

# HERMOMETRY

## Combustion Box ASTM D 6413

ASTM D6413 | FAR 25.825 Vertical



### SCOPE

The test method is used to measure the vertical flame resistance of textiles. As a part of the measure of flame resistance, afterflame and afterglow characteristics are evaluated.

### PRINCIPLE

A specimen clamped in a U-shaped holding frame is exposed vertically to a defined flame for a defined time and thus ignited. The test determines whether and how long the specimen burns and the length of the burnt surface.

### FEATURES

The duration of the flame exposure to the specimen is controlled by an electronic timer coupled with a solenoid valve.

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

### SCOPE OF DELIVERY

Combustion box with burner  
Timer unit  
Specimen holder  
Pressure reducer 500 mbar, fine regulation valves and solenoid valve

### DIMENSIONS

Combustion box (W x d x h): 315 x 330 x 825 mm\*  
Weight: Approx. 30 kg\*  
Timer unit (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

### SPECIMEN

Specimen orientation: Vertical  
Specimen size: 75 x 305 mm

### SUPPLIES

Electrical current 230 VAC  
Methane, > 98 % purity, inlet pressure 500 mbar, hose connection 6 mm

### GAS VALVES AND CONTROL

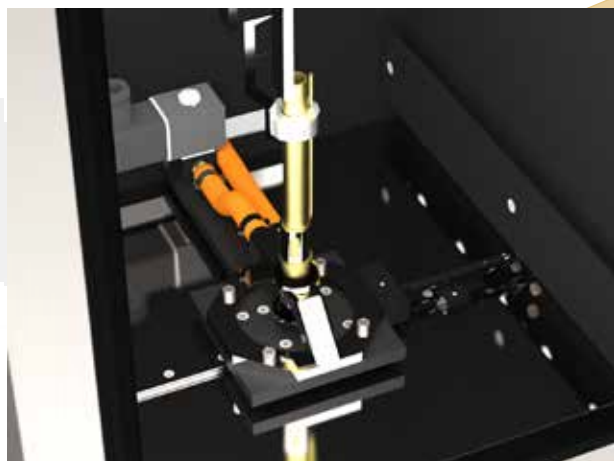
Fine regulation valves, mechanical  
Solenoid valve, electrical  
Gas pressure gage, mechanical

### TO BE PROVIDED BY THE CUSTOMER

Fume cupboard or exhaust hood for flue gas extraction

### OPTIONAL ACCESSORY

Scale 300 mm  
Stop watch  
Set of weights  
Hooks for weight attachment



\* Our products are constantly evolving. For this reason, the actual dimensions may differ.

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