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COMPRESSOR SYSTEM

The Spiral X BTEX emission system is used where 100% capture of emissions is required or there is a high-pressure flare or pipeline that can receive the gases. The basic principle of this system is varying the speed of a rugged vane compressor as a function of the output of the dehy still column. The still column output is sent through a pre-cooler / condenser, then the dried gases are compressed and sent down stream up to 80 psig.

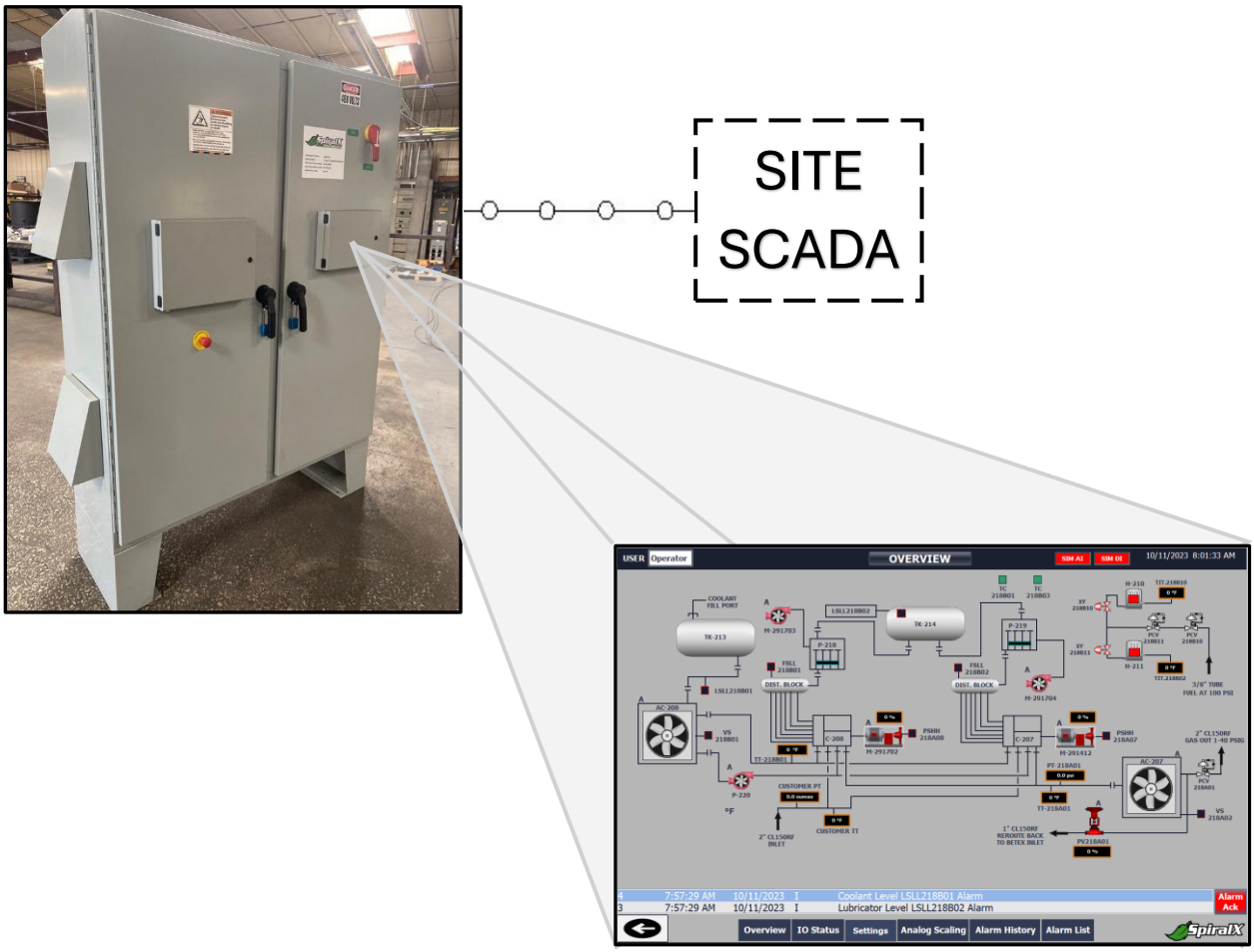
1. The system comes with either a single compressor (single-stage), or two compressors in parallel (redundancy), each with its own application depending on the user's needs.
    - Single-stage: Pressure ratings up to 80 PSI used to send BTEX to a flare for destruction or back into upstream lines for 100% capture.
    - Redundancy: Designed for safety backup and more convenient maintenance while reducing downtime.
2. The feedback loop for BTEX exhaust eliminates the need for a means of destruction, avoiding the need for extra emissions elimination permits.
3. The feedback loop design ensures 100% VOC containment for more contained operation, and decreased downtime with the backup redundancy design.
4. The Spiral X compressor skids use a 30" separator vessel and electric operated pumps to remove condensate during normal and upset conditions.
5. The Spiral X compressor skids include a complete variable frequency drive (VFD) panel for automated process control.

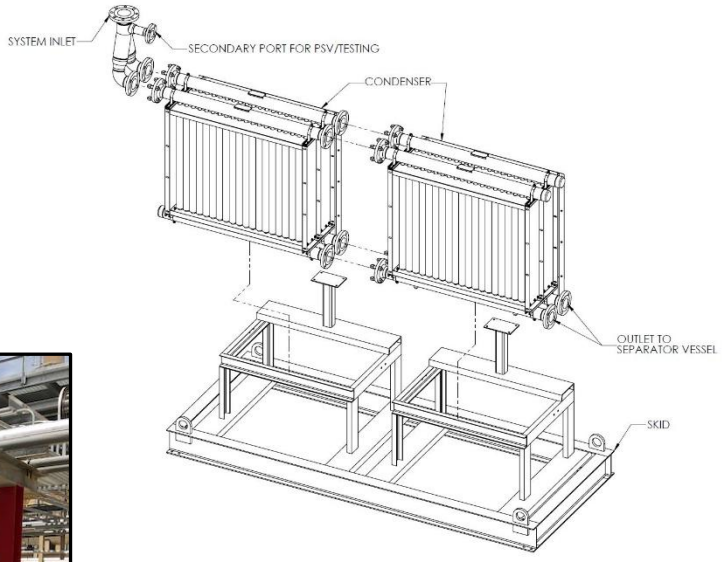
Standard components:

- RoFlo sliding vane compressors, sized for site-specific application.
- SLOAN lubrication system
- Gardner Denver pump (electric)
- Fisher regulators
- Versa pilot valves
- AMOT thermostat control valves
- VEGA electric instrument controls (Rosemount upgrade available)

Features:

- Fully equipped, UL 508a certified control panel with compatibility across all major SCADA systems.
- Liquid level, pressure, and temperature transmitters at all major sections for in-depth monitoring and control.
- Emergency shutdown and status signals on all upset scenarios for increased safety and compliance reporting.
- Rated for Class I, Div. I or II, Group D.
- Regeneration capability ranges from 200,000 - 3.5MM BTU/hr.





Size will vary based on capacity needs.