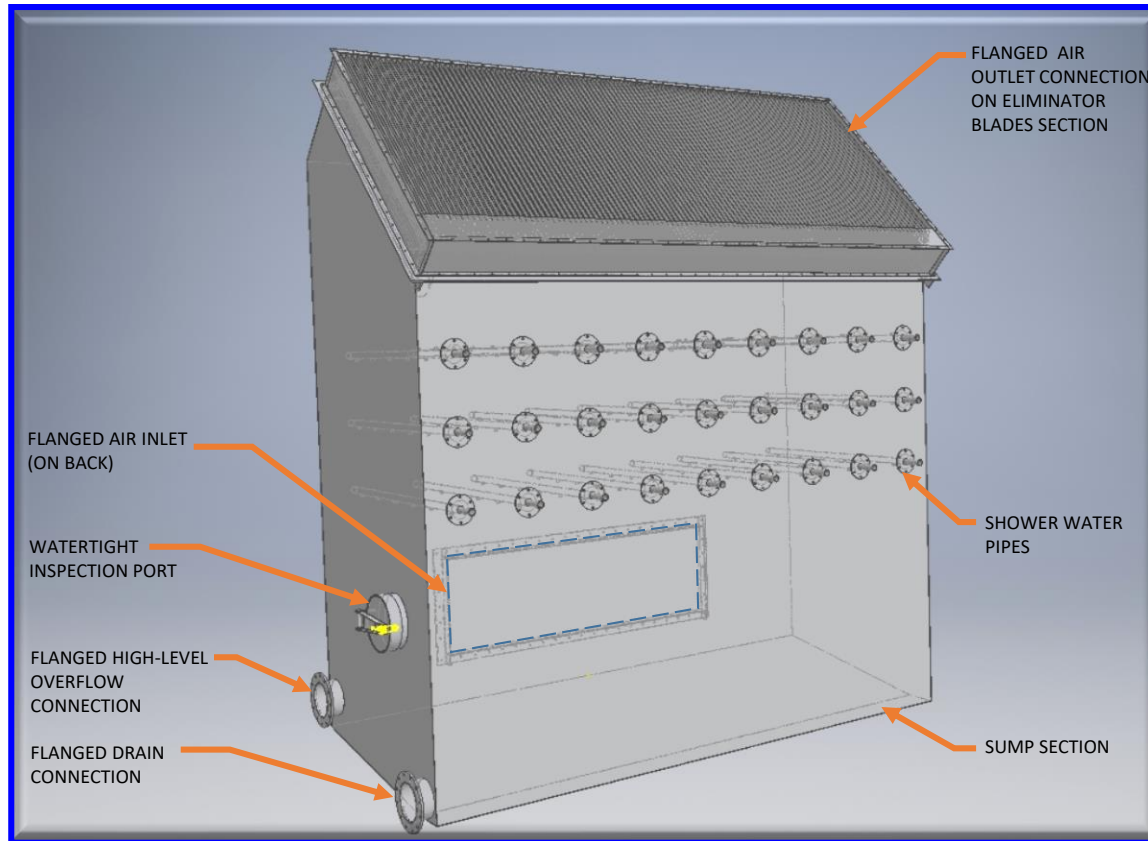


DIRECT AIR TO WATER HEAT RECOVERY



Application:

- Direct air to water heat recovery and wet-scrubbing of process exhaust
- Air flow rates up to 150,000 scfm
- Up to 800°F inlet air

Features:

- Flanged inlet and outlet air connections
- Eliminator blades for mist removal
- Flanged drain and high-level overflow connections
- Removable shower headers, inspection ports

Benefits:

- Heat recovery rate is predictable. The heated water is used for selected processes
- Air is cleaned
- Compact design
- Modular construction for easy installation
- Simple, reliable, and easy to maintain

How it works:

- Hot air enters the bottom sump section and flows upwards
- Shower water is uniformly distributed and falls through the upwards airflow
- The air is cooled, moisture condenses out, and particulate is encapsulated in water
- Droplets approaching the outlet are separated from the airstream with the eliminator blade section
- The heated water is collected in the sump section and drained to a reservoir



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