

CamField Mobile Filter Testing Lab

Remote Air Filter Testing Laboratories for Camfil Farr & Competitive Filter Evaluations



Filter efficiency and lifetime evaluation at your site, under your conditions.



One of our mobile labs installed at an industrial customer's location — filters are tested under the exact atmospheric conditions that are encountered in adjacent buildings.

Air filter testing, using the methods prescribed by the American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE), provides an excellent tool for users to compare air filters to ensure that they receive the best investment value for air filtration in their facilities. Standard 52.2, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size, meets the filter analysis demands of most users. Appendix J also provides information as to whether a filter will meet the particle removal demands throughout the life of a filter, or drop in efficiency over time.

Some users have unique filter performance requirements or local conditions that may be better addressed by actual on-site filter testing. Camfil Farr's CamField Lab sets a higher standard for users to evaluate one air filtration product versus another, at the user's site, under their unique conditions.

The CamField Lab:

- Includes four individual test ducts for testing four individual air filters, either Camfil Farr filters or competitors' filters of the owner's choice.
- Evaluates filters for particle size versus efficiency, using instruments that provide particle counts in individual bands that include particles in micron sizes from 0.3 to 0.5, 0.5 to 0.7, 0.7 to 1.0, 1.0 to 2.0 and 2.0 to 5.0. It may also provide cumulative totals from one selected particle size and larger.
- Provides additional data that may be critical to the analysis such as temperature, humidity and airflow histories.
- Exports data to existing data storage within the lab and transmits the data periodically to remote locations. The CamField Lab is padlock-secured during operation.
- Allows Camfil Farr to produce a filter comparison analysis that includes an executive summary, details of operational settings and detailed performance results for each filter tested.



Camfil Farr	Product Sheet
CamField Mobile Lab	CFLAB1 - 0910
Camfil Farr - clean air solutions	



Camfil Farr places the CamField Laboratories onsite at a significant expense of resources and personnel. Time commitment is three to six months or longer, depending upon ambient conditions.

Data Collection Benefits All Users

CamField Labs are in use in Europe, Asia and North America and the on site analyses are performed worldwide to gather information on air filter performance and demonstrate the actual life-cycle cost of Camfil Farr products and competitors' products. The data becomes part of our testing archive and is used in our LCC Green Software to simulate filter performance using software selection parameters.

Lab and software users have fast-tracked to saving tens to hundreds of thousands of dollars when matching their system operation to the data performance peaks of actual in place air filter testing from CamField Labs.

User-Controlled Parameters

Before applying the CamField Lab to a location, consultations are held with the local Camfil Farr representative, our R&D Department and key personnel at the facility under consideration. Testing parameters are established before lab delivery.

Camfil Farr, Inc.

United States Tel: (973) 616-7300 Fax: (973) 616-7771
 Canada Tel: (450) 629-3030 Fax: (450) 662-6035
 E-mail: camfilfarr@camfilfarr.com

Executive Summary & Detailed Reports

Typically, ongoing testing information is forwarded to all interested parties so local site adjustments, performance verification and other data may be reviewed. Once patterns of consistent performance, and/or product failure have been established, the data is assembled into a final report for user review. The report includes an executive summary and full reporting details, including the logic of product selection, operating parameters, performance conditions and conclusions for each filter under test.

Interested Party Participation

Camfil Farr considers onsite laboratory testing to be an open book. Interested parties such as key facilities personnel and managers, purchasing managers, quality control personnel, air quality managers, cognizant executives and competitive suppliers may be involved in the CamField Lab analyses. Product and testing equipment verification is a component of participation by all parties.