



Protecting your
laboratory environment

LABCONCO®



Quality • Safety • Innovation • Ergonomics



Environmental Responsibility • Community • Service



Our Heritage



Labconco, Circa 1950

Shortly after the turn of the century, a number of companies — primarily agricultural — began to establish chemical testing laboratories to meet emerging governmental regulations. As these labs developed new testing methods and measurement criteria, a need for new types of equipment also evolved.

In 1925, two young entrepreneurs — Ralph Callaway and Phil Goldfish — joined forces to address this need. Their first product, the Kjeldahl Nitrogen Determination Apparatus, was manufactured in a small garage in downtown Kansas City.

Over the years, their company — initially called Laboratory Construction Company and now known as Labconco Corporation — continued to develop and produce specialized equipment for the laboratory.

Today, our company employs more than 250 associates in Kansas City, Missouri, and Fort Scott, Kansas, and manufactures more than a dozen different product lines. Labconco is ISO 9001 certified, one measure of our commitment to quality and consistency in design and manufacturing.



ABOVE: Circa 1950.

The Kjeldahl Nitrogen Determination Apparatus was Labconco's first product and the current generation of this product line is still manufactured today.

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Labconco: An Overview

Unifying Statement

Our "Unifying Statement" was developed to communicate Labconco's business philosophy:

Labconco's commitment is to supply superior products to the laboratory marketplace. With this commitment, we will endeavor to:

- ▼ Provide superior quality products, service and support for our distribution channels and customers.
- ▼ Explore and develop new and profitable market segments and customer channels while continuing to improve upon existing product offerings.
- ▼ Listen to and trust each associate, and respect his/her creative potential.



© Mike Sinclair

Outstanding Customer Service

Labconco's customer service is second to none. When you call, our receptionist answers and directs your call to a qualified customer service, product service or sales representative. Product specialists are readily available to answer your application questions.

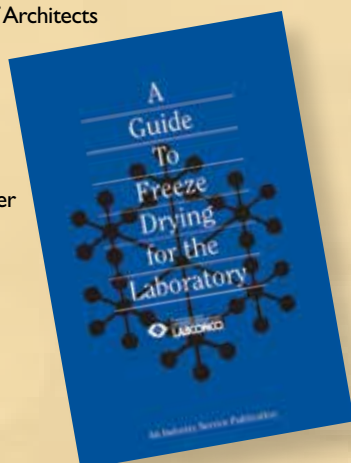
Education

On our website and in print, we offer free industry service guides to aid in the selection of fume hoods, biological safety cabinets, freeze dryers and water purification systems. At customer locations, we conduct specialized training such as lunch and learn sessions accredited by the American Institute of Architects (AIA). In our company's auditorium, we conduct training for certifiers and servicers and host sessions for other large groups.



ABOVE: Protector XL Laboratory Hoods line the perimeter of this laboratory at Meredith College, Raleigh, North Carolina.

LEFT: Labconco frequently hosts seminars in our auditorium located in our Kansas City headquarters.



Labconco: An Overview

Our Customers

Through a worldwide network of distributors, we serve laboratories in a variety of facilities around the globe including:

- ▼ Universities
- ▼ Research centers
- ▼ Hospitals and pharmacies
- ▼ Forensic investigation facilities
- ▼ Vivariums
- ▼ Government agencies

Our customers are as varied as our products. In addition to the distributors and end users of our products, we share our knowledge with many associated with the scientific community including:

- ▼ Architects
- ▼ Engineers
- ▼ Facility managers
- ▼ Certifiers

Whether our customers are selecting a single apparatus or dozens, renovating an existing laboratory or starting from scratch, Labconco lends its expertise to help them understand, operate and maintain our equipment. We help find solutions to their laboratory challenges with assistance such as:

- ▼ Product selection
- ▼ Laboratory space planning
- ▼ Ventilation equipment layout/ placement recommendations
- ▼ Identification of cost and energy saving alternatives
- ▼ Submittal packages and BIM Revit® and AutoCAD® drawings
- ▼ Product detailing and specification
- ▼ Follow up contact throughout the life of the project

University laboratories, like this one at the University of California-San Francisco, are regular customers of Labconco equipment.



