

AstroScan[®] M

**BIBO Validated Scan System
for Critical Containment Applications**

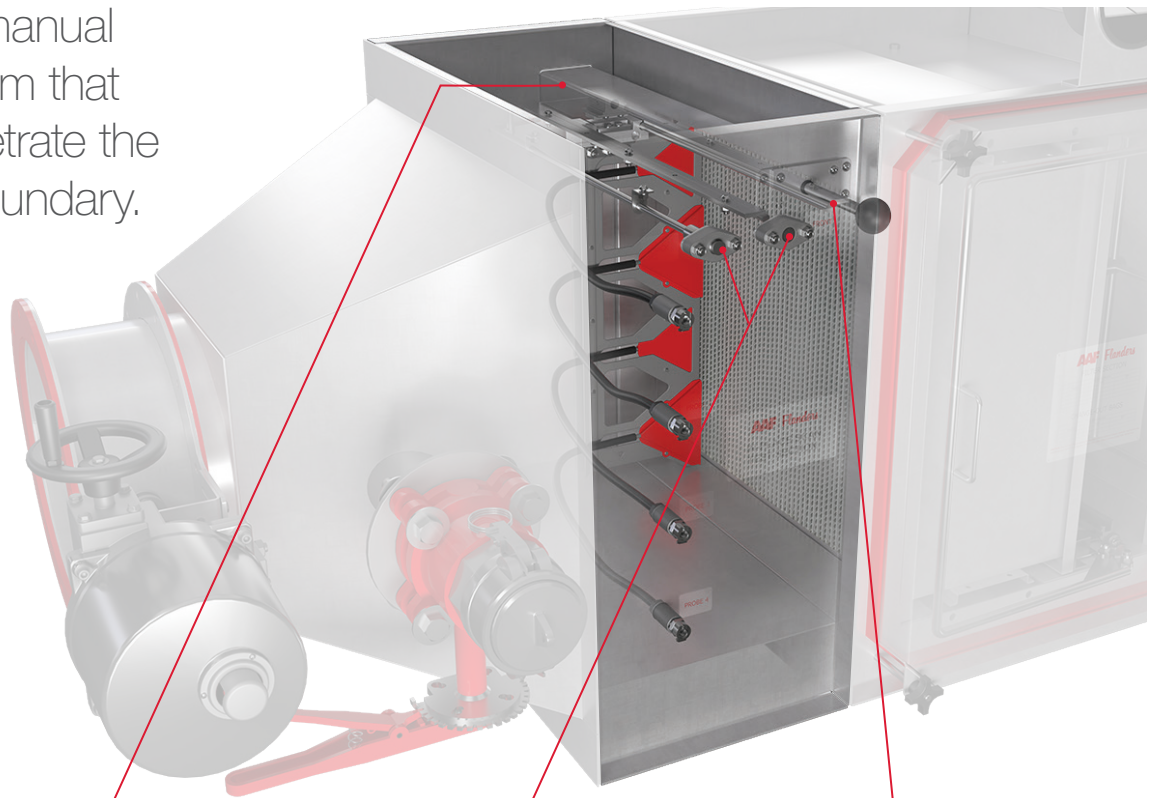


The AstroScan® M

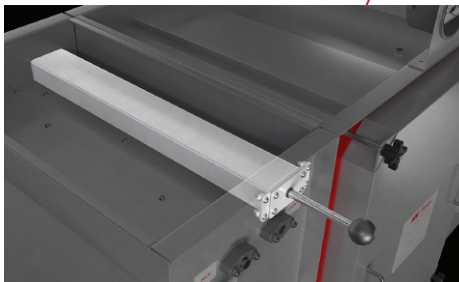
The AstroScan M testing system simplifies and streamlines the HEPA filtration validation of a BIBO (Bag In / Bag Out) critical containment system. This patented and validated system meets the requirements of the IEST-RP-CC0034, HEPA and ULPA Filter Leak tests, while ensuring a safer and more efficient testing process. It allows the ability to scan for potential leaks in-situ while protecting employees and the environment by **completely eliminating exposure to potentially dangerous contaminants** within the housing, mitigating risk and providing peace of mind.

