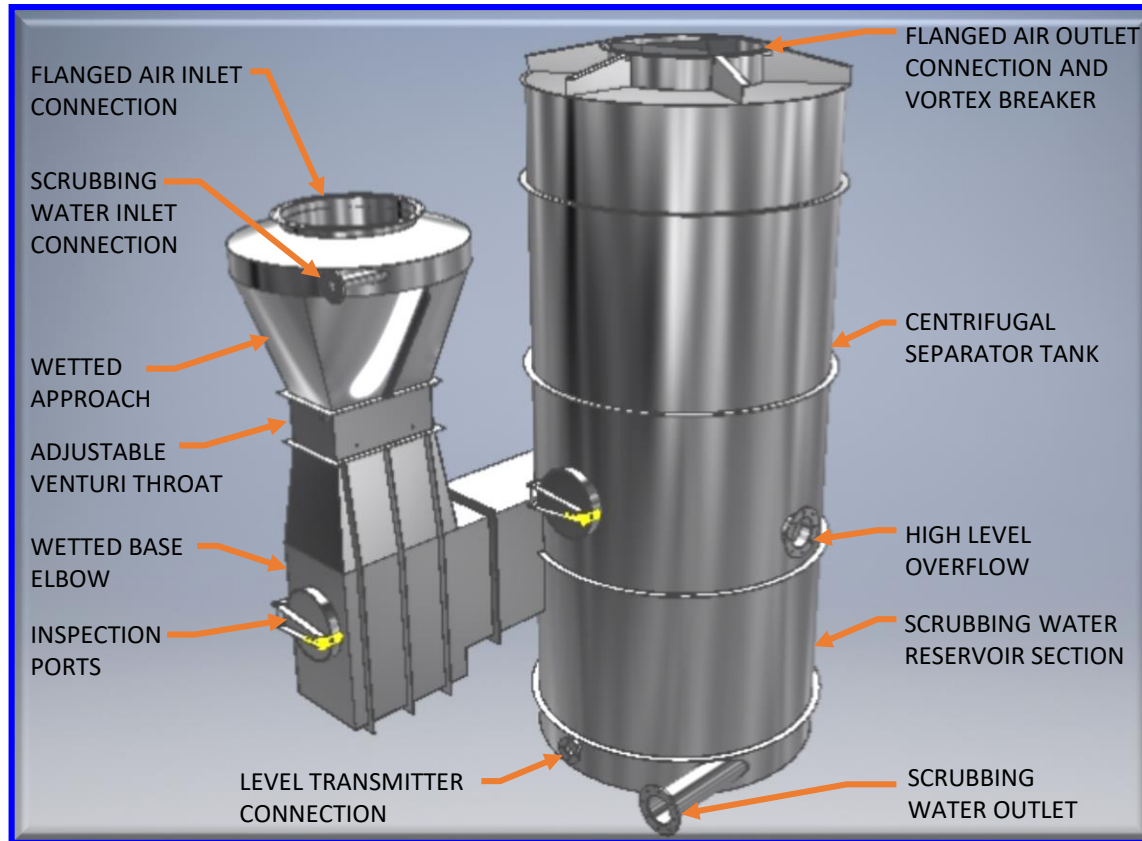


MEDIUM CAPACITY VENTURI SCRUBBER



Application:

- Removal of contaminants from an airstream,
- Air flow rates: 10,000 to 25,000 cfm,
- Headloss: up to 30 inWC

Features:

- Integral reservoir tank,
- Recirculated scrubbing water flow with bleed-off and make-up water on level control,
- Wetted approach section and wetted base elbow,
- Adjustable single-blade venturi throat,
- High-efficiency centrifugal separator with semi-tangential air inlet and top axial outlet,
- Flanged piping connections,
- Inspection ports.

Benefits:

- Recirculated scrubbing water system reduces water consumption,
- Potential for material recovery,
- Simple, reliable, and easy to maintain,
- Open-pipe scrubbing water inlet does not plug.

How it works:

- Relatively dry air with contaminants enters the top and accelerates through the adjustable venturi throat,
- Water enters and breaks into fine mist when exposed to the airstream,
- The contaminants collide with the water droplets and become encapsulated,
- The contaminant laden scrubbing water separates from the airstream and accumulates in the bottom of the separator tank,
- A pump delivers most of the scrubbing water back into the venturi while a portion is bled off from the system,
- Make-up water continuously flows into the scrubber.



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