RENEWABLE ENERGY CONSULTANTS, LLC

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REPRESENT ENGINEER & MANUFACTURER OF:

SEPARATOR COLLECTORS AND FABRIC FILTERS

The objective of fabric filter baghouses is to collect particulate matter from the flue gas stream

> Provide flexibility
- Fuel switching and high dust loading
- Pressure and temperature fluctuations

> Higher HAAP control
- Reduced Reagent consumption, for metals and Acid scrubbing applications

> Capable of lower emission levels

> Gas Path
- Inlet manifold
- Inlet plenum
- Fabric filter module
- Clean air plenum
- Outlet manifold in module

> Dust Path
- Filtered on bags in module
- Drops to hopper during cleaning
- Separation in housing before filter bags
- Conveyed to waste or storage

> Cleaning System
- Manifold
- Blowpipes

Advantages

> Design for Maintenance
- Top door design (proprietary design)
- Modular four wall construction

> Design for Constructability
- Split module fabrications
- Shop insulation and cladding

> Advanced Inlet Designs
- Long bag technology
- High side entry

> Side Entry Latest Technology
- New technology for long bag design >24’
- Flow enters side of module and flows across bags
- Efficient on-line cleaning at high A/C ratios
- Reduces bag abrasion issues

> Side Entry vs. Hopper Entry Side Entry
- Distribution up the front wall
- Lower local velocities
- Reduced abrasion
- Efficient cleaning at high air-to-cloth ratios
    - Reduced re-entrainment

> Hopper Entry
- Less expensive
- Developed for smaller baghouses

> Top Door vs. Walk-In Plenum

> Top Door

- Easy to access for maintenance
- No confined space requirements
- Less time required to cool
- In-leakage concerns
    - No warping or in-leakage with the Dustex floating pan design

> Walk-In

- Less expensive
- No penthouse requirements

Call us if interested or need additional information,

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