

HORIZONTAL SEPARATOR

UNIT: R1130

PERFORMANCE

| | |
|---|---|
| Maximum Operating Pressure | 1440 psi (9,928 kPa) |
| Minimum/Maximum Rated Operating Temperature of Vessel | -20°F/100°F (-29°C/38°C) |
| Liquid Storage Capacity (Operating @ 50%) | 12.2 m ³ (76.5 bbl) |
| Maximum Vessel Gas Flow Rate @ 1,440 psi (9,928 kPa) Pressure | 7,062 e ³ m ³ /d (250 mmscfd) |
| Maximum Vessel Water Rate based on 3-minute residence time | 2,544 m ³ /d (16,000 bpd) |
| Maximum Piping Gas Flow Rate @ 1,440 psi (9,928 kPa) | 3,842 e ³ m ³ /d (136 mmscfd) |
| Maximum Piping Liquid Flow Rate @ 1,440 psi (9,928 kPa) | 4,712 m ³ /d (29,636 bpd) |
| Pressure Relief Valves Max