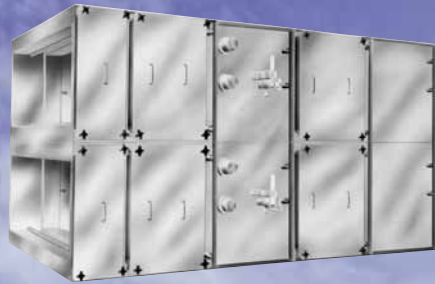


### Bag In/Bag Out (BIBO)



The AAF Bag In/Bag Out side access filter system is a safe, simple, reliable method for removing contaminated particulate filters and/or gases in hazardous environments. All housings are built and tested per ASME N509 and ASME AG-1.

With this system, maintenance personnel are protected from direct contact with the interior of the housing and hazardous contaminants during filter change-out.

### Nuclear Cooling Coils



AAF's nuclear coils are custom designed to meet any application. Built and tested to ASME "N" stamp requirements.

### Walk-in Filter House



For systems up to 30,000 CFM.

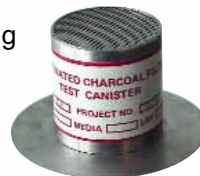
### Side Access TSC



Designed for smaller systems and confined spaces. The AAF TSC housing is in use in over 90% of the nuclear power plants in the US today.

### Adsorbent Test Canisters

Used to determine the operating life remaining in a given bed of adsorbent. Since it is not practical to take samples from an adsorbent bed, small canisters are piped up in parallel to the main beds to pass a proportional amount of air flow. Canisters are periodically removed from the system for analysis of remaining life.



### Carbon Filters



#### Type II

Reusable Type 304 trays. Meets the requirements of ASME AG-1 and N509. Filled with impregnated carbon that adsorb radioactive iodides and other gases. Each Type II tray is rated for 333 CFM.

#### Type III

A flexible system in which the carbon can be replaced without removing the tray or filter. For systems 2,000-30,000 CFM.



#### Type IV

This carbon filter is a BIBO type rated for 1,000-1,250 CFM.



### HEPA Filters

- Designed, manufactured and tested under a Nuclear Quality Assurance Program meeting all requirements of ASME NQA-1 and 10CFR50 App. B.
- Meets the requirements of ASME N509, and are qualified to ASME AG-1 (Formerly MIL-F-51068) and to UL 586. Capacity of up to 1500 CFM in a variety of sizes.
- Neoprene gasket or gel seals.



**Stainless Steel Casing**



**Fire-Retardant Plywood Casing**

### ASHRAE Filters



AAF VariCel® for nuclear use. Up to 90-95% ASHRAE efficiency. UL 900, Class 1, ASHRAE 52.2 MERV 11-14

VariCel® V high capacity, extended surface mini-pleat filters. Efficiencies of 70, 80 and 95% are available. UL Class 2, ASHRAE 52.2 MERV 12-15



VariCel® II extended surface mini-pleat slim line design. Available up to 95% efficiencies. UL Class 2, ASHRAE 52.2 MERV 11-15

### 2000 CFM Nuclear HEPA AG-1 Qualified



**AstroCel® III**

1.3 in. w.g. Diff. Pressure  
24" x 24" x 11½" ASTM A240  
Type 304 Stainless Case

- Save system operating and maintenance cost
- Increase capacity of existing systems with no construction cost
- Extend the life of existing systems at rated capacity
- ASME NQA-1
- 10CFR50 App.B
- QPL Listed
- UL 586

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ISO Certified Firm

AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

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