

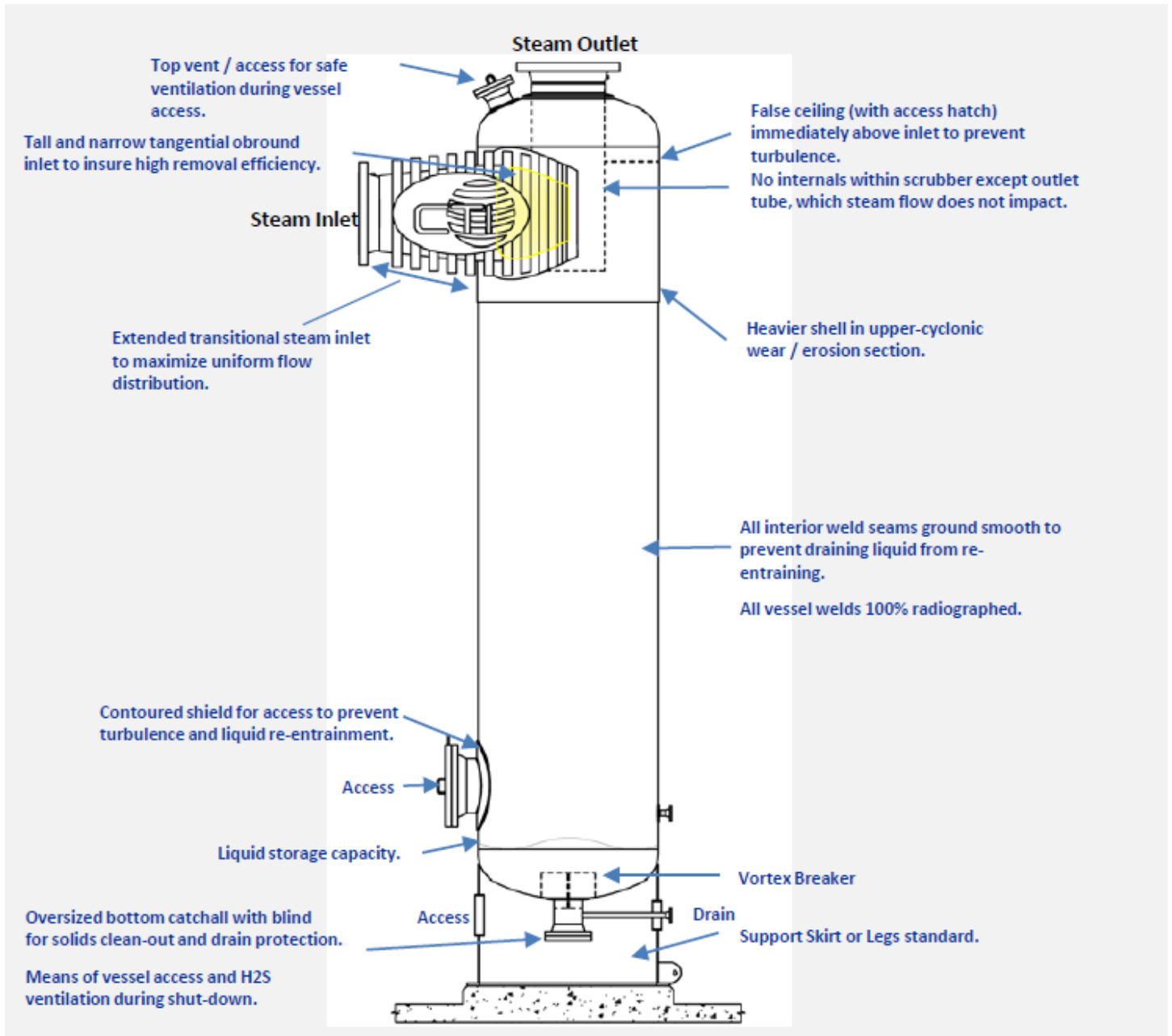
COASTAL
TECHNOLOGIES, INC.

