



TESTING SOLUTIONS

BAVAPOR

B_22186



The metabolic vapor generator B_22186 is designed to simulate the presence of a variable number of people inside a passenger compartment.

It consists essentially of a:

- Vapor generator;
- Stabilized power supply;
- Control panel.

The generator is able, in its standard version, to simulate the generation of metabolic vapor up to a maximum number of 9 people.

System can record data and diagram of the set test.

TECHNICAL DATA:

- Fun flow: $4,2 \div 6 \text{ m}^3/\text{h}$,
prevalence 0,5 mbar;
- Heat loss $t = 100^\circ \text{C}$
($t_{\text{room}} - 3^\circ \text{C}$): $< 75\text{W}$;
- Produced vapor/hour
($t_{\text{room}} - 3^\circ \text{C}$): $70 \pm 5 \text{ g/h} * N$ ($1 \leq N \leq 9$)
 N = number of simulated people;
- Full power: 1,5 kW;

INSTRUMENTATION:

- Temperature transmitters $-50 \div 350^\circ \text{C}$, PT100, cl.B
- PLC Siemens®:

SAFETY DEVICES:

- Water level control in the tank
- Liquid temperature control
- Emergency button

SUPPLIES:

- Electric: 230 Vac-50 Hz-2 kW
- Water: 3 l min, demineralized;
5 l tank capacity

DIMENSIONS AND WEIGHT:

- L, p, h:
Chamber: 280 x 280 x 560 mm;
Power supply: rack 19" 3U;
Control panel: rack 19" 9U.
- Raw weight: 12 + 18 + 10 kg

COLOR:

- Standard Sandblasted ss

NOTE:

- Customisation on demand



Bavapor is equipped with an acquisition and control system equipped with an HMI display.

PLC software allows you to parameterize and control every aspect of the test to be carried out.

It is possible to export, in the most common formats, the test report and the graphic transposition of each single test.

The test bench meets the requirements of Industry 4.0, (equipped with an Wi-Fi card, it allows connection to the company network / internet) and allows you to:

- Interface with external software in order to obtain information on the status of the bench and carry out control and management operations;
- Take advantage of the remote assistance service by BAVA technicians;
- Remotely control the generator, compatibly with the permissions and authorizations of the corporate network.

GUI can be personalized in multiple languages.

