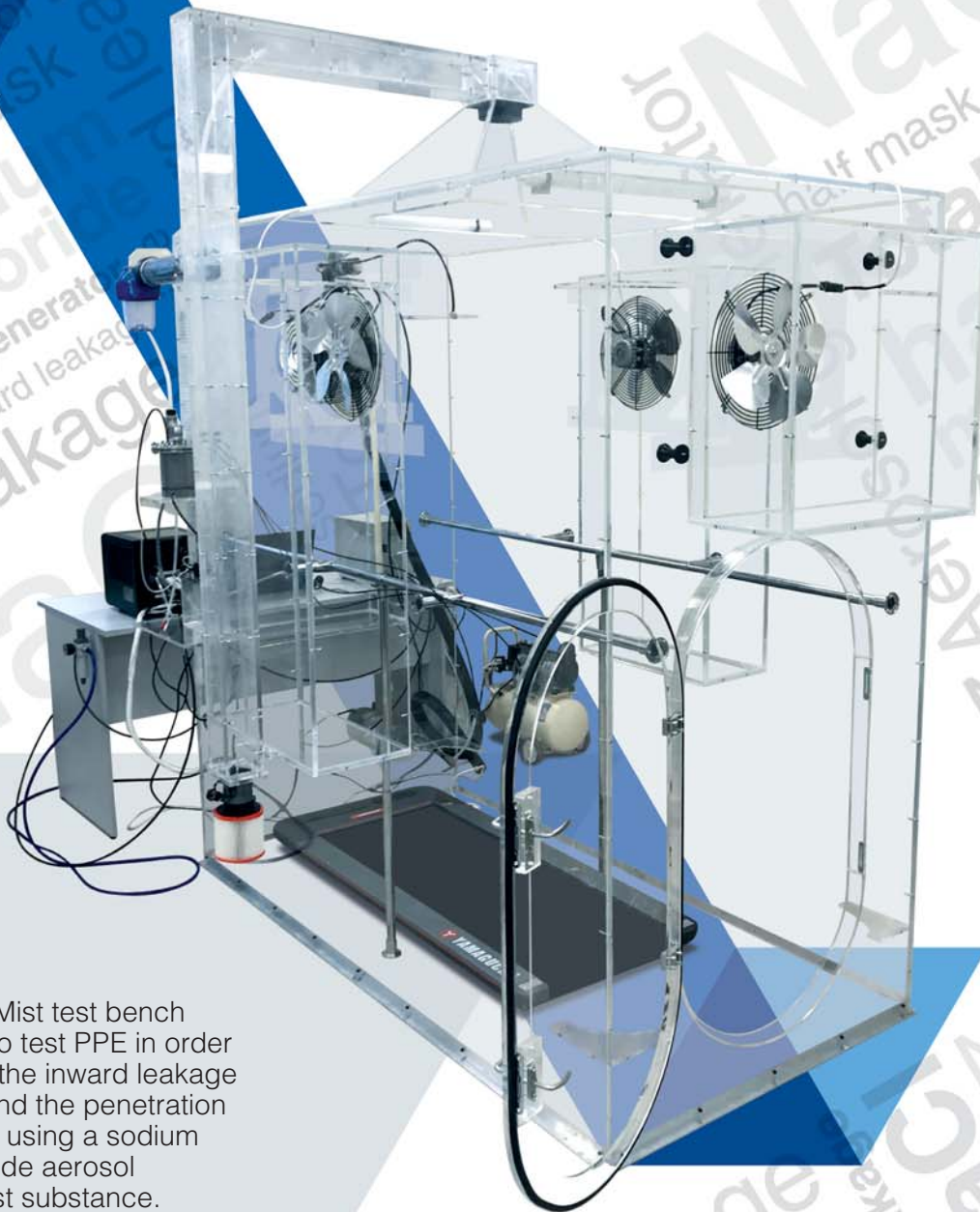




## TEST BENCH SALT MIST



The Salt Mist test bench is designed to test PPE in order to determine the inward leakage coefficient and the penetration coefficient using a sodium chloride aerosol as a test substance.

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## AUTOMATION

▶ Automatic NaCl concentration control thanks to a unique salt generator of in-house development.

▶ Automatic air flow control in the chamber, adjustment of wind speed and direction, using built-in fan systems.

▶ Communication with the test operator through a system of speakers built into the treadmill.

▶ Recording of all required test parameters in the database for their subsequent analysis Automatic.

Linear airflow speed through the chamber, close to the test operator's head when he is standing in the middle of the treadmill with the additional fans switched off

- from 0,12 to 0,2 m/s

Additional air flow speed (if necessary) near the test operator's head

- 2 m/s

Horizontal treadmill tape speed

- from 0 to 6 km/h

Air flow rate provided by the sampling pump

- from 0,3 to 3,0 dm<sup>3</sup>/min



Continuous measurement of NaCl concentration with a laser photometer

Concentration\* of sodium chloride in the air inside the test chamber

- from 4 to 12 mg/m<sup>3</sup>

NaCl particle size distribution range

- from 0,02 µm to 2,00 µm

Mass median diameter of NaCl particles

- 0.6 µm

\* Deviation in volume of NaCl concentration not exceeding 10%



Salt Mist test bench meets the requirements of the following standards:

GOST EN 13274-1-2016; GOST EN 1827-2012; GOST EN 12942-2012; GOST R EH 14594-2011; GOST 12.4.234-2012; EN 12941:1998; GOST 12.4.244-2013; GOST R 12.4.273-2012; GOST 12.4.293-2015 EN 136:1998; GOST 12.4.294-2015; EN 149:2001+A1:2009; GOST 12.4.300-2015; EN 405:2001+A1:2009.

## FIELDS OF APPLICATION



Research institutes and universities



Developers and manufactures of the PPE



Certification centers and laboratories