partner for Environmental Test Chambers

EA SERIES

Altitude Chambers

The Weiss Envirotronics EA Series chamber is designed to perform at various conditions based on your test requirements. Altitude with temperature or temperature with humidity can be achieved with the EA Series. Many options also available to customize your specific testing application.

Features:

- Aggressive Altitude range of Site to 100,000 ft with a rate of up to 4,000 ft/min
- Both internal and external pressure member construction available
- Temperature/Altitude testing from site altitude to 65,000 ft.
- Heavy duty actuated door latch system for added safety.
- Solid state altitude sensor
- Guaranteed soak and automatic hold
- Dual air circulation system for accurate testings

Design & Performance

Model Number		EA / EAH18	EA / EAH37	EA / EAH55
Airflow		Rear-Wall		
Test Space Volume	Cubic Feet/Liters	18 / 510	37 / 1048	55 / 1557
Test Space Dimensions	Width	32" (813mm)	40" (1016mm)	40" (1016mm)
	Depth	32" (813mm)	40" (1016mm)	60" (1524mm)
	Height	32" (813mm)	40" (1016mm)	40" (1016mm)
Exterior Dimensions	Width	53" (1345mm)	58" (1473mm)	58" (1470mm)
	Depth	82" (2085mm)	91" (2311mm)	111" (2820mm)
	Height	86" (2185mm)	103" (2616mm)	103" (2616mm)
Temperature Change Rate [1]	Heating Rate	0.5°C/min	0.5°C/min	0.5°C/min
	Cooling Rate	1°C/min	1°C/min	1°C/min
Temperature Range	Minimum	-70°C (-94°F)		
	Maximum	+180°C (+356°F)		
Humidity Range [2]		10%RH to 98%RH		
Altitude Range		Up to 100,000 ft (30.48 km)		

Performances are based on laboratory conditions at +24°C, 60 Hz, with cooling water inlet temperature and flow rate according to requirements. Performances at 50 Hz may vary.
Please consult with your local Sales Representative if your conditions vary.
Temperature ramp rates are average, not linear rates of change.
[1] Heating and cooling rates between +85°C and -40°C in a temperature only empty chamber; measured at the supply air
[2] Humidity range is only applicable to EAH models. Humidity can only be controlled at site pressure
Custom sizes available

Weiss Envirotronics, Inc. • 3881 N. Greenbrooke Dr. SE • Grand Rapids, MI 49512 USA • (616) 554-5020 • sales@envirotronics.com • www.weiss-na.com
24/7 Service Support Helpline: 1-800-361-6731