Using the AstroScan M does not require a reduction in operational airflow during validation and is therefore a truly representational test. Easy to set up with quick-connect ports connecting to the test probes, the system is also an extremely efficient and cost-effective method of testing.

The only manual scan system that doesn't penetrate the pressure boundary.

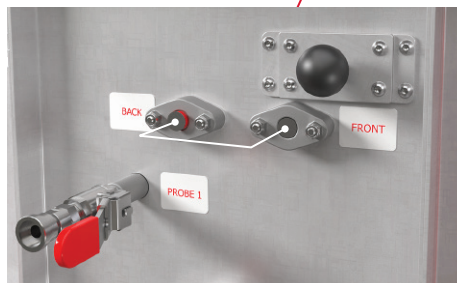


Operation of the AstroScan M In-Situ Testing



Manual Pull Rod Assembly

Actuator assembly does not penetrate containment barrier.



End of Travel Position Indicators

Ensures the sampling probes have traversed the entire face of the filter from the front to the back of the housing.



Positional Visual Pull Rod Measurements

Shows the certifier the approximate location of the filter leak, if one exists.

Features & Benefits

Protects Employees During In-Situ Testing

- Filter housing door does not need to be removed to test – thus eliminating potential contaminants escaping
- Scanning probe actuation is a manual pull rod that does not penetrate the pressure boundary of the housing, therefore reducing the risk of potential leaks from the inside of the housing

Configurations and Options

- Allows for validated testing of individual HEPA filters, per IEST-RP-CC034
- Available with either the BF (fluid seal) or BG (gasket seal) AstroSafe BIBO housings
- Offered with configurations up to (3) 24"x 24" filters wide

Multiple Sampling Probe/System Functionality

- Overlapping sample probes
- Optimized scan probe array
- Uniform probe entry
- High accuracy leak location and qualification
- Rigid sample array carrier plate



3/8" Quick-Connect Port Options to Meet Application Requirements

- Chrome-plated brass
- Chrome-plated brass with Stainless Steel Ball valve
- Stainless Steel
- Stainless Steel with Stainless Steel Ball valve

Easy and Safe to Service

All critical maintenance items can be serviced without the need to open or enter the contaminated housing - including replacing the entire driver assembly

The AstroScan M Meets the Highest Quality and Regulatory Standards

Manufactured and tested to meet the same stringent requirements as AAF's other containment equipment, this product adheres to standards such as ASME N510 for Testing of Nuclear Air Treatment Systems and ASME AG-1 for the Code on Nuclear Air Gas Treatment. It is produced in a facility that follows a strict Quality Assurance program in accordance with ASME NQA-1, which specifies Quality Assurance Requirements for Nuclear Facility Applications.



MEGAcel® I HEPA/ULPA Filter

The MEGAcel I ensures effective particle removal and sustained performance in containment units, capturing harmful contaminants while enhancing energy efficiency and lowering operational costs. Key features include:

- Ultra-high efficiency media
- High tensile strength
- Exceptional particulate loading capacity
- Gradually sloping dust-holding curve
- Low pressure drop
- High moisture tolerance

		Efficiency (EN-1822)	Size (in = Actual) or (mm = Nominal)	Flow	Velocity	Pressure Drop	Strength Factor
Type	Glass	H14	24 x 24 x 12 (in) 610 X 610 X 292 (mm)	2000 CFM or 3400 m³/h	500 FPM or 2.54 m/s	1.45" w.g. or 362 Pa	1.0
	MEGAcel I	H14	24 x 24 x 12 (in) 610 X 610 X 292 (mm)	2000 CFM or 3400 m³/h	500 FPM or 2.54 m/s	1.01" w.g. or 175 Pa	>100X



AAF International Plant Locations

AAF, the world's largest manufacturer of air filtration solutions, operates production, warehousing and distribution facilities in 22 countries across four continents. With its global headquarters in Louisville, Kentucky, AAF is committed to protecting people, processes and systems through the development and manufacturing of the highest quality air filters, filtration equipment, and associated housing and hardware available today.

Your Partner in Risk Mitigation

As a global leader in air filtration, AAF understands the evolving, intensifying risks you face and the potential impacts of those risks. We can assist with site specific risk assessment and provide an innovative, science-based risk mitigation control system to meet your current and future needs.

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