

THERMOMETRY

SPREAD OF FLAME

ISO 5658-2



DIMENSIONS

Width x Depth x Height: 1807 x 790 x 1503 mm*

Weight: approx 220 kg*

SUPPLIES

Propane gas, purity > 98 %, inlet pressure 1 bar

Compressed air, inlet pressure 1 bar

Water

Electric voltage 230 VAC 50/60 Hz, 150 VA

TO BE PROVIDED BY THE CUSTOMER

Fume exhaust according to ISO 5658-2, Capacity > 0,5 m³/s

Waste water connection (sink adequate)

2 calibrated heat flux meters Type Schmidt-Boelter (0 -50 kW/m²) as reference.

SPATIAL REQUIREMENTS

Room size W x D x H: 3800 x 2800 x 2500

(min. room height) mm

Room volume > 45 m³

Floor and walls fireproof

OPTIONAL ACCESSORIES

PC with monitor, keyboard and mouse

Additional specimen holders

Additional heat flux meters, upon request calibrated



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

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SCOPE

Conducting fire tests simulating the lateral spread of flames along specimens exposed to the heat of external fire. Construction products, vehicle parts (ships, trains, motor vehicles) as well as wall coverings and claddings are suitable for testing.

PRINCIPLE

A vertically oriented, conditioned specimen is exposed to a gas powered radiant heater. This is aligned at an angle of 15 ° parallel to the specimen, so that the heat radiation hits the sample with a different intensity over the surface. Where the largest heat input is, the gases dissolving from the specimen surface are ignited by means of a pilot burner. It is determined how fast and how far the flame spreads sideways over the specimen, and when it goes out.

FEATURES

Electronic gas controls

Flame protection devices

Dipstick

COMPONENTS

Test frame with radiant heater, pilot flame burner and pyrometer

4 specimen holders, calibration board and dummy board

2 backing boards

Control cabinet

Software MCC DAQ & Spread of Flame ISO 5658-2

(Windows 7/8/10)