

# Labconco Products for the Extraction Lab



## 4' Protector® Premier® Laboratory Hood

One piece fiberglass lining resists broadest range of laboratory acids and organic solvents, making this 4-foot hood ideal for most laboratory applications.

Benchtop model mounts on existing counter surface, or choose from supporting bases including Acid or Solvent Base Cabinets and Base Stands.

Protector Premier Hoods are also available in 5, 6, and 8 foot widths. The hood requires a remote blower; models with built-in blowers are also available. Work surface sold separately.

## Basic™ Laboratory Hood

Simple in design yet fully featured with by-pass air flow and convertible built-in or remote blower package, the Basic Hood is an excellent choice for applications with organics and low corrosive agents.

Not as deep or tall as the Protector series, the Basic Hood fits in narrow and confined spaces such as mobile labs. It is available in 4 and 6 foot widths.

All hoods require a work surface (sold separately).



## Storage Cabinets

Base Cabinets provide support for the full line of benchtop Labconco fume hoods. Cabinets may be mixed or matched so that their total width equals the width of the fume hood they support. They may be used for storage and venting of laboratory instruments and reagents.

Special-use cabinets available include Acid Storage Cabinets for corrosive liquids, Solvent Storage Cabinets for flammable liquids and Vacuum Pump Storage Cabinets.

Accessories include filler panels, shelf kits and vent kits.



## Glassware Washers

Labconco laboratory glassware washers have specialized features to meet the demand for superior cleaning and convenience including high heat programs (230V models) and an on-board steam generator for thorough removal of extraction oil residue.

The **FlaskScrubber**<sup>®</sup> has a spindle rack that holds up to 36 pieces of primarily narrow-necked glassware such as volumetric flasks. The **SteamScrubber**<sup>®</sup> has top and bottom racks that accommodate accessory inserts for a wide variety of glassware shapes and sizes, primarily beakers and other wide-mouth glassware.

All racks are interchangeable among washers. In addition, a wide number of accessory baskets and racks are available.

## RapidVap<sup>®</sup> Vacuum Evaporation System

The systems are ideal for preparation of samples in a variety of applications including drug discovery, agrichemistry, mycology testing and environmental analysis. The systems speed evaporation and provide an alternative to traditional centrifugal evaporation methods. Water evaporates at a rate up to 0.75ml/minute/tube. Methylene chloride evaporates at a rate up to 4.8ml/minute/tube.

The systems accommodate 12 different, interchangeable accessory sample blocks holding sample volumes from a few milliliters up to 450 milliliters per tube (8 x 450ml = 3.6L) and various tube types. As many as 110 each 12 or 13 mm tubes may be loaded at once.



## Carts and Benches

Choose from 20 models including Glassware Carts, Mobile Equipment Tables, Flexi-Bin Carts, Portable Table, Chemical Cart, Pan Cart, Stainless Steel Cart, Instrument Desk, Mobile Bench, Carboy Caddy, and Variable Height Mobile Bench. The Stockroom Cart combines a two-step ladder and cart.

All Labconco Carts and Benches have a lifetime guarantee.



## Protector® XL™ Floor-Mounted Laboratory Hoods

Protector XL Floor-Mounted (Walk-In) Laboratory Hoods are constructed of corrosion-resistant fiberglass panel liners and supplied in three depths. They are suitable for general chemistry applications and accommodate oversized equipment, such as multiple extraction systems. Explosion-proof models are available.

Models with **horizontal-sliding sashes** provide increased loading height, a great benefit for laboratory workers with applications requiring distillation racks, extraction apparatus or large drums and carboys. These hoods are supplied in 8, 10, 12 and 16 foot widths.

Models with **vertical-rising sashes** accommodate laboratory procedures that require maximum working height. Testing confirms these vertical-rising sash hoods meet the SEFA-1 standard of a low velocity, high performance hood. Vertical-rising sash models are offered in 4, 5, 6 and 8 foot widths.

Hoods are available with or without pre-plumbed service fixtures and pre-wired electrical receptacles. All hoods require a remote blower and ductwork (sold separately).



## Purifier® Clean Benches

With either horizontal or vertical laminar flow they provide a HEPA-filtered environment that maintains ISO Class 5 (formerly Class 100) conditions to protect samples from airborne contamination. Because they do not provide protection to the user, they should not be used in conjunction with biohazardous material, toxins or radionuclides.

They are suitable for applications such as tissue culture/plant cloning, media plate preparation, electronics inspection, medical device assembly, pharmacy drug preparation and IV solution preparation.

**Horizontal Clean Benches** direct air horizontally over the work area. They include a brushed stainless steel work surface, filter leak protection and an optional UV light with variable digital timer. They are offered in two depths, standard and deep, and 3, 4, 5, 6 and 8 foot widths.

**Vertical Clean Benches** direct air down over the work area. They offer an optional airflow monitor, UV light with variable digital timer and choice of work surface materials. Models are available in 2, 3 and 4 foot widths.





## WaterPro® Water Purification Systems

Polishing stations and Type III reverse osmosis (RO) systems provide point-of-use pure water via carbon filtration, deionization, organic adsorption, ultrafiltration, ultraviolet exposure and/or microporous filtration. They produce water suitable for water/ice extraction methods.

**WaterPro PS Polishing Systems** deliver Type I water, up to 18.2 megohm-cm, from the dispensing valve or optional dispensing gun at a typical rate of 1.8 L per minute. They include an in-line pressure regulator and timed dispensing feature for unattended operation. Specialized models that produce low TOC or pyrogen-free water are available.

**WaterPro RO Systems** produce high-quality reverse osmosis (RO) purified Type III water at a typical rate of 1 L per minute. They have large capacity filters, timed dispensing feature and optional large-volume storage tanks. RO purified water is ideal for applications such as reagent preparation and glassware rinsing.

All models require applicable filters and cartridges (sold separately) as well as connection to feedwater and drain lines.



## Goldfish Fat and Plant Extractor

The Goldfish Fat Extractor is used to determine fat and oil content in samples and is listed in AOAC methods. It is ideal for ether extraction of complete plant profile/terpenes.

The Fat Extractor reduces extraction time from 16 hours to about four hours through its efficient refluxing system. Samples are placed between a boiling solvent and a cold surface. As boiling continues, the solvent vaporizes, condenses on the cold surface, and washes down through the samples into the boiling solvent below.

It is recommended for use with solvents with boiling ranges not exceeding 85° C (185° F) and should be operated inside an explosion-proof fume hood.



Contact your Labconco dealer for more information about these quality products for your laboratory.



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