Flammability Tester

Stainless Steel Cabinet for performing flammability tests of plastic materials, foams and rubber according to UL 94, ASTM D 635 and equivalents

Product Characteristics

Instrument for flame resistance test according to UL 94 standard fitted with:

- stainless steel cabinet with tempered glass viewing window and interior Light.
- Bunsen Burner according to ASTM D 5025 standard.
- flow meter for gas flow regulation.
- support for flame angle set (0°, 20°, 45°).
- slide for the regulation of the position of the flame.
- sample holder according to the standards with sample position regulation.
- digital thermometer for the measurement of the temperature of the flame.
- digital Timer with 0.1-second resolution for the measurement of test time.
- exhaust fan to remove products of combustion.

Internal dimensions (W x D x H): 1200 x 600 x 1100 mm

Sample Holders

Specimen support for Horizontal Burning (HB) test conforming to UL 94, ASTM D 635 and equivalent standards.

Specimen support for Horizontal Burning of Cellular Polymeric materials (HBF) test conforming to

Flame Resistance

UL 94, ASTM D 4986 and equivalent standards.
Specimen support for Vertical Burning of Nonrigid Solid Plastics (MVB) test conforming to UL 94 (tests VTM-0, VTM-1 and VTM-2), ASTM D 4804 and equivalent standards.
Specimen support for Vertical Burning of Solid Plastics (VB) test conforming to UL 94 (tests V-0, V-1, V-2, 5VA, 5VB),

ASTM D 3801 and equivalent standards.
Specimen support for Vertical Burning (VB) test conforming to JAR 25 853 B standard.

Temperature Calibration
Calibrators with thermocouples for 20 and 125 mm Test Flame according to ASTM D 5207 standard.

Standards the instrument complies with	UL 94, ASTM D 635, D 3801, D 4804, 5048, 4986, JAR 25 853 B, ISO 9772.3, 9773 end equivalent.
Types of test that can be performed	HBF (Horizontal Burning Foamed Material), HB (Horizontal Burning), MVB (Material Vertical Burning), VB (Vertical Burning)
Test Cabinet	Stainless steel cabinet with tempered glass viewing window and interior Light.
Burner	Conforming to ASTM D 5025 standard. With support for flame angle set (0°, 20°, 45°).
Temperature Control	Digital thermometer for the measurement of the temperature of the flame.
Aspiration of Fumes	Exhaust fan to remove products of combustion.
Flow Regulation	Flow meter for gas flow regulation.
Timer	Digital Timer with 0.1 sec. Resolution. The timer permits to set the Flame exposition time. At the end of the count down for flame exposition, the timer permits to count flame extinction time.
Slide for the regulation of the position	The Slide is controlled by an external handle that permits to move the Burner inside the chamber.
Calibration of test Flame	Calibrators with thermocouples for 20 and 125 mm Test Flame according to ASTM D 5207 standard.
Internal dimension	(W x D x H) 1200 x 600 x 1100 mm
Weight	85 kg
Power	220 VAC ±10%,50 Hz ±3,4 A,single phase, 40 W - Other on request