



Sour Condensate Stabilizer Package

Application:	Liquid vapour pressure and H ₂ S control
Objective:	Sweeten the condensate and reduce its vapour pressure to allow atmospheric tank storage.
Design Challenges:	Direct firing of reboiler necessitated special care in its design to ensure heat transfer and hydraulic performance. Optimizing footprint to accommodate direct fired reboiler on skid.
Compass Solution:	Proprietary reboiler design, natural draft for low power consumption, mounted on skid for single lift design.

Major Equipment Specifications

Exchangers:

Feed/Bottoms = Shell/coil – JAD 6.5

Reboiler – direct fired 586 kW (2 MMBTU/hr), 1829 MM OD x 6705mm long, (72" x 22 ft.)

Product Cooler:

AXH Air-Coolers 54-ZF

Vessels and Towers:

20" OD x 24" long, fixed 3 phase weir

Other Features:

Feed Drum – 1219mm OD x 6096 mm S/S (48" OD x 20 ft. S/S)

Tower – 610 mm OD x 13716 mm S/S (24" x 45 ft. S/S) with 20 trays

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