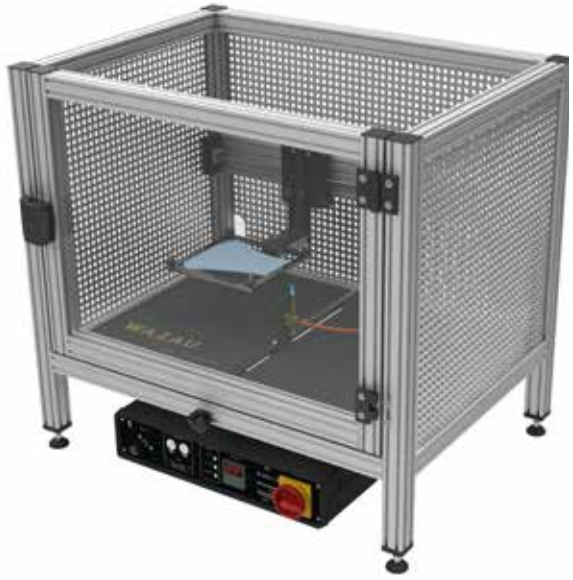
RPT – DIN EN 13274-4 (3)

EN 13274-4, Method 3



SCOPE

The device is used to determine the flame exposure of respiratory protective devices, such as respirators. It determines whether the specimen begins to burn or whether other hazards to the user can occur.

PRINCIPLE

A specimen is placed in a specimen holder. The specimen is then drawn over an approx. 800 °C hot propane gas burner at a speed of 60±5 mm/s. This is done in different burner positions. The burner can be moved by a manual spindle drive in depth for this purpose. The specimen is moved with an electrical spindle drive on a linear guide.

FEATURES

The test procedure is automated. After clamping the specimen, the specimen is moved over the burner at the push of a button.
The specimen holder is moved by means of an electric linear drive.
The device is enclosed on 5 sides and can be equipped with a hood including an exhaust air connection.

SCOPE OF DELIVERY

Test device with specimen holder, electrical linear drive and thermocouple
Control unit with solenoid valve temperature display
Operating manual, English

DIMENSIONS

Approx. 800 x 700 (1120 with lid x 580 mm (W x h x d)*
Weight approx. 50 kg*

SUPPLIES

Electrical voltage 100-230 VAC, 150 VA
Propane gas, purity > 95%

GAS CONTROL

Fine regulation valve mechanical, solenoid valve

SENSORS

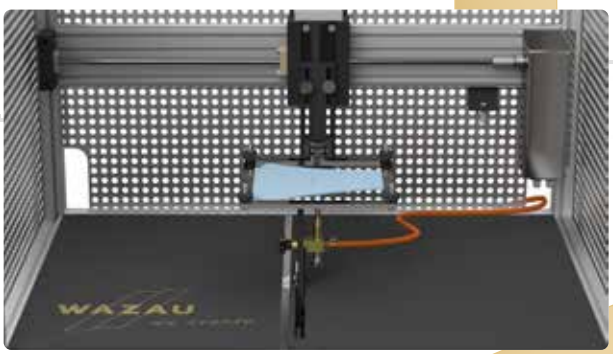
Thermocouple Type K (flame temperature)
Position switch linear drive

TRAVEL SPEED SPECIMEN

60 ± 5 m/s

TO BE PROVIDED BY THE CUSTOMER

Exhaust air extraction or fume cupboard



OPTIONAL ACCESSORY

Hood with exhaust air connection DN 150

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

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