

FRAC SEPARATOR

UNIT: FS214

PERFORMANCE

| | |
|--|---|
| Maximum Operating Pressure (limited to PSV set pressure) | 500 psi (1,447 kPa) |
| Minimum/Maximum Rated Operating Temperature of Vessel | -20°F/250°F (-29°C/121°C) |
| Liquid Storage Capacity | 111 bbl (17.8 m ³) |
| Maximum Gas Flow Rate @ 90% Maximum pressure | 28.69MMscfd 854.19 (e ³ m ³ /d) |
| Maximum Liquid Rate (operating ½ full) | 61,360 bbl/day (9,755.5 (m ³ /day) |
| Liquid Retention Time at maximum flow rate | 1.3 minute |
| Flometer max Gas Flow rate @ 90% Maximum pressure | 28.69MMscfd 854.19 (e ³ m ³ /d) |
| Pressure Relief Valves Max Flow Rate | 26.06 MMscfd 737.9(e ³ m ³ /d) |
| System Maximum Gas Rate (limited by PSV) | 26.06 MMscfd 737.9(e ³ m ³ /d) |

VESSEL DIMENSIONS

| | |
|------------|--------------------|
| Diameter | 6'-0" (1829 mm) |
| Length S/S | 19'- 11" (6071 mm) |

FLUID TRANSFER SIZE & PRESSURE RATING

| | |
|---------------------------|----------------------|
| Inlet size | 6 in. (229 mm) |
| Inlet pressure rating | 500 psig (3,447 kPa) |
| Gas Outlet | 4 in. (101.6 mm) |
| Oil Outlet size | 3 in. (76.2 mm) |
| Water outlet size | 3 in. (76.2 mm) |
| Outlet's pressure ratings | 500 psig (3,447 kPa) |

FLOW INSTRUMENTATION

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|-----------------------|---------------------------------|
| Gas Meter | 4 in. (101.6 mm) Senior Daniels |
| Back Pressure | 3" Groove Control Valve |
| Dump Valve | Manual |
| Differential Recorder | Barton |

SHIPPING DIMENSIONS

| | |
|-----------------|------------------------|
| Width | 9 ft 6 in (2.89 m) |
| Length | 37 ft (11.28 m) |
| Height | 11 ft 5 in (3.48 m) |
| Weight Estimate | 41,000 lbs (18,597 kg) |

CERTIFICATION

| | |
|-----------------------------|-----------------------|
| Vessel | ASME Sec. VIII Div. 1 |
| Piping | ASME B31.3 |
| Province(s) of Registration | AB |
| Sour Service NACE Standard | MR0175 |

