

ASTM D 6413

ASTM D6413 | FAR 25.825 Vertical



SCOPE

The test method is used to measure the vertical flame resistance of textiles. As part of the flame resistance test, the afterburning and afterglow behavior is evaluated.

PRINCIPLE

A specimen clamped in a U-shaped holding frame is exposed vertically to a defined flame for a defined time and thereby ignited. During the test, it is determined whether the specimen burns and for how long, and how large the burned area is.

FEATURES

The duration of flame exposure of the test specimen is controlled by an electronic timer in conjunction with a solenoid valve.

The combustion chamber is made of stainless steel and is therefore resistant to aggressive combustion products and easy to clean.

COMPONENTS

Combustion chamber with burner
Timer unit
Pressure reducer 500 mbar
Fine control valve and solenoid valve

DIMENSIONS

Combustion chamber (W x d x h): 315 x 330 x 825 mm*
Weight: approx. 30 kg*
Timer (W x d x h): 257 x 271 x 106 mm*
Installation area (W x d): approx. 700 x 400 mm*
Burner travel: 100 mm

SUPPLIES

Electric current 230 VAC
Methane, > 99 % purity, inlet pressure 500 mbar, hose connection 6 mm

GAS VALVES AND CONTROLLERS

Fine control valve, mechanical
Solenoid valve, electrical
Gas pressure gage mechanical

TO BE PROVIDED BY THE CUSTOMER

Flue gas exhaust system

OPTIONAL ACCESSORIES

Scale 300 mm
Stopwatch
Set of weights
Hooks to attach weights

* Our products are constantly being further developed. For this reason, the actual dimensions may vary.