Geothermal & Power Industry



AIROL® MIST ELIMINATORS

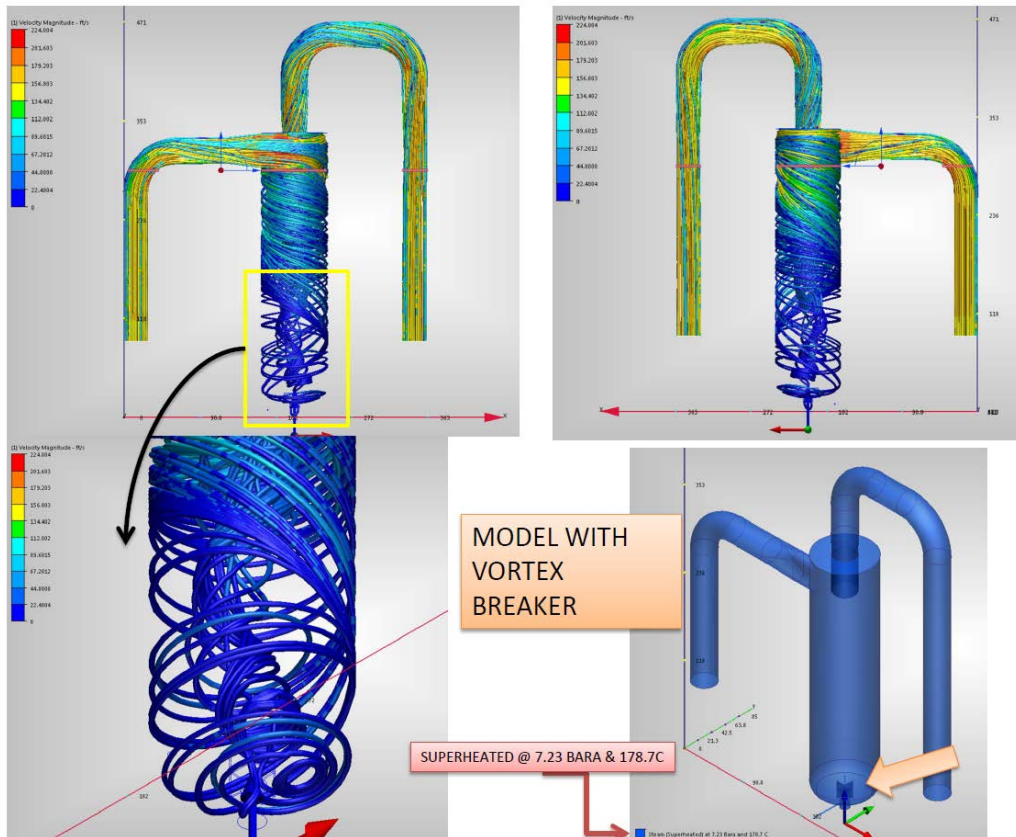
MIST ELIMINATION AND SEPARATION... SOLUTIONS YOU CAN TRUST



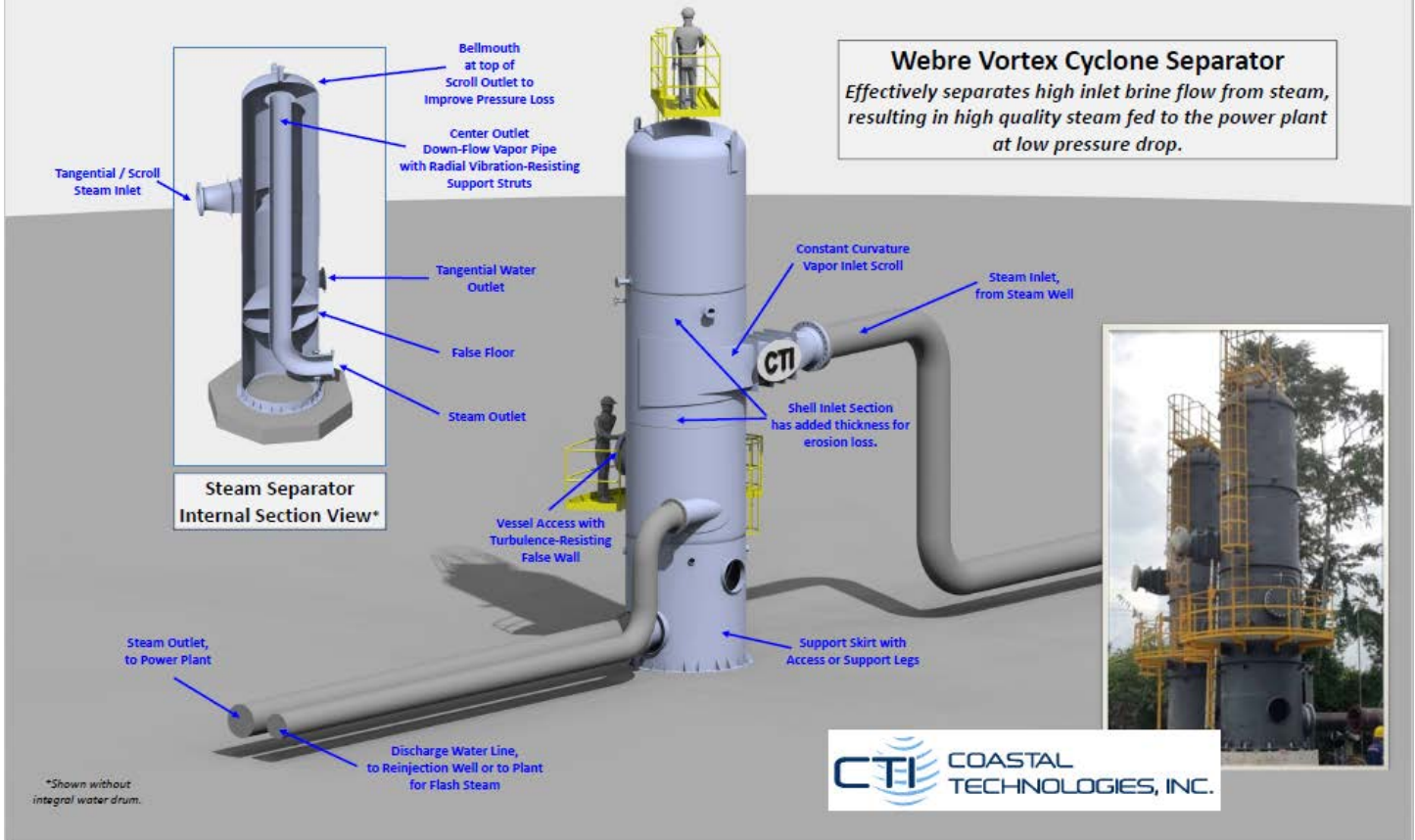
AIROL® VORTEX CYCLONE STEAM SCRUBBER

Steam with water droplets is forced into circular cyclonic motion by the top tangential inlet. Steam spirals downward toward the base of the unit as centrifugal force moves the droplets, and any solids, to the side walls. The water falls out and steam reverses up through the outlet tube.

- ✚ Steam Inlet Quality typically 96% - 99%.
- ✚ Steam Outlet Quality typically 99.95% - 99.98%.
- ✚ Pressure Drop typically 0.1 – 0.3 bar.
- ✚ Materials of Construction per specifications.
- ✚ ASME designed.
- ✚ Code stamped.
- ✚ *Platforms and ladders supplied as optional.*



AIROL® VORTEX CYCLONE STEAM SEPARATOR



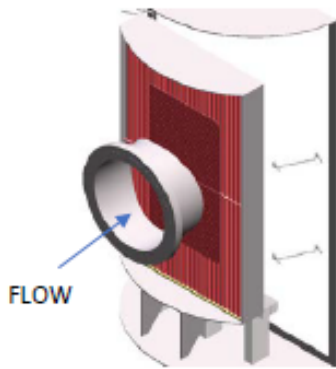
Water and steam is forced into circular cyclonic motion as a result of the mid-level tangential constant curvature inlet. Water spirals downward toward the tangential water outlet at the base. Steam spirals upward with centrifugal force moving remaining droplets to the side walls, where it drains down to the base. Steam continues to cyclonically spin to the top where it reverses flow and moves down the steam outlet pipe.

