

Filter Assessment Station SAFTE

(Model: PARAFFIN-RESPIRABILITY 0.2)

Equipment for quality control and verification of respiratory protective device (PPE)

Based on the EU Standards: EN 13274-7, EN 13274-3, EN 149 and EN 143.

COSINGENIERÍA

The main function of this device is to perform particle filter penetration test during the exposure to paraffin oil aerosol and breathing resistance test of filters in respiratory protective devices according to the European Standards; EN 13274-7, EN 13274-3, EN 149 and EN 143.

System Description

Main Components:

- Paraffin oil aerosol generator.
- Paraffin oil aerosol detection photometer.
- Breathing resistance sensor.
- Test chamber with a system of rapid change of filtering material.
- Display screen for the test control.

Main Functions:

- Filtering material penetration test.
- Exposure test.
- Storage test.
- Breathing resistance test.
- Quality control of face mask filter; foldable autofiltering mask and filter mediums.
- Online data acquisition and exporting results to archives .xlsx.
- Online graphic visualization of the penetration of the filter medium.

Filter Assessment Station SAFTE Paraffin-Respirability 0.2 was developed as a necessary instrument for laboratories and internal control departments of those production lines that test face masks as personal protection equipment.

The device's operative integrates different components to finally bring about an equipment that can automatically generate reports of various tests.

The equipment interface is clear and simple, it provides a screen for the establishment of the required conditions of every stage of the breathing resistance and the paraffin oil aerosol penetration tests that the equipment carries out.

The "automatization" of the adjustment of the analyzed filter medium inside the test chamber particularly allows the rapid change of the filter medium and simplifies its mechanism.

The communication among the different components helps visualizing the results at real time. The system operates during a brief time owing to the Equipment comprehensible settings without the requirement of heavy installations.

COSIGEIN S.L.

C/ Astrónoma Cecilia Payne M 4.2 P.T. Rabanales 21 14014 (Córdoba)

Teléfono: 957 326 155 Fax.: 957 348 146

www.csingenieria.es

Wide Range of Evaluation of Filtering Mediums:

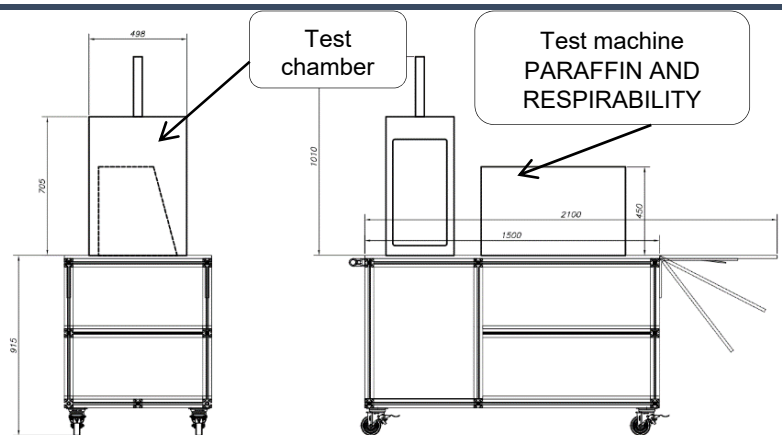
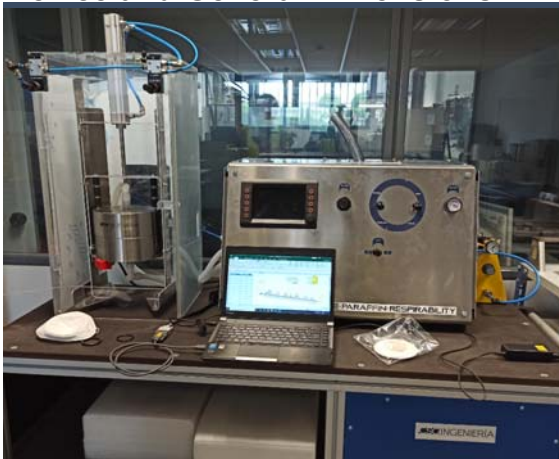
- Auto filtering face masks: FFP1 – FFP2 – FFP3
- Auto filtering face masks: P1 – P2 – P3
- Non-woven fabric (NWF) approved for the fabrication of auto filtering face masks.

SPECIFICATIONS

DESING ACCORDING TO:

- Mains voltage: 230 VAC
- Working pressure: 2,5 bar.
- Flow rate: 95 l/min
- Paraffin CAS number: 8042-47-5
- 2006/42/EC (Directive on machinery)
- EN 13274-7 and EN 13274-3
- EN 143
- EN 149

Device and General Dimensions:



Contact us:

Address: C/Astrónoma Cecilia Payne m4.2 (PCT Rabanales 21) 14014 Córdoba

Telephone numbers: (+34) 957 326 155 (+34) 653 857 507 Fax (+34) 957 348 146

Website: www.csqingenieria.es

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