

HVUL2

Horizontal Vertical Flame Chamber



Atlas' advanced HVUL2 chamber meets the draft free, large volume requirements of UL 94 and IEC 60695 parts 11-10 and 11-20 with unmatched accuracy, repeatability and safety.

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HVUL2 Capabilities and Details

The **Atlas HVUL2 Horizontal Vertical Flame Chamber** is designed for the flammability testing of plastic materials used in consumer electric devices and appliances. The chamber is constructed of stainless steel with a black interior and large sliding window for easy viewing. The **HVUL2** includes a fully adjustable specimen support frame and a precision metered gas burner. Three digital timers with remote control are mounted on the inside back wall of the chamber, allowing for precise and simplified operation.

Standard Features:

- ✦ Burner angle adjustable to 0°, 20°, & 45°
- ✦ Flexible iris hand access ports
- ✦ Remote burner positioning
- ✦ Sliding tempered glass viewing window
- ✦ Removable burner carriage assembly
- ✦ Specimen holders for all 5 burner tests
- ✦ Interior light
- ✦ Remote control timing and reset
- ✦ Electrical gas shut-off solenoid
- ✦ Gas control system
- ✦ Local gas flow meter
- ✦ Digital timers with resolution of 0.1 sec.
- ✦ Local gas pressure regulator & gauge
- ✦ Flame confirmation kit (meets requirements of ASTM D5207)
- ✦ Black interior for easier viewing of flame profile
- ✦ Variable speed exhaust blower with damper
- ✦ Meets or exceeds CE safety requirements

Specifications:

- ✦ Physical dimensions (W x H x D) :
 - Interior: 122cm (48") x 112cm (44") x 60cm (23.5")
 - Exterior: 122cm (48") x 140cm (55") x 61cm (24")
- ✦ Weights: Bench: 163kg (360 lbs) Shipping: 245 kg (540 lbs)
- ✦ Electrical: 120V, 60Hz, 12A or 230V, 50Hz, 6A
- ✦ Testing requires customer-supplied technical grade methane (minimum 99% purity) at 20-40 PSI

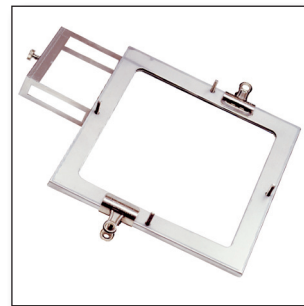
Sample Holders



Cotton



Foam Material



Plaque



Rigid

Advantages:

Conforms to Plastics Industry Test Standards

Meets UL 94 tests (except section 10 Radiant Panel Test) and IEC 60695 Parts 11-10 & 11-20

Easy Setup and Operation

Sliding/tilting burner mount, remote controlled timers, and sliding tempered glass viewing window

Adaptable Specimen Testing

Four easily interchangeable specimen holders

Large Volume, Draft-free Test Chamber

Large chamber prevents oxygen depletion aided by draft-free side air vents

Accurate Gas Control

Precision flowmeter and gas pressure regulator/gauge

Flame Confirmation Kit

Allows accurate verification of test flame height and color

Variable Speed Exhaust Blower System

Clears chamber combustion by-products between tests

Expanded Testing Capabilities

Optional VW-1 Wire Test Kit for testing insulation of wires