

Galaxy®

Integrated Pneumatic Vibration Table & Temperature Chambers

HALT / HASS System

The Weiss Technik Galaxy™ HALT/HASS systems are integrated test chamber/vibration table packages. These chambers are outfitted with a liquid nitrogen (LN2) cooling system in order to provide the rapid thermal change rates required to achieve maximum product stress. The vibration table is a six degree-of-freedom (6DoF), tri-axial, pneumatic vibration table.

Features:

- Conforms to testing specifications GMW3172 & GMW8287
- Exclusive component control feature
- Pneumatically actuated door latches
- Thermal limit door interlocks
- Digital high/low safety limit



Component Control Option

Design & Performance

Model Number		Galaxy 28			Galaxy 36			Galaxy 44		
Type		Basic	Deluxe	Premier	Basic	Deluxe	Premier	Basic	Deluxe	Premier
Test Space Volume	Cubic Feet/Liters	50 / 1400			60 / 1700			84 / 2400		
Test Space Dimensions	Width	38" (965mm)			50" (1295mm)			54" (1372mm)		
	Depth	50" (1295mm)			54" (1371mm)			54" (1372mm)		
	Height	44" (1118mm)			42" (1067mm)			49" (1245mm)		
External Dimensions	Width	71" (1791mm)			83" (2096mm)			86" (2197mm)		
	Depth	64" (1626mm)			67" (1702mm)			67" (1702mm)		
	Height	98" (2496mm)			100" (2546mm)			105" (2667mm)		
Temperature Range	Minimum	-100°C (-148°F)								
	Maximum	+200°C (+392°F)								
Temperature Change Rate ^{1,3}		Up to 70°C/min								
Vibration Levels ^{2,3}		Up to 60gRMS								
Cooling and Heating System		Liquid nitrogen / electric heating elements								
Door Type		Front and Rear Bi-part			Front and Rear Bi-part			Front and Rear Bi-part		
Shaker Table Dimension		28" x 28" (711mm x 711mm)			36" x 36" (914mm x 914mm)			44" x 44" (1118mm x 1118mm)		
Number of Pneumatic Hammers		8			12			16		
Table Maximum Loading	Pounds/Kg	500/228			750/340			1000/453		

Performances are based on laboratory conditions at +24°C, 60 Hz. 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 +125°C and -55°C in an empty chamber; measured 3" above the table

² Measured at z-axis on an empty table. An extended range is offered up to 100grms

³ Temperature and vibration levels limited if export license is not granted, please consult with your local sales representative