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Measure Improve Service

HORIZONTAL VERTICAL FLAME CHAMBER

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.

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

Advantages

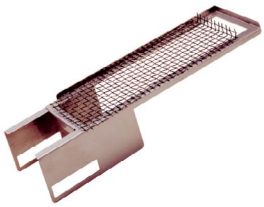
- **Conforms to Plastics Industry Test Standards**
  Meets UL 94 tests (except section 10 Radiant Panel Test) and IEC 60695 Parts 11-10 & 11-20
- **Easy Setup and Operation**
  Sliding/tilting burner mount, remote controlled timers, and sliding tempered glass viewing window
- **Adaptable Specimen Testing**
  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

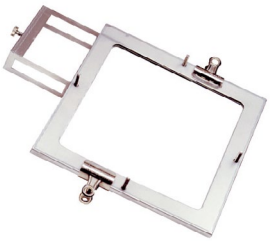
Technical specifications

- 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

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