



Laboratory Equipment for Brewery Science

THE QUEST FOR THE WORLD'S BEST BEER

The secret to good beer is found in the highest quality ingredients. And while it is true the ingredients provide the base for a good brew, every brewer knows that quality beer begins with the meticulous examination and handling of ingredients as well as the yeast culture strain.

Air Science offers a complete selection of Laminar Flow Hoods, Ductless Fume Hoods, and Custom Built Enclosures that can help brewers in their quest for the perfect brew, every time.

Learn more about our products below or contact us for details on your specific needs.

LAMINAR FLOW HOODS: ASEPTIC TECHNIQUES

From its earliest stage, beer preparation requires the highest level of cleanliness and sterility. In *"The Brewer's Laboratory Handbook: Brewing without the Blindfold"* the case is made for creating an aseptic environment when creating and handling yeast culture strains. Aseptic techniques create a barrier between the contaminants in the environment and the sterile culture cell, and many brewers create positive pressure enclosures as a simple solution to this problem.

Air Science Laminar Flow Hoods are high efficiency cabinets ideally suited for use with non-hazardous contaminants where flexible access to the equipment in the work zone is required.

- **Purair® FLOW Series** vertical laminar flow cabinets are compact and are ideal for use where space is limited.
- **The Purair LF Series** Vertical and Horizontal laminar flow cabinets are well suited for larger operations or where more space is available for setup.



Purair FLOW-24



Models VLF-48 and HLF-72;
HLF-72 shown on optional cart.



- All Purair FLOW models are equipped with HEPA filtration (optional ULPA filter) and LF Series hoods come standard with ULPA filtration.
- FLOW series hoods (vertical flow) are available in widths of 24", 36", and 48".
- LF Series hoods (vertical or horizontal flow) are available in 24", 36", 48", 60", 72" and 96" widths. Horizontal flow LF Series hoods are optionally available as extra tall models.
- Stainless steel models available upon request.

For more information:
airscience.com/brewery





Models P5-24-XT
and P5-36-XTS



Custom Enclosure

**DUCTLESS FUME HOODS:
QUALITY ASSURANCE, FLAVORING, BITTERNESS TESTING**

Quality assurance testing is performed throughout the brewing process to ensure a variety of variables are kept in check. Consistency in taste, acidity (bitterness) and flavor are important factors that brewers must consider. Laminar flow hoods do not usually protect the product or the user when these tests are in process. Here, we recommend the use of ductless fume hoods equipped with carbon filtration.

Ductless fume hoods are cost effective and they can be installed anywhere; no ducting to the outside is required. They are engineered to provide containment for a wide variety of vapors and particulates, allowing easy customization for any application. As standalone units, ductless fume hoods are also highly portable and can easily be moved to accommodate changing procedures and operations.

The Purair® Basic line of ductless fume hoods are designed to provide high level protection at an affordable price. Purair Basic ductless hoods use Multiplex™ Filtration Technology which creates a safe work environment over the widest range of applications. Choose from 12 standard and shallow depth models, 120 V or 230 V, available in 24", 36" or 48" sizes.

For more information:
airsience.com/brewery

**CUSTOM ENCLOSURES:
SOLUTIONS FOR BREWERS OF ALL SIZES**

Many breweries are not built in laboratory settings, making typical laboratory equipment difficult or impossible to use. Air Science can create custom enclosures to meet any space or protection needs for your brewery.

These cabinets are based on standard control, airflow and filtration methods common to the Air Science product line, and can be sized to accommodate your individual application.

For more information:
airsience.com/brewery



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