Scrubber and Separator Installation

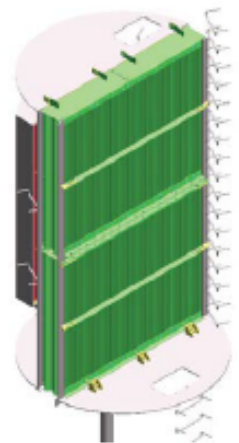
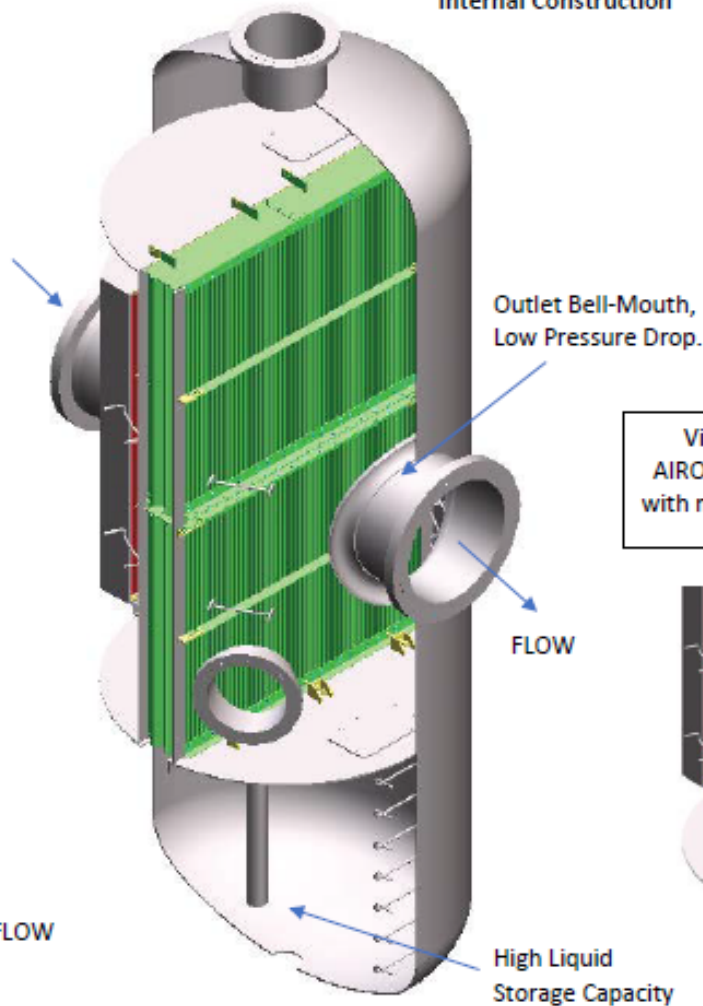
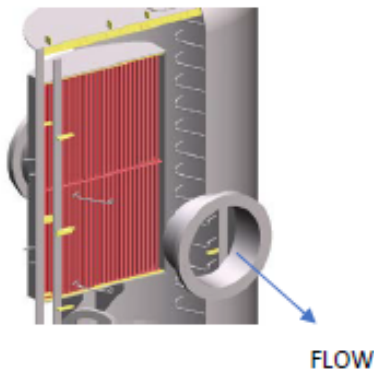


AIROL® Vertical 2-Stage Diffuser and Chevron Steam Scrubber

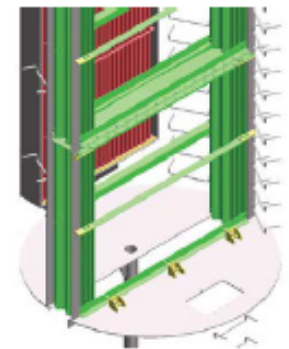
- High Steam Quality
- Low Pressure Drop
- Proven Heavy Duty Internal Construction



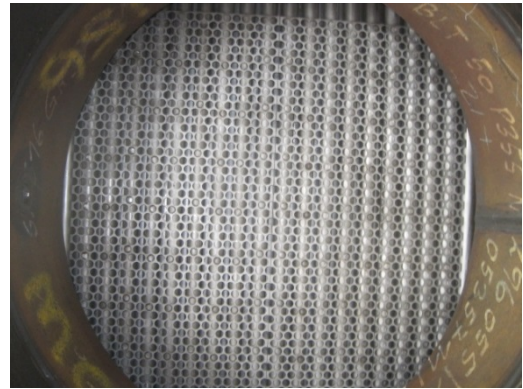
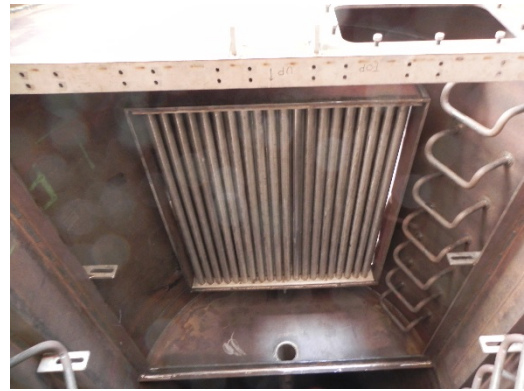
Views of First Stage
AIROL® Multi-Pipe Diffuser,
with Perforated Plate.



Views of Second Stage
AIROL® 440HX100 Chevrons
with mid-level drainage sump.



Steam Scrubber
Internal Section View





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AIROL® VORTEX CYCLONE SCRUBBERS

- CFD Modeling as required
- FEA as required
- International Fabrication

AIROL® VORTEX CYCLONE SEPARATORS

- Well-head
- Plant

AIROL® 2-STAGE MULTI-PIPE DIFFUSER AND AIROL® CHEVRON VANE MIST ELIMINATORS

- Vertical
- Horizontal



Mail: PO Box 624 Hampton, SC 29924
78 South Rentz Street Varnville, SC 29944
Ph: (803) 943-4822; Fax: (803) 943-4744
Email: sales@cti-sc.com; www.cti-sc.com