3" Truck Loading LACT Unit

Made in the USA!

SPECIFICATIONS:

- Unit Type: Truck Loading LACT
- Product: Crude Oil
- Flow Rate: 310 GPM
- Discharge Pressure: 50 PSI (at pump outlet)
- Density: 40 API Gravity
- NPSHr: 5.91 ft.
- 4" KF ANSI 150# Full Port Floating Ball Valve.
- 4" Basket Strainer with stainless steel removable basket for maintenance purposes. Bottom drain piped to drain box.
- Griswold 3 x 2 -13 Centrifugal pump, 20 HP motor. 310 GPM, 50 PSI, 1800 RPM.
- 3" Invalco WCM 7300 BS&W Monitor to test water content in product. Connected to the divert valve and divert line.
- Armstrong 11-AV Air Eliminator, discharge piped to drain box.
- 3" Koflo 2-element static mixer, specifically designed for low pressure drop.
- Sampling Solenoid with volume regulator for periodic sampling based on current flow rate.

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- Sample Skid with 15 gallon sample pot, centrifugal mixing motor, site glass, piping, static mixer, and return line to suction side of basket strainer.
- 3″ ANSI 150# 3-way Divert Valve with ASCO Hydramotor actuator.
- Included in the divert line are a 3″ wafer style check valve, 3″ standard port isolation ball valve, and reduced orifice plate for back pressure.
- 2″ ANSI 150# FMC Technologies Proline Promass Model 83F Coriolis Meter. Dual pulse outputs for simultaneous direct connection to both flow computer and prover. Configurable screen and output parameters.
- Pressure Gauge, 4.5″ dial face, 0-300 PSI.
- FMC Technologies platinum 4-wire RTD connected to flow computer for temperature compensation.
- Thermowell for 3″ piping.
- (2) 3″ ANSI 150# KF Floating Point Full Port Ball Valve for proving loop.
- 3″ ANSI 150# KF Trunnion Mounted Full Port Double Block and Bleed Valve for closing flow through the sales line during proving operations.
- (2) 1/2″ ball valves for drainage of prover piping.
- (2) 3″ Cam Lock fittings on end of prover connections.
- 3″ ANSI 150# diaphragm style back pressure valve with adjustable spring.
- 3″ Balon wafer style check valve.
- 3″ 150# KF Standard Port Floating Ball Valve for skid isolation.
- On-skid control panel containing motor starter, transformer, external ethernet connection and necessary wiring with indication lights for pump status, divert status and system errors.
- FMC Technologies microLoad.net Flow Computer for automated skid operations. Includes remote connectivity, volume flow data storage and temperature compensation algorithms.

SKID:

- Open channel steel base approximately 8′ x 12′.
- On-skid drain box with cover for proving connections and discharge lines.

TESTING:

- Electrical connectivity and FAT testing.
- 5% radiography testing for welds in accordance with B31.3.
- Hydrostatic testing of pipe spool pieces to 1.5 times design pressure.
- Liquid flow test of complete system prior to shipment.

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