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Labconco: An Overview



© Dan Rockafellow

ABOVE: Protector XVS Ventilation Stations function as individual work areas at the Missouri State Highway Patrol Crime Laboratory in Springfield, Missouri.

BELOW: Two Purifier Logic Biosafety Cabinets occupy this tissue laboratory at Johnson County Community College in Overland Park, Kansas.



© Aaron Bales

Our Products



Protecting your laboratory environment is the foundation of our product development efforts. Every Labconco product is designed with safety in mind. For example, our laboratory fume hoods protect the user from breathing harmful chemical vapors. Our biological safety cabinets protect the user, the product and the environment from exposure to biohazardous particulates. Our water purification systems protect sensitive samples from exposure to contaminated water.

Safety Tested

Labconco maintains the highest standards and professional certifications attainable in the industry. The seals shown below represent some of the compliance standards and practices we meet.



ETL Testing Laboratories mark signifies that our products conform to electrical standards of UL in the U.S. and CAN/CSA in Canada.



The CE mark indicates our products conform to all safety and other directives required by the Council of European Communities.



NSF Standard 49 establishes minimum requirements for Class II biohazard cabinets.



Scientific Equipment & Furniture Association issues recommended practices for laboratory fume hoods and other ventilation products.



NANOSAFE, INC. developed the NANOSAFE TESTED™ Program to provide independent third-party testing of nanotechnology products. See trademark note on back cover.



© Steven Long

The high performance Protector XStream Laboratory Fume Hood requires 40% less air than standard fume hoods.

Our Products



Being Green

Labconco is committed to improving the social, economic and environmental well-being of our community. We further this commitment by:

- ▼ Instilling environmental responsibility as a corporate value
- ▼ Fostering a participatory process in developing our environmental policy and stewardship activities
- ▼ Designing products that use less energy, while maintaining the highest standards in product performance
- ▼ Striving to buy, sell and use environmentally-friendly products
- ▼ Continuously looking for ways to reduce and recycle our process and office waste
- ▼ Providing resources and volunteering our time to local schools and community charities.

Our membership in the United States Green Building Council is evidence of our ongoing efforts to designing environmentally-conscious products. Three Labconco product lines contribute LEED® points: Protector® XStream® Laboratory Hoods, Purifier® Logic™ Biosafety Cabinets and FlaskScrubber® and SteamScrubber® Laboratory Glassware Washers.



Our Products



Focus on Ergonomics

Labconco incorporates ergonomics and human factors into every product. Our products are designed for comfort, ease-of-use and accessibility. For example, our biological safety cabinets have a large, line-of-sight display for at-a-glance readings and curved inlet grille to support forearms. Angled sashes found on our XPert® Balance Systems and many other of our enclosures provide a closer, more comfortable viewing position without glare.

The FlaskScrubber Laboratory Glassware Washer may be placed on a base stand, which raises the washer to user height for easy loading and unloading.



© Dan Rockafellow

Labconco pioneered the use of an angled sash on our biological safety cabinets to allow closer, more comfortable viewing without glare.

Our Products



Chemical Fume Hoods and Ductless Carbon-Filtered Enclosures

Protector® Laboratory Hoods

- ▼ XStream® for High Performance
- ▼ Premier® and XL for General Chemistry
- ▼ ClassMate® for Education
- ▼ Perchloric Acid
- ▼ Radioisotope
- ▼ Floor-mounted
- ▼ Pass-Through

Basic Laboratory Hoods

Protector® Demonstration Hoods

Protector® XVS Ventilation Hoods

Paramount® Ductless Enclosures

Protector® Work Stations

Fume Adsorbers

FilterMate™ Portable Exhausters

Canopy Hoods



Chemical Fume Hoods and Ductless Carbon-Filtered Enclosures



© Mike Sinclair



© Dan Rockafellow



© Mike Sinclair

TOP Left to Right: Paramount Ductless Enclosures use carbon filters to adsorb or treat chemical fumes and vapors. Unlike traditional fume hoods, no outside ducting is required.

