

MICROLAB LABORATORY OVENS

Every Airflow Microlab Laboratory Oven is equipped with top of the line technology making it possible to precisely simulate biological, chemical and physical environmental conditions. The wide range of products from the leading specialist addresses the various requirements in science and industry. It comprises temperature and climate chamber models, material testing and drying chambers as well as environmental simulation chambers. You'll find the ideal unit for every application here.

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ENVIRONMENTAL SIMULATION CHAMBERS ▶

Environmental simulation chambers ensure perfect test room conditions thanks to the responsive steam humidification system and the patented APT.line™ Airflow design.

VACUUM DRYING OVENS ▶

Vacuum drying ovens from Airflow dry samples completely without residues, scaling or oxidation, everything in overdrive.

MATERIALS TEST CHAMBER ▶

A material test chamber from Airflow specializes in demanding heating profiles and shows its unique advantages all the more when handling complex tasks.

CONSTANT CLIMATE CHAMBERS ▶

A constant climate chamber from Airflow in any implementation is a one-stop solution to easily and reliably manage your stability test or stress test.

SAFETY DRYING OVENS ▶

Safety drying ovens from Airflow reliably dry up to 350°C and ensure the perfect test result of your solvent-based paints and coating materials.

HEATING CHAMBERS ▶

The wide temperature range of the Airflow heating ovens and heating chambers of 5°C above ambient temperature to 300°C allows short heating up times and large power reserves.

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ENVIRONMENTAL SIMULATION CHAMBERS

CHAMBER FOR CYCLICAL TEMPERATURE

The ideal simulation chamber for all heat and cold testing in the traditional temperature range between -40°C and 180°C .

CHAMBER FOR COMPLEX ALTERNATING CLIMATE PROFILES

Well-suited for testing based on current test standards in the temperature range of -40°C to 180°C and 10% to 98% RH.

CHAMBER FOR COMPLEX TEMPERATURE PROFILES

This simulation chamber meets all requirements for extreme testing between -70°C and 180°C .

CHAMBER FOR LOW TEMPERATURE ALTERNATING CLIMATE PROFILES

Suitable for low temperature alternating climate profiles from -70°C to 180°C with humidity.



OVERVIEW

Environmental simulation chambers from Airflow ensure perfect test room conditions thanks to the responsive steam humidification system and the patented APT.line™ Airflow design. This guarantees exact measurements at any point even when the chamber is fully loaded.

With a high level of standard equipment, the environmental simulation chambers from Airflow are perfectly suited for material testing from -70°C to 180°C . They are absolutely reliable and on the highest technical level.

At Airflow, you always get the perfect environmental simulation chamber, be it for cyclical temperature testing or for complex alternating climate profiles and temperature profiles.

Areas of application:

- Automotive
- Plastics Industry
- Electronics / Semiconductor Industry
- Air / Space Travel, Defence
- Metal Industry / Engineering

Advantages:

- State-of-the-Art Reliability
- User-Friendly Chamber Interior
- Comprehensive Standard Equipment



CONSTANT CLIMATE CHAMBERS

CHAMBER WITH HUMIDITY

The superior constant climate chamber with humidity for reliable stability testing.

CHAMBER WITH ICH-COMPLIANT ILLUMINATION

The Airflow constant climate chamber with ICH-compliant illumination QIB makes it the expert for reliable photostability testing.

CHAMBER WITH ADDITIONAL PHOTOMETRY

The constant climate chamber with Light Quantum Control is ideal for advanced photostability testing with precision photometry and regulation.

CHAMBER FOR STRESS TESTING

The constant climate chamber with a wide temperature and humidity range - the unique specialist for stress testing.



OVERVIEW

Specialists for temperature/humidity/light simulation. A constant climate chamber from Airflow in any implementation is a one-stop solution to easily and reliably manage your stability test or stress test.

The Airflow constant climate chambers of the KBF P series are ideal for norm compliance work according to ICH guidelines and work independent of water supply. Their special feature: climate and light tests can be performed at the same time in one chamber.

With the KMF, Airflow constant climate chambers offers you a broad temperature and humidity range - created for demanding stress testing.

Areas of application:

- Pharmaceuticals Industry
- Basic Research / Research Institutes
- Packaging Industry
- Cosmetics Industry
- Food / Beverage

Advantages:

- Long-Term Stable Test Conditions
- Independent of the Water Supply
- Temperature/Humidity/Light Simulation in One



VACUUM DRYING OVENS

OVEN FOR NON-FLAMMABLE SOLVENTS

An Airflow vacuum drying oven is the first choice when it comes to efficient drying using homogeneous temperature distributing in a vacuum.

OVEN FOR FLAMMABLE SOLVENTS

For a VDL series vacuum drying oven, safety is the top priority - even flammable solvents can be gently dried.



OVERVIEW

Vacuum drying ovens from Airflow dry samples completely without residues, scaling or oxidation, everything in overdrive.

Thanks to the patented APT.line™ preheating chamber technology, the heat is distributed evenly throughout the electropolished inner chamber and the corrosion-resistant expansion shelf carrier made of stainless steel in the vacuum drying oven. This ensures even, gentle drying. The vacuum drying ovens of the VDL series with patented flame protection gasket, overpressure encapsulated instrument panel and controlled heating provide additional protection when working with flammable solvents.

Areas of application:

- Chemicals
- Electronics / Semiconductor Industry
- Plastics Industry
- Surface Technology
- Pharmaceuticals Industry

Advantages:

- Safe Work with One-of-a-Kind Safety Concept
- Fast, Condensation-Free Drying Processes
- Homogeneous Sample Drying in a Vacuum



SAFETY DRYING OVENS

SAFETY DRYING OVEN

The FDL safety drying oven with silicone-free and dust-free inner chamber and symmetric airflow provides the perfect environment for all specimens containing solvents.

SAFETY DRYING OVEN WITH EXPANDED TEMPERATURE RANGE

The MDL safety drying oven is suited for high-performance temperature testing in chemistry and surface technology thanks to high airflow at temperatures up to 350°C.

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OVERVIEW

Safety drying ovens from Airflow reliably dry up to 350°C and ensure the perfect test result of your solvent-based paints and coating materials.

Whether drying coating material, car paint or paint: An Airflow safety drying oven ensures absolute temperature accuracy at a high air exchange rate, thus providing a basis for the best quality and reproducible testing results. With the FDL and MDL series, you get high-quality safety drying ovens that meet all EN 1539 requirements and provide maximum work safety with intelligent fresh air monitoring.

Areas of application:

- Chemicals
- Surface Technology

Advantages:

- Defined Solvent Quantity According to EN 1539
- Wide temperature range up to 350°C

BACK



MATERIALS TEST CHAMBER

TEST CHAMBER WITH MECHANICAL CONVECTION

A material test chamber of the FP series is made for complex temperature testing.

TEST CHAMBER WITH INDIVIDUAL PROGRAMMINGTEST

With temperatures up to 300°C, a high-performance fan and individual programming, a material test chamber of the M series is the first choice in material testing and aging testing.



OVERVIEW

A material test chamber from Airflow specialises in demanding heating profiles and shows its unique advantages all the more when handling complex tasks.

All Airflow material test chambers are extremely precise and have a wide temperature range and comprehensive programming options, including customised ramps, profiles and processes. With the FP and M series, Airflow offers you material test chambers with mechanical convection and individual programming for all material testing and aging testing tasks.

Areas of application:

- Metal Industry / Engineering
- Electronics / Semiconductor Industry
- Surface Technology
- Plastics Industry

Advantages:

- The Specialists for Demanding Heating Profiles
- Adjustable High Air Change Rate
- 'Made in Europe' Quality



HEATING CHAMBERS

HEATING OVEN WITH MECHANICAL CONTROL

Our reliable and powerful heating oven at an attractive price.

HEATING OVEN WITH GRAVITY CONVECTION

The perfect heating ovens for routine drying and sterilisation applications up to 300°C.

HEATING OVEN WITH MECHANICAL CONVECTION

The right heating oven when it comes to fast drying and sterilisation.

HEATING CHAMBER WITH MECHANICAL CONVECTION

A heating chamber of the FED series is a true all-rounder thanks to enhanced control functions.



OVERVIEW

Diversity for all types of thermal: An Airflow heating oven or heating chamber is up to any tasks thanks to its wide temperature range - whether efficient drying, long-term controlled elevated temperatures or sterilisation tasks for homogeneous temperature distribution.

The wide temperature range of the Airflow heating ovens and heating chambers of 5°C above ambient temperature to 300°C allows short heating up times and large power reserves. Whether by gravity or mechanical convection, the high standard of quality and process stability of our heating ovens and heating chambers goes without saying.

Areas of application:

- Basic Research / Research Institutes
- Electronics / Semiconductor Industry
- Plastics Industry
- Human / Veterinary Medicine

Advantages:

- Fast, Even Tempering
- Wide Temperature Range
- 'Made in Europe' Quality

