

SECTION 5.0 VESSEL SUMMARY

5.1 T-6400 De-Butanizer Tower

Vertical 914 mm x ID x 22554 mm S/S
1792 kPag @ -28.8 / 232 °C, 1.59 mm C.A.
c/w Vortex breaker at HC outlet.

Shell and Heads: SA-516-70

ASME Code construction

AB Registration

c/w 30 trays

Complete with inlet and inlet distributor and Mist Eliminator at the Top,

Tower will be shipped loose.

(2) – 508 mm MW

The Tower includes the supply of one (1) 180 Degree Platform, one (1) 90 Degree midplatform with caged ladders on the 36 inch by 74 foot tall De-Butanizer Tower.

5.2 V-6440 De-Butanizer Reflux Drum

Horizontal 2-Phase Separator

1372 mm x OD x 3810 mm S/S

1793 kPag @ -28.8 / 149 °C, 1.59 mm C.A.

c/w Inlet Diverter, (1) Vortex Breaker at HC outlet, fixed 508 mm OD – 300 ANSI

Manway

Shell and Heads: SA-516-70

ASME Code construction

AB Registration

SECTION 6.0 EXCHANGER SUMMARY

6.1 E-6410, Stabilizer Reboiler

Shell and Tube, Style BKU

508 mm x 762 mm O.D. x 7620 mm FOF/SS

TS/SS: 1793 kPag @ -28.8/260/232°C, 1.59 mm C.A.

TS Connections In/Out: 114 mm – 300 ANSI

SS Connections: In (2) 114 mm – 300 ANSI, Out (2) 168 mm – 300 ANSI

TEMA C code construction

AB Registration

19 mm O.D. SA-179, 14 BWG smls U-tubes

6.2 E-6430 De-Butanizer Reflux Condenser

In Common frame with E-6420 – Condensate Cooler

Air-X-Ltd Model 96A-ZZF (3.048 m wide x 7.315 m long), complete with Two (2)
20 HP 460/3/60 XP, 1800 rpm, motor, V-belt drive.

- Bundle – 0.75" O.D. – 16 BWG, SA-179, Carbon Steel tubes

- top automatic louver c/w integral hail guard

- Explosion Proof Murphy Vibration Switches.

AB and BC Registration

Debutanizer Condenser Cooler Bundle

Design: 1792 kPag @ -28.8/204°C, 0.0625 inch C.A.

ASME code construction, 0.0625" C.A. Full X Ray on Nozzles

6.3 E-6420 Condensate Cooler

In Common frame with E-6430 – Reflux Condenser

- top manual louvers c/w integral hail guard

- Bundle – 1" O.D. – 14 BWG, SA-179, Carbon Steel tubes

AB and BC Registration

Customer:
Project: Q14-0394

October 9, 2014



Subject: DEBUTANIZER PACKAGE — Doe Creek Sour Gas Plant

Product Cooler Bundle

Design: 1793 kPag @ -40 / 232° C, 0.0625 inch C.A.

ASME code construction, 0.0625" C.A. Full X-Ray on Nozzles