



U.S. Air Filtration, Inc.

U.S. AirFlo Features & Benefits

Features	Advantages	Benefits
Modular design with different height (low profile) Options	Allows flexibility in system design	Adaptable to space limitations
Down flow air pattern	Aids in filtering and filter cleaning	Lower operating pressure drop at given airflow per filter. Higher air flow for given pressure drop
Multiple cartridge filter options for fine, fibrous, non-fibrous, agglomerative, and high temperature applications	Unequaled cartridge filter performance specific to each application.	High filtration efficiency. Lower Pressure drop. Longer filter life. Less maintenance.
Filter mounting and accessibility: Horizontal filter support. No tools required to service. Quick removal access covers.	Easy servicing of filters from outside unit. No tools to drop, lose, or break.	Less time required to service filters. Less exposure to collected dust. Ease of servicing.
Factory assembled with filters installed	Ease of installation	Lower installation costs
Pulse cleaning system: Each module has its own air manifold, solenoids, and diaphragm valves. One solenoid/diaphragm per filter row. Mecair solenoids and diaphragm valves. Mecair timer.	Modular design. Superior filter cleaning. Standard dust collector components.	Easy to service. Longer filter life. Reliability, availability.
Bridge free hopper under each module	Better flow of dust for disposal. Reduces unit height. No ledges with bridge free outlet.	Ease of removing dust from unit. Collector fits in more locations. Prevents hopper bridging.
Steep sided bridge free hopper option	60° Hopper	Minimizes bridging of fibrous and agglomerative dusts.
Heavy duty construction	Housing rated +- 20" wg	Surpasses most unit
10 gauge minimum. Inlet baffles over each filter row. Continuously welded 3/16" gauge tube sheet	20" wg operating pressure. Protects filter from abrasion. Improves unit integrity.	Meets / surpasses specifications. Longer filter life.

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U.S. AirFlo Features & Benefits Cont'd

Features	Advantages	Benefits
Universal legs design	Rated for 100 mph (160 Km/hr) wind and seismic zone 4 or rated for 100 mph wind and seismic zone 3 with EDAP or AMM	Reduces lead time. Strong structural design.
Bag-out option	Reduces worker exposure to dust.	Protects worker. Minimizes cleanup during filter change out.
Cold Climate Kit	Prevents solenoids valves from freezing.	Easier maintenance on outdoor installations.
Heavy duty cold weather kit	Prevents solenoids/diaphragm valves from freezing.	Easier maintenance on outdoor installations when no moisture trap or dryer is used.
Abrasion resistant inlet (ARI). Inlets are standard option in a 1,2,3 module configuration	Reduced lead time. Reduces element wear. Proper Airflow distribution.	Simplifies ductwork. Reduces maintenance. Increases filter life.
Extended dirty air plenum (EDAP)	Provides air to multiple modules with one inlet. Allows side, front or top inlet to be used. Proper air flow distributions.	Reduces ductwork costs. Simplifies ductwork. Allow flexibility in design.
Air Management Module. (AMM)	Reduces grain loading to active modules. Abrasion of filters is reduced. When used with extended dirty air plenums, one AMM can supply air to 4 modules.	Simplifies ductwork. Reduces maintenance. Increases filter life.