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UL94 HORIZONTAL/VERTICAL FLAMMABILITY TESTER





MODEL NO.

UL94

Application:

UL94 Horizontal/Vertical Flammability Tester, this tester is used to evaluate compliance the ignition resistance properties of component parts and materials of apparatus and instruments, and suitable for determining the flammability properties such as flammable properties, burning rate, flame spread speed, burning intensity and flammability resistance of products.

Related Standards:

| | |
|------------------|---|
| STANDARDS | Horizontal flammability test: UL HB, IEC 60695-11-10, IEC60707, ISO 1210, GB/T 2408; |
| | 50W vertical flammability test: UL94 V0, V1, V2, IEC60695-11-10, ISO 1210, GB/T 2408; |
| | 500W vertical flammability test: 5VA, 5VB, IEC 60695-11-20, ISO 9770, GB/T 5169.17; |
| | Thin flexible material vertical flammability test: VTM-0, VTM-1, VTM-2, ISO 9773; |
| | Cellular plastic material horizontal flammability test: HF-1, HF-2, HBF, ISO 9772, GB/T 8332. |

Note: this tester can conform to but not limit to the standards above, for more standards conformance, please contact us.

Features:

- Volume of test chamber larger than 0.75m³;
- Large observation window, easy to observe burning state;
- Humanization design, easy to adjust specimen and burner;
- 0° , 20° , 45° angle of burner is adjustable;
- Bunsen burner igniting source, as per ASTM D5025;
- Record test time by timer on control panel;
- Adjust burning gas flow by rotor flow meter ;
- High accuracy pressure regulating valve to provide needed gas pressure;
- Wingtip burner, as per ASTM D4986;
- Equipped with gas suction device to remove waste gas;
- Burner calibration system, as per ASTM D5207.



Key Specification:

- Burner brand Humboldt, USA
- Burner diameter $\Phi 0.9 \pm 0.03\text{mm}$
- Burner angle $0^\circ, 20^\circ, 45^\circ$ adjustable
- Flame height 20~200mm
- Pressure reducer brand MARSH BELLOFRAM, USA
- Chamber volume 0.75m^3
- Dimension $800\text{mm} \times 920\text{mm} \times 1270\text{mm}$
- Weight 100kg

Standard configuration:

| No. | Item | Quantity |
|-----|---------------------------------------|----------|
| 1 | Main machine | 1 set |
| 2 | UL94 HB sample holder with support | 1 pcs |
| 3 | UL94 HB sample holder without support | 1 pcs |
| 4 | UL94 V vertical sample holder | 1 pcs |
| 5 | UL94 5V plate vertical sample holder | 1 pcs |

Optional Accessories:

| No. | Item |
|-----|------|
| 1 | |
| 2 | |

Note: Customer should equip a bottle of methane gas, back fire valve and reducer valve is necessary, output pressure can be adjusted lower than 200psi, diameter of smoke vent is 230mm.