FLAMMABILITY CHECK

STAINLESS STEEL CABINET FOR PERFORMING FLAMMABILITY TESTS OF PLASTIC MATERIALS, FOAMS AND RUBBER

STANDARDS: ASTM D635; ASTM D3801; ASTM D4804; ASTM D4986; ASTM D5048; ISO 1210; ISO 8030; ISO 9772; ISO 9773; UL 94;

NOTE: COMPLIANCE WITH SOME STANDARDS MAY REQUIRE OPTIONAL ACCESORIES OR SETUPS.

gibitre ®
INSTRUMENTS

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 according to ASTM D5207 for measuring the flame temperature integrated in the cabin
• Digital Timer with 0.1 second resolution for the measurement of test time

• Exhaust fan to remove combustion fumes
Available Sample Holders for
• Horizontal Burning (HB)
• Horizontal Burning of Cellular Polymeric materials (HBF)
• Vertical Burning of Non-rigid Solid Plastics (MVB)
• Vertical Burning of Solid Plastics (VB)

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 internal light.
Burner: Conforming to ASTM D 5025 standard. With support for flame angle set (0°, 20°, 45°).
Temperature Control: Internal Digital thermometer in conformity with ASTM D

5207 standard
Aspiration of Fumes: Exhaust fan to remove fumes at the end of the test
Gas flow Regulation (Methane): Integrated Flow meter
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.