



Process Skid

COMPASS MODEL NO: PROCESS EQUIPMENT

Application:	Vessel and Exchanger Skid for Refrigeration. Addition of "Economized 2nd and 3rd Stage Suction" for increased Chilling Duty.
Objective:	Equipment addition was added to an existing order. The addition of the Economized Flow to 2nd and 3rd stage increased the chilling duty by 50% without the addition of any increased HP consumption.
Design Challenges:	Integration of new equipment into site with existing refrigeration equipment & use of free issued equipment and Compass procured equipment.
Compass Solution:	Close consultation with client and engineering contractor. Cost plus contract administered by Compass, final cost of the associated equipment was approx. 10% below projected costs of original estimate. This was achieved through tight project management, design and shop execution.

Major Equipment Specifications

Exchangers:

5 x shell and coil exchangers for cooling process propane and butane and fuel gas. Economized "Thermal Siphons" were used.

Control Panel:

Allan Bradley PLC based Micro Logix controller

Vessels:

- 1829mm OD x 3658mm S/S (72" OD x 12ft S/S) flash vessel
- 1829mm OD x 4267mm S/S (72" OD x 14ft S/S) flash vessel
- 914mm OD x 2438mm S/S (36" OD x 8ft S/S) vessel

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