



# AIR SYSTEMS DESIGN, INC.



## *Single Low Profile MDU*

- For clearance under 20'
- Offers more baler chute for storage capacity
- No steel required for support



## *Back-to-Back MDU*

- For high volumes of air
- Lower profile than a cyclone system



## *MDU with Filter System*

- Dust is deposited into the baler
- No drums to empty or handle
- Air is filtered to 99.999% to one micron and returned into the plant

## MATERIAL DISCHARGE UNIT (MDU) INFORMATION SHEET

*More Than 20 Years  
Experience with Separators!*



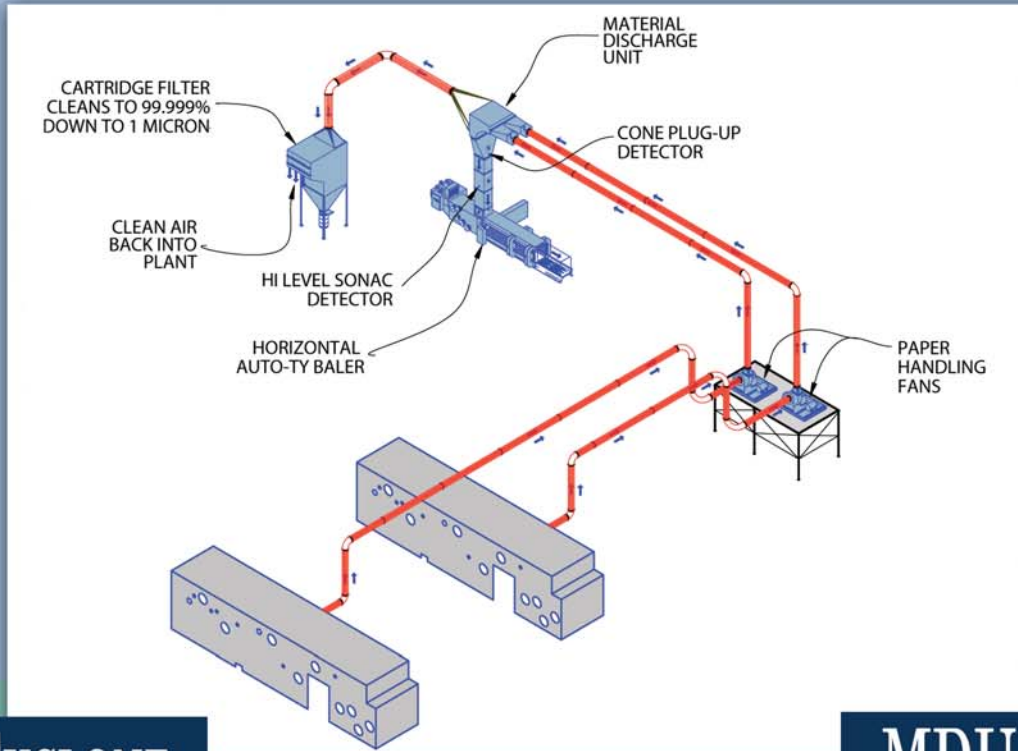
### *Product Benefits*

- *Takes the Place of a Cyclone*
- *Shipped Assembled (Which Saves on Installation Time)*
- *Complete Inside System*
- *Offers More Baler Chute than Most Separators or Cyclones Inside the Plant*
- *Air Discharge Can Be Filtered to 99.999% to one micron*
- *No Limit to Volume of Paper that Can Be Processed*



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## MATERIAL DISCHARGE UNIT (MDU) AIR FLOW



### CYCLONE OUTDATED TECHNOLOGY

- Requires a steel structure for support.
- Cannot offer the same amount of baler chute as an MDU.
- Usually twice the height of an MDU and very often must go on the roof.
- Installation can take up to 3 to 5 weeks.
- If undersized, will have a high back pressure and very high down pressure.
- Can lose bale density without an automatic outlet damper, especially when air is conveyed to a filter system.

VS.



### MDU STATE-OF-THE-ART

- Only requires support legs if placed on the roof or if the larger back-to-back arrangements are used.
- Offers maximum amount of baler chute inside the plant.
- At 6'8" tall, the MDU normally fits under the roof.
- MDU is shipped assembled and can be installed in one to two days.
- Low back pressure and minimal down pressure.
- Can be easily connected to a filtration system.