

| 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.<br>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.<br>Lower Pressure drop.<br>Longer filter life.<br>Less maintenance.       |
| Filter mounting and accessibility:<br>Horizontal filter support.<br>No tools required to service.<br>Quick removal access covers.                                                                     | Easy servicing of filters from outside unit.<br>No tools to drop, lose, or break.            | Less time required to service filters.<br>Less exposure to collected dust.<br>Ease of servicing.      |
| Factory assembled with filters installed                                                                                                                                                              | Ease of installation                                                                         | Lower installation costs                                                                              |
| Pulse cleaning system:<br>Each module has its own air manifold, solenoids, and diaphragm valves.<br>One solenoid/diaphragm per filter row.<br>Mecair solenoids and diaphragm valves.<br>Mecair timer. | Modular design.<br>Superior filter cleaning.<br>Standard dust collector components.          | Easy to service.<br>Longer filter life.<br>Reliability, availability.                                 |
| Bridge free hopper under each module                                                                                                                                                                  | Better flow of dust for disposal.<br>Reduces unit height. No ledges with bridge free outlet. | Ease of removing dust from unit.<br>Collector fits in more locations.<br>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.<br>Inlet baffles over each filter row.<br>Continuously welded 3/16" gauge tube sheet                                                                                                | 20" wg operating pressure.<br>Protects filter from abrasion.<br>Improves unit integrity.     | Meets / surpasses specifications.<br>Longer filter life.                                              |

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## USAF CleanFlo Features & Benefits

| 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.<br>Strong structural design.                                     |
| Bag-out option                                                                                | Reduces worker exposure to dust.                                                                                                                               | Protects worker.<br>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).<br>Inlets are standard option in a 1,2,3 module configuration | Reduced lead time.<br>Reduces element wear.<br>Proper Airflow distribution.                                                                                    | Simplifies ductwork.<br>Reduces maintenance.<br>Increases filter life.              |
| Extended dirty air plenum (EDAP)                                                              | Provides air to multiple modules with one inlet.<br>Allows side, front or top inlet to be used.<br>Proper air flow distributions.                              | Reduces ductwork costs.<br>Simplifies ductwork.<br>Allow flexibility in design.     |
| Air Management Module. (AMM)                                                                  | Reduces grain loading to active modules.<br>Abrasion of filters is reduced.<br>When used with extended dirty air plenums, one AMM can supply air to 4 modules. | Simplifies ductwork.<br>Reduces maintenance.<br>Increases filter life.              |