

Total inward leakage Assessment Station SAFTE

(Model: FTI 0.1)

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

Based on the EU Standards: EN 13274-1, EN 149 and EN 143.

The main function of this device is to carry on the total inward leakage test (TIL), with Sodium Chloride aerosol, of particulate filters intended for respiratory protective devices, according to the European standards: EN 13274-1, EN 149 and EN 143.

System General Description

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- Sodium chloride aerosol generator.
- Flame emission spectroscopy.
- Cabin with treadmill.
- Display screen for the test control.
- Simple establishment of test parameters.

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- Total inward leakage test.
- Quality control of mask filters, foldable auto filtering mask and filter mediums.
- Online data acquisition and exporting results to archives .xlsx.
- Online graphic visualization of the sodium chloride penetration for respiratory devices.

Total inward leakage Assessment Station FTI 0.1 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 NaCl aerosol penetration tests that the equipment carries out.

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.

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Wide Range of Evaluation of Filtering Mediums:

- Auto filtering face masks: FFP1 – FFP2 – FFP3
- Auto filtering face masks: P1 – P2 – P3

SPECIFICATIONS:

DESING ACCORDING TO:

- Mains voltage: 230 VAC
- Working pressure: 7 - 1 bar.
- Flow rate: 1 - 50 l/min
- 2006/42/EC (Directive on machinery)
- EN 13274-1
- EN 143
- EN 149

Device and General Dimensions:



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