

LH Series



Pictured: LH-1.5



DESCRIPTION

The LH Series features dynamic test chambers that provide precise control over temperature and humidity conditions. These chambers are designed for minimal maintenance and ideal for steady-state testing.

STANDARD FEATURES

- Exterior cabinet: Cold-rolled steel, heavy-gauge, powder coat finish; color: bone, and textured matte finish
- Interior cabinet: Stainless steel, type 304
- Full opening door with adjustable manual latch
- Multipane 12 in x 12 in viewing window, no heat available
- Interior light with exterior switch on cabinet face and operable on AESONE CONSOLE
- Fully adjustable shelf, one wire-grid stainless steel shelf
- Port configuration: left wall access port and plug with 3 in (76.2 mm) diameter
- Gas inlet compatible with GN2 and Dry Air Purge
- Forced air circulation
- Self contained refrigeration system
- Steam generator humidity system
- Floorstand with casters

Specifications

LONGER-LASTING • SAFER • FASTER • STRONGER



LH SERIES TEMPERATURE -20°C TO +94°C (-4°F TO +201.2°F)

MODEL	OVERALL DIMENSIONS (IN)	INSIDE DIMENSIONS (IN)	WORKING VOLUME (CU FT)
LH-1.5	28 x 31.1 x 34 in	14 x 13 x 13 in	1.37 cu.ft
LH-6	33.5 x 36 x 46.7 in	20 x 18 x 24 in	5 cu.ft.
LH-10	38 x 43.1 x 52.8 in	24 x 24 x 30 in	10 cu.ft

WATER SUPPLY REQUIREMENTS

LH chambers require filtered water to function correctly and prevent maintenance issues. Resistivity, conductivity, and total dissolved solids (TDS) are three benchmarks of water purity. The water should be filtered to a prescribed range*:

Resistivity: 0.05 MΩ * cm to 6 MΩ * cm

Conductivity: 20 uS to 0.167 uS

TDS: 10 ppm to 1 ppm

*For more information, access the [AES Humidity Chamber Water Supply Requirements document](#).

AESONE CONNECT

Monitor your test chambers remotely. Most AES temperature and humidity chambers have exclusive connected technology living inside. AESONE CONNECT is a combination of software and hardware that gives you the ability to view and operate your chamber and view real-time and historical data from anywhere.

OPTIONS

- Shelf Modification
- Custom Porting Sizes
- Custom Window in Door, sizes available: 12x12 in or 20x24 in
- Water Demineralizer Cartridge System
- Self Contained Water Recirculating System
- High Humidity Sensor to extend the humidity range up to 98% RH
- Desiccant Air Dryer to reach conditions as low as 5% RH
- Dry Nitrogen Purge to prevent frost on DUT surfaces at cold temperatures and oxidation of metal surfaces at high temperatures
- Floor Stand with Casters
 - ***offered for only LH1.5**
- Stackable Test Chamber Stand with Casters
 - ***stackability offered for only LH1.5**



AES offers replacement parts, calibration, and preventative maintenance to help you maintain your testing schedule. Ask us about our Advanced Service Advantage Plan (A.S.A.P.).