

Technical Specifications

ZY6017-UL94-V

Horizontal and Vertical Flame Test Apparatus

Scope of Application	Evaluation of flammability for plastics and non-metallic materials via 50W horizontal and vertical burning tests to determine flame retardant ratings
Standards Compliance	UL94
Test Chamber Volume	> 0.5 m ³
Burner Angle	Adjustable at 45° and 90°
Bunsen Burner Power	50W
Flame Nozzle Inner Diameter	Φ9.5 ± 0.1 mm
Steam nozzle	Φ0.9 ± 0.03 mm
Nozzle-to-Inlet Distance	100 ± 10 mm
Flame Height	15mm~45mm can be adjusted arbitrarily
Gas Supply	Methane gas with a purity of not less than 98%
Temperature Measurement System	Copper block diameter: Φ5.5±0.01mm Mass 1.76g±0.01g.
Sample fixture	Horizontal Support & Vertical Support
Support Material	Stainless steel
Max. Sample Clamping Thickness	≤13mm
Vertical Adjustment Distance of Sample Holder	≤100mm
Horizontal Adjustment Distance of Sample Holder	≤70mm
Control System	PLC+touch screen program control
Exhaust System	Top-mounted ventilation, exhaust to outside after test