Protector XVS Ventilation Stations are an economical light duty alternative to traditional fume hoods.

Protector Premier Laboratory Hoods feature a molded, one piece fiberglass liner that is extremely chemical and corrosion resistant, highly durable and provides excellent light reflectivity.

BOTTOM Left: Labconco offers three lines of high performance laboratory hoods that may operate as low as 60 fpm, conserving expensive tempered room air: the Protector XStream (center), Protector Premier (left) and XL (right).

BOTTOM Right: Protector ClassMate Laboratory Hoods have clear baffles and sides for visibility from all sides, well suited for teaching demonstrations.

Biosafety Cabinets, Clean Benches and Other HEPA-Filtered Enclosures

Purifier® Logic® Class II Biosafety Cabinets

- ▼ Type A2
- ▼ Type B2

Purifier® Class I Safety Enclosures

Purifier® HEPA Filtered Enclosures

Purifier® Vertical Clean Benches

Purifier® Horizontal Clean Benches

Purifier® Filtered PCR Enclosures

PuriCare® Laboratory Animal Stations

- ▼ Open Access Stations
- ▼ Vertical Flow Stations
- ▼ Dual Access Laminar Flow Cabinets
- ▼ Procedure Stations
- ▼ Bedding Disposal Stations



Purifier Horizontal Clean Benches produce particulate-free air in the work area to protect samples such as plant tissue from airborne contaminants.

BOTTOM Left: Purifier Logic Biosafety Cabinets provide personnel, product and environmental protection from hazardous airborne particulates such as viruses. Biological safety cabinets line a wall of this room at the Johnson County Crime Lab in Olathe, Kansas.

BOTTOM Right: The Purifier Logic Biosafety Cabinet on SoLo™ Hydraulic Lift Stand is located next to a Protector XStream Laboratory Hood. The Solo Stand allows the cabinet to be lowered for passage through standard doorways.



Biosafety Cabinets, Clean Benches and Other HEPA-Filtered Enclosures



Purifier Filtered PCR Enclosures offer a controlled environment in which to prepare samples for polymerase chain reactions.



PuriCare Open Access Stations provide personnel and environmental protection from allergens during small rodent cage changing operations. HEPA-filtered air protects the laboratory animals from cross-contamination.



Glove Boxes, Balance and Nanotechnology Enclosures

Protector® Glove Boxes

- ▼ Controlled Atmosphere
- ▼ HEPA-Filtered
- ▼ Combination
- ▼ Double

Precise® Glove Boxes

- ▼ Basic
- ▼ Controlled Atmosphere
- ▼ HEPA-filtered

XPert® Weigh Boxes

XPert® Balance Enclosures, Systems and Stations

XPert® Bulk Powder Enclosures, Systems and Stations

XPert® Nano Enclosures



Precise Controlled Atmosphere Glove Boxes protect sensitive materials from exposure to oxygen or moisture.



Precise Glove Boxes offer a physical barrier between the researcher and samples.

Glove Boxes, Balance and Nanotechnology Enclosures



TOP Left: XPert Bulk Powder Filtered Systems make handling bulk quantities of powders safer and easier.



TOP Right: XPert Nano Enclosures have 99.999% efficient ULPA filtration to protect the user from exposure to airborne nanomaterials and have been independently validated for nanomaterial containment. See trademark note on back cover.



BELOW: XPert Balance Enclosures may be ducted to the outside or connected to a FilterMate Portable Exhauster, which houses a carbon filter, HEPA filter or both depending on the user's requirements.



