



The new MAS-100 Atmos[®] microbial compressed gas sampler makes it simple to sample

THE VERSATILE new MAS-100 Atmos[®] compressed gas sampler, which tests gases for microbial contamination, offers unparalleled measurement accuracy, data security and ease of use. Designed for microbiological quality control in the pharmaceutical, cosmetics, medical devices and food industries, this new addition to the well-known line of MAS-100[®] air samplers features:

- Ease of use, which minimises handling errors:
 - Continuous automated flow rate regulation at current pressure for each pre-defined gas type
 - Easy lid opening and closing
- Various configuration modes to suit different use cases and workflows:
 - Freely accessible configuration
 - 21 CFR part 11-compliant setup, including an easy individual hardware key login and audit trail
 - Integration in fully computerised workflows with a unique result barcode
- Increased health safety by optional tube to channel gas away after sampling.

The instrument detects microorganisms by gentle but direct impaction onto agar

(Anderson impaction principle), which is performed under pressure to prevent any harm to microorganisms by fast dynamic decompression. The impaction speed at a default flow rate of 100 LPM is identical to all other MAS-100[®] air samplers and provides a nominal d50 of 1.1µm.

Intelligent design to minimise handling errors

Automatic pressure monitoring and a mass flow sensor ensure secure, accurate sampling. Four gas types (Ar, N₂, compressed air and CO₂) are pre-programmed and easily accessible. The lid is easy to lock in, even with only one hand, so it is simple to sample under pressure. However, the instrument is also designed to operate under low pressures. Additionally, there is a touch screen for easy, intuitive handling. The instrument's new level of automation minimises the risk of handling errors and makes compressed gas sampling so much easier.

Convenience and safety in your daily work routines

The portable, battery-operated instrument is easy to carry. Connection to the gas supply is simple and secure, and can bridge distances of up to two metres. The gas outlet can be

connected to the room's exhaust pipe to prevent intoxication and contamination of the sampling environment by the gas being sampled.

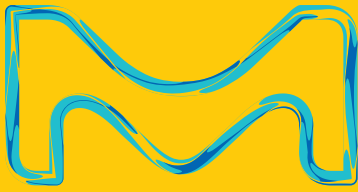
Compliance and data integrity for your challenges

The MAS-100 Atmos[®] compressed gas sampler is designed according to GAMP 5 requirements for precise and accurate sampling of compressed gases in GMP-regulated environments and cleanrooms. The software functions, including easy individual login via token and PIN and tamper-proofed audit trail exports, fulfill all requirements for data integrity according to 21 CFR Part 11. Furthermore, thanks to the new result, barcode tracking is made easy for fully computerised EM workflows using EM software. ☒

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Find out more about the MAS-100 Atmos[®] microbial gas sampler by downloading the brochure or contacting a product specialist:

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INTRODUCING THE NEW & VERSATILE

MAS-100 Atmos[®] microbial compressed gas sampler

One step ahead for accuracy,
data security, and ease of use.

Perform microbiological quality control with greater confidence. Meet the latest addition of MAS-100[®] air samplers, designed for use in the pharmaceutical, cosmetics, medical devices, and food industries.

- Ease of use that minimizes handling errors
 - Automated flow rate regulation for pre-defined gas types (air, N₂, Ar, CO₂)
 - Automated decompression
 - Convenient lid handling
- Support for different use cases and workflows, from non-digital to fully-computerized including 21 CFR Part 11



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MAS-100 Atmos[®] manufactured by MBV AG, Switzerland, www.mbv.ch, MBV. Air. Nothing else.

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