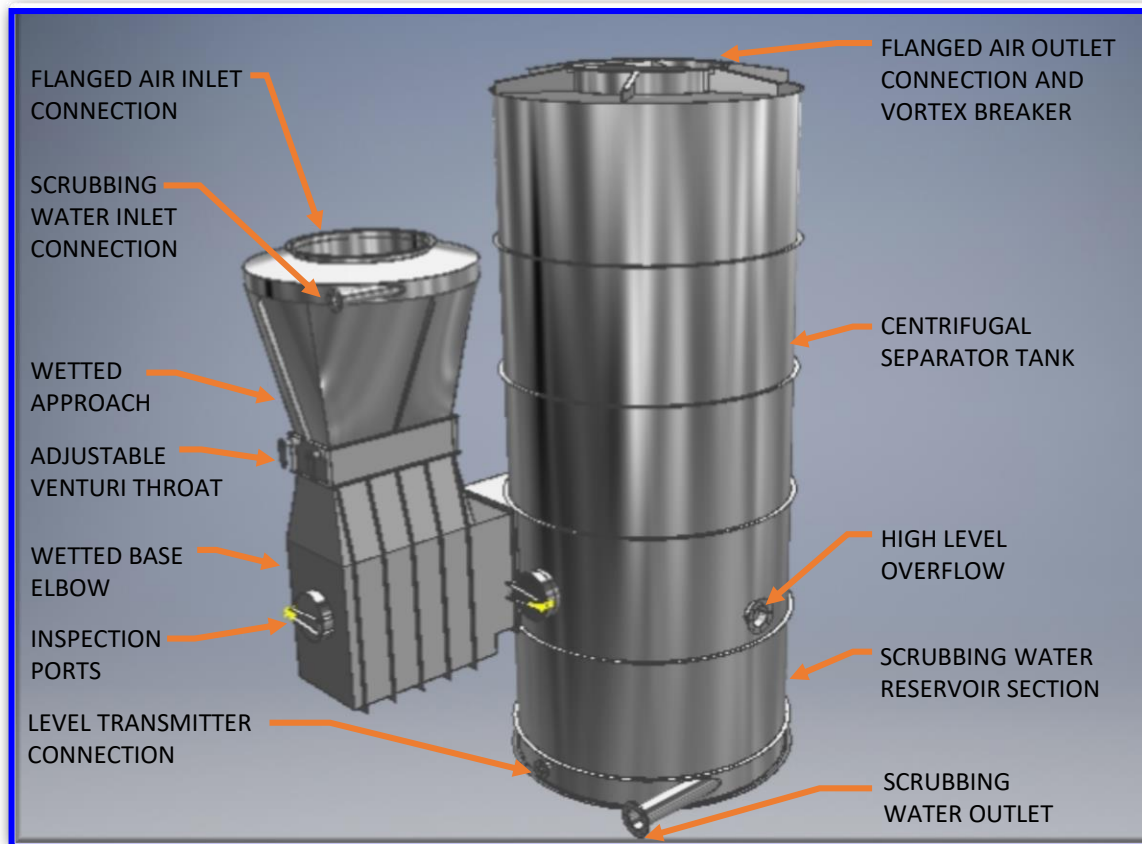


# HIGH CAPACITY VENTURI SCRUBBER



## Application:

- Removal of contaminants from an airstream
- Air flow rates: 25,000 to 65,000 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 dual-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 on level control



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