

## Non-Nitrogen HALT System

### Get started in combined temperature/vibration testing with a portable HALT system



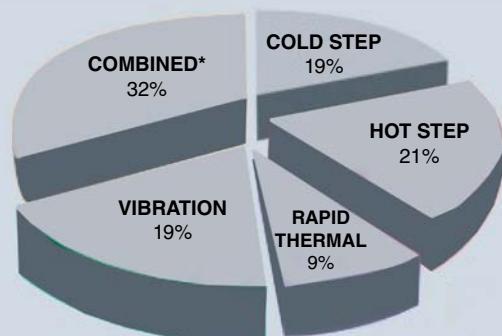
#### Lab-sized HALT without using liquid nitrogen

This entry-level system eliminates the need for liquid nitrogen, making basic HALT testing possible for customers and locations where traditional HALT systems just are not feasible. Whether liquid nitrogen is too difficult or costly to attain and maintain, or just not possible, this is your answer. It only requires electricity and compressed air. Larger table and faster cycling is available, see our EQGNZ27 models.

Included features to make combined environment testing easier. This chamber comes with advanced testing technology, to make the most of temperature and vibration testing.

- Qualmark xLF2 repetitive shock vibration table with control accelerometer.
- Web Controller for remote operation, monitoring, and data collection.
- Product temperature control for faster recovery times.

#### Failures found by stress type



Maximize your test results and speed your development process by combining temperature stress with vibration.

# Non-Nitrogen HALT System Details

## Specification summary

	EQZ4-3NAL1.5
Vibration Table	18" x 18" table with 50 lb. capacity
Acceleration	5 - 60 gRMS
Temperature	-70°C to 180°C
Thermal Ramp Rate	9°C/min. heating 8°C/min. cooling
Interior (W x D x H)	21" x 21" x 16"
Exterior (W x D x H)	53" x 35" x 76.5"
Power Supply	208/230V 1Ø 60Hz, 60 A
Compressed Air	85-100 psig, 37 SCFM

\*Ramp rate and gRMS are measured at the table with an empty chamber.



18"x18" vibration table with Qualmark repetitive shock technology.



Optional PCA fixture kits are easy-to-use mounting hardware for your electronics to the table.

## Included: Web Controller

Our Web Controller is an embedded software/server that allows monitoring and programming your chamber via a web browser. Independent of the chamber's controller, the Web Controller brings modern "Internet of Things" functionality to environmental testing labs. Macros and API functions allow full automation and integration of your test. No need for a USB thumb-drive either, as all data files can be downloaded and uploaded from the web browser (or automatically).

## Options

- Liquid nitrogen injection for boost cooling
- Cable ports in sizes: 2", 4", or 6" (one 4" port standard)
- PCA HALT fixture kits
- QDaq with thermal and vibration input channels
- Product thermocouples
- Adhesive-mount accelerometers

## To learn more about this model:

- [espec.com/na/products/model/eqz4-3nal1\\_5](http://espec.com/na/products/model/eqz4-3nal1_5)

