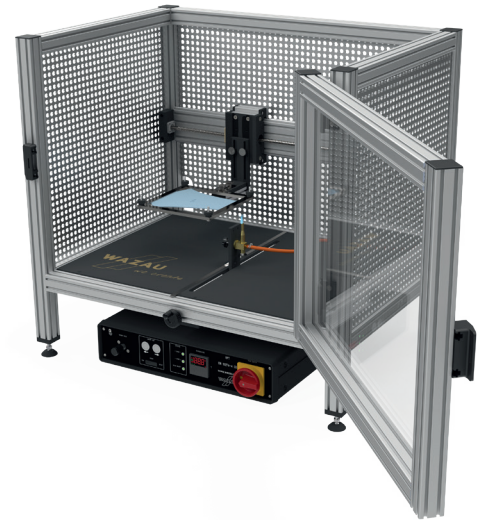


THERMOMETRY

RPT – DIN EN 13274-4 EN 13274-4, Method 3



SCOPE

The device is used to determine the effect of flames on respiratory protective equipment such as respirators. It is tested whether the specimen starts to burn or whether other hazards may occur for the user.

PRINCIPLE

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

FEATURES

The testing procedure is automated. After clamping the specimen, it is moved over the burner at the push of a button.

The specimen holder is moved by means of an electric linear drive.

The unit is enclosed on 5 sides and can optionally be fitted with a hood with a DN 150 exhaust flange.

COMPONENTS

Test device with specimen holder, burner with electrical linear drive and thermocouple

Control unit with solenoid valve and temperature display
Manual

DIMENSIONS

approx. 800 x 700 (1120 with hood) x 580 mm (w x h x d)*
Weight: approx. 50 kg*

SUPPLIES

Electric voltage 100-230 VAC, 150 VA

Propane, purity > 95%

GAS CONTROL

Fine control valve mechanical, solenoid valve

SENSORS

Thermocouple type K (flame temperature)

Proximity switch linear drive

TRAVERSE SPEED SPECIMEN

60 ± 5 mm/s

TO BE PROVIDED BY THE CUSTOMER

Exhaust air system or fume hood

OPTIONAL ACCESSORY

Hood with exhaust flange DN 150

Specimen holder according to customer specification

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