

Headspace Gas Analysis

Laboratory Headspace Gas Analyzer



The equipment allows a fully automated 100% measurement of container headspace levels of multiple gases such as oxygen, moisture and carbon dioxide. Absolute pressure can be also monitored.

Headspace Gas Analysis HSA technology allows to perform a quick and precise investigation of appropriate headspace conditions by:

- 1.determining the nitrogen purging efficiency during the primary packaging and filling
- 2.ensuring container closure integrity over time

It is applicable to sterile products that are packaged under modified atmospheric conditions or under a certain level of vacuum such as lyophilized drugs.

HSA LAB

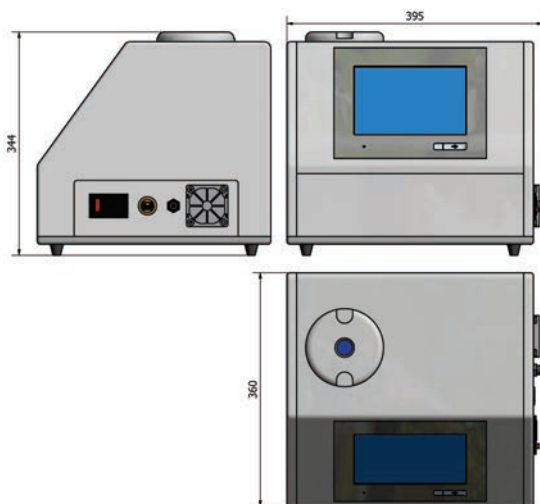


Key Benefits

- Robust best-in-class proprietary technology
- Non-destructive and non-invasive inspection of liquid, lyo and powder filled packages
- Quick inspection time (< 2 sec)
- Lower standard deviation can be achieved by increasing inspection time
- Applicable to vials, ampoules, cartridges syringes, bottles of different headspace composition
- Suitable for different glass colors (amber / clear) and types (tubular / molded)

Relevant Features

- Applicable for product/package R&D, clinical trials and commercial packaging operations
- Motorized vertical lift for container loading and inspection handling
- Wide range of container sizes: diameter [8-52]mm, height up to 110mm
- High Quality Components: all parts used in HSA Lab pass strict quality control tests, ensuring a long lifespan, even with 24/7 use
- Intuitive and designed for super simple operation
- Extremely Compact design with superior clean-ability & scratch resistance



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