

The main function of this equipment is to test the resistance of a protective clothing material to the penetration of a liquid medium under hydrostatic pressure, in accordance with the Standards ISO 13994, ISO 16603 e ISO 16604.

System General Description

| Main Components | Main Functions |
|---|---|
| Automaton | Programmable device in charge of controlling the pressure sequences and times to which the tissue to be tested is subjected. It consists of a screen with buttons and an encoder through which the user can select the standard to apply. |
| Pressure inlet | Inlet pressure to the system. A value not higher than 2 bar is recommended. |
| Pressure regulator | This device regulates the pressure applied to the tissue based on a reference signal sent by the automaton. |
| Pressure reducer | Reduce the pressure to a certain value. Whenever the equipment is installed for the first time, it must be adjusted to a pressure of 2 bar (higher pressure could damage the pressure regulator). |
| Exhaust solenoid valve | This valve opens automatically to equalize the system to atmospheric pressure. |
| Pressure gauge | It allows to obtain a visual measurement of the pressure sent to the tissue. |
| Testing protective clothing materials cell | Part of the equipment where the clothing material to be tested is located. |

The **SAFTE PERM 0.2**, device has been developed as a necessary instrument for the **the resistance of a protective clothing material to the penetration of a liquid medium under hydrostatic pressure, in accordance with the Standards ISO 13994, ISO 16603 e ISO 16604**, for those laboratories and internal production control departments in charge of testing protective clothing material, in accordance with the standard of the European Union regulations.

Its operation has been simplified to the maximum to allow rapid repetition of tests without loss of precision.

The equipment consists of a programmable device in charge of automating times and pressure changes, and a metallic structure with a test cell in which the tissue to be evaluated is located.

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SPECIFICATIONS:

DESIGN IN ACCORDANCE WITH THE FOLLOWING REGULATIONS:

- Supply voltage: 230 VAC
- Working pressure: 2 bar.
- 2006/42/EC (Machinery Directive)
- Standards ISO 13994, ISO 16603 e ISO 16604

Equipo y Dimensiones generales:



Width: 420 mm

Length: 460 mm

Length₁: 460 mm
(without Sampling Cell)

Length₂: 860 mm
(with Sampling Cell)

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