



FLAMMABILITY CHECK

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

STANDARDS: ASTM D378; ASTM D635; ASTM D3801; ASTM D4804; ASTM D4986; ASTM D5048; IEC 60695-II-10; ISO 340; ISO 1210; ISO 8030; ISO 9772; ISO 9773; UL 94; VDE VDE 0471-II-II;

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



Stainless steel cabinet for flame resistance test according to UL 94 standard equipped with:

- Bunsen burner according to ASTM D 5025 standard
- Burner support with angle adjustment (0°, 20°, 45°)
- Flow meter for gas flow adjustment
- Pneumatically actuated slide for horizontal movement of the burner
- Pneumatically operated slide for vertical adjust-

ment of the distance between the flame and the specimen during the test

- Digital thermometer with copper dart for measuring flame temperature integrated in the cabin
- Digital timer with 0.1 second resolution for measuring test time
- Inspection window with tempered glass and interior LED light
- Exhaust fan to remove combustion fumes

Sample holders available for tests of:

- Flame resistance with horizontal specimen of solid products (HB)
- Flame resistance with horizontal specimen of cellular polymeric materials (HBF)
- Flame resistance with vertical specimen of non-rigid solid products (MVB)
- Flame resistance with vertical specimen of solid products (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 with a volume of 0.5 m3 with inspection window and light for internal illumination.

Burner: Conforming to ASTM D5025 and CEI IEC 60695-11-4 standards. 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 displacement of the Burner during the test: The slide, controlled by a pneumatic cylinder, allows the burner to be moved from outside the chamber via the control knob.

Slide for the regulation of the vertical position of the sample: The slide, which is controlled by a pneumatic cylinder, allows the distance between the specimen and the flame to be controlled during the execution of the test using the adjustment knob.

