



## Sour Vapor Recovery Compressor Package

Compass Model No: EM400-VR2-Dual

<b>Application:</b>	Design and supply a sour vapor recovery unit for a tank farm expansion project.
<b>Location:</b>	Fort McMurray, AB
<b>Objective:</b>	To provide an economical process design, and an engineered and reliable equipment selection to meet an aggressive budget structure and timeline.
<b>Design Challenges:</b>	Build a skid-mounted sour vapor recovery unit with 2 x 50% capacity units with stringent specifications.
<b>Compass Solution:</b>	To design and build a two-stage, dual train compressor package complete with a pre-cooler, common suction scrubber, inter-stage scrubber, common cooler structure with pre-cooler, IC and AC which could be isolated to run either train A or B.

### Major Equipment Specifications

**Compressor:**

- (2) Stage 1: 50% Ro-Flo Model 17L
- (2) Stage 2: 50% Ro-Flo Model 217M

**Driver:**

- (2) 400 HP @ 720 rpm, WEG Motors, 575V/3Ph/60Hz,

**Air Cooler:**

- (1) AXC Air Cooler, Model 842Z-R

**Control Panel:**

- (1) Spartan DELTA V control panel (off-skid in E-House)
- (1) Spartan DELTA V HMI panel (located in VRU bldg.)

**Other Features:**

- 7% sour
- Built to Oil Sands specifications
- (1) O2 Analyzer
- (1) Pre-cooler
- (1) Discharge Oil Separator