

# CamControl

Automated Non-Intrusive Filter Validation with Data Collection



The Camfil Farr CamControl system allows non-intrusive testing of HEPA and ULPA filters without compromising the containment housing pressure boundary.

The CamControl system is designed to work with the CamContain platform (i.e. CamContain (containment housings and Ceil-series) and CamVent). The CamControl automates a scanning probe, installed in a Camfil Farr system, and moves at a computer-controlled speed eliminating the possibility of errors associated with manual scanning.

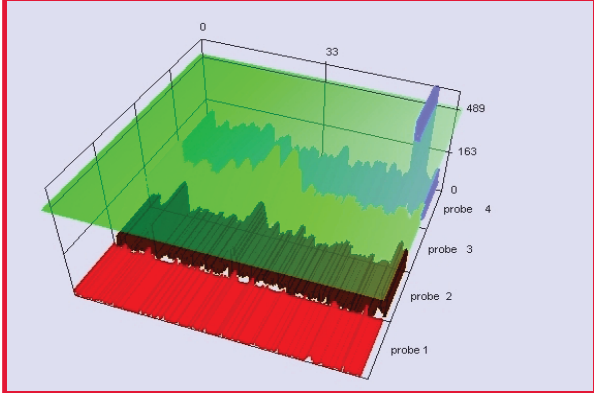
Consisting of three modules, CamControl Valve Box, Motion Box and Control Box, the assembly is easily moved from system to system via a simple dolly cart.

The integral computer system automates all of the operations required to complete a downstream scan of the filter element. This computer evaluates the data received from the scanning probe and informs the user when HEPA/ULPA filters are operating outside design parameters for filter or gaseous contaminant bypass.

Monitor outputs include aerosol concentration confirmation, penetration results, pressure decay testing and global efficiency testing. The data is permanently archived to the internal tamper-proof database, where reports may be generated through a portable format document (PDF). PDFs can be e-mailed or transferred to data archives that may be recalled from data drives for analysis, or to meet requirements as published by cognizant authorities.

Data is also logged as individual housing data so the CamControl can be used to evaluate and archive data, of any containment level system across different facilities.

The CamControl will save countless hours versus standard intrusive system-disrupting validations.



Sample computer screen view showing a filter that failed testing. Note the spikes in the data of probe 4 indicating a leak in the respective area of the filter.



Camfil Farr	Product sheet
CamControl	3427 - 0909
Camfil Farr—clean air solutions	



#### Control Module

- Locked operator interface
- Three security levels
- Event logging database
- Computer keyboard storage in a lockable sliding tray



#### Motion Module

- Advanced scanning control
- Interfaces with Auto-Scan Assembly
- Available as stand-alone option



#### Sequence Module

- Sampling control
- Valve sequencing
- Accurate, high sensitivity particle counter

#### Accessory Module (not shown)

- holds the vacuum/pressure pump, aerosol generator, clean-up filter and ancillary equipment

Shown to the right with a computer monitor on a transport cart, all three modules easily transport from housing to housing. The CamControl system:

- Eliminates lab shut-down and system decontamination associated with manual scanning.
- Expedites the validation process, freeing key personnel for productive tasks.
- Ensures complete system integrity by scanning for leaks in filter mounting hardware and the entire face of the filter area.
- Eliminates the possibility of damaging the filter during scanning.
- Eliminates possible damage to housing access seal during scanning process.
- Is UL and CE compliant
- Is 21 CFR, Part 11 ready



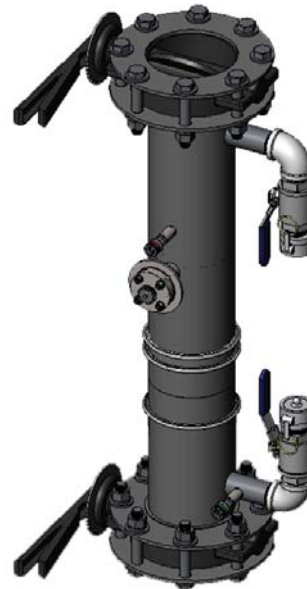
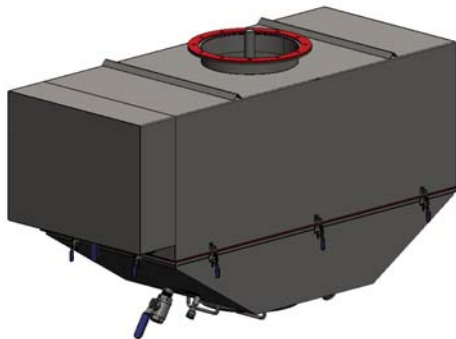




**CamContain**

The CamControl validation system was designed specifically for Camfil Farr CamContain Biocontainment Systems for BSL-3, BSL-3AG and BSL-4 level laboratories.

CamContain systems are 40 percent smaller than conventional filtration systems and engineered to effectively remove sensitive microorganisms from the air.



**CamContain Ceil XS & CamVent**

The CamControl System may also be used with Camfil Farr’s CamContain Ceil XS or CamVent system for non-intrusive validation of installed filters.

The CamContain Ceil XS is a ceiling grid mounted module that is typically used for exhausting air from processing areas. The CamVent is applied in situations that require venting of liquid filled tanks that may contain hazardous materials and should not be directly exhausted into the atmosphere.

Detailed specifications for Camfil Farr products are available at [www.camfilfarr.com](http://www.camfilfarr.com).

Camfil Farr has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.

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Camfil Farr products meet the stringent requirements of ASME NQA-1, Quality Assurance for Nuclear Facility Applications.

