

Vertical Flame Test Chamber



Application

Applies to check the section area more than 0.5mm² of single insulation wire and cable vertical flame propagation testing.

Standards

According to IEC60332-1-1:2004, IEC60332-1-2:2004, IEC60332-1-3:2004, EN50265-1, EN50265-2-1

Functional characteristics

The vertical burning test on single wire and cable is the provisions of the size of the lamp (Bunsen burner and specific gas source (propane), according to the certain flame height and certain Shi flame angle of a vertical state of the sample timing Shi burning, to test the product to kindle, combustion duration and combustion length to assess the flammability and fire risk.

Technical parameters

Burning chamber	W300xH1200xD450mm
Gas	Use high purity propane gas or liquefied petroleum gas (provide by user-self)
Specimen length	600±25mm
Area of specimen	the section area more than 0.5mm ²
Testing temperature	This device is located in a stuffiness room and the temperature keeping the 23±10℃ for testing
Burning time	continuously setting between 0.1-999.9S, during the setting time flame could continuously burning the specimen
Control function	Switch can choose to be manual or automatically according to the actual needed
Gas flow range	0.1-1L/min
Area flow range	0.1-1m ³ /h
Burning blowtorch	1KW for standards power, 50~60mm for height of blue luminous cone, 170~190mm for total height of flame, according to GB/T5169.14-2007, IEC60695-11-2:2003 standard requires.