Freeze Dry Systems, Concentrators and Evaporation Systems

FreeZone® Freeze Dry Systems

CentriVap® Vacuum Concentrators

CentriVap® Cold Traps

RapidVap® Vacuum Dry Evaporation Systems

RapidVap® N₂ Dry Evaporation Systems

RapidVap® Vertex™ Dry Evaporators

RIGHT: FreeZone Freeze Dry Systems lyophilize a variety of samples found in pharmaceutical research, microbiology and historical preservation. The FreeZone Stopping Tray Dryer dries batches of samples in vials and then stoppers them under vacuum.

BELOW Left: CentriVap Vacuum Concentrators use centrifugal force to eliminate bumping and foaming common when applying vacuum during evaporation. These products rapidly concentrate multiple biological samples and can process up to 148 tubes at once.

BELOW Right: RapidVap Vertex Dry Evaporators use dry heat and nitrogen blow down to speed evaporation of up to 50 samples at the same time. Unlike water baths, the dry block requires less maintenance and adds no potential source of contamination.



Glassware Washers and Water Purification Systems

FlaskScrubber® Vantage® Series Laboratory Glassware Washers

FlaskScrubber® Laboratory Glassware Washers

SteamScrubber® Laboratory Glassware Washers

WaterPro® RO Stations

WaterPro® PS Polishing Stations

BELOW: Undercounter glassware washers are a convenient alternative to centralized washing systems.

UPPER Right: FlaskScrubber Laboratory Glassware Washers include a spindle rack that holds 36 pieces of narrow-neck glassware.

LOWER Right: WaterPro PS Polishing Stations deliver point-of-use Type I water.



© Mike Sinclair

Forensic Enclosures

Capture™ Portable Fuming Systems

Protector® Evidence Drying Cabinets

Protector® Downdraft Powder Stations

RIGHT: The Protector Downdraft Powder Station keeps the user safe by containing powders during fingerprint processing.

BELOW: The Protector Evidence Drying Cabinet is lined with durable stainless steel and provides a secure ventilated area to dry evidence such as clothing and bedding.



The CAPture Portable Fuming System quickly fixes latent fingerprints at the crime scene using microburst or traditional CA fuming methods, while protecting the user from hazardous fumes. It is transportable as a compact package that may be set up in minutes.

Additional Products

Laboratory Carts & Benches

Blood Drawing Chairs

Classical, Micro and Rapid Kjeldahl Apparatus

Goldfish Fat Extractors

Crude Fiber Apparatus

Bio-Concentrators

Vacuum Desiccators



LEFT: Labconco Laboratory Carts and Mobile Benches add portability to your work space.



ABOVE: The RevElution™ Bio-Concentrator rapidly and efficiently concentrates liquid microbial samples for further analysis.

LEFT: The Hooded Kjeldahl Apparatus is an example of our classical Kjeldahl products used in agrichemistry laboratories.

BELOW: The Vacuum Desiccator has a cubic foot of moisture-free space for cooling, drying and storage of materials.



Visit www.labconco.com to request information on Labconco products.



Fume Hoods & Carbon-Filtered Enclosures



Biosafety Cabinets, Safety Enclosures & Clean Benches



Laboratory Animal Research Stations



Glove Boxes



Balance & Bulk Powder Enclosures



Nanotechnology Enclosures



Forensic Enclosures



Freeze Dry Systems



Multiple Sample Evaporation Systems



Vacuum Concentrators & Cold Traps



Glassware Washers



Water Purification Systems



Agricultural Chemistry Products



Laboratory Carts & Benches



Blood Drawing Chairs



Labconco Corporation

8811 Prospect Avenue
 Kansas City, MO 64132-2696
 816.333.8811 or 800.821.5525
 FAX: 816.363.0130
www.labconco.com



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Printed in the U.S.A.

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2-85-1/13-3.5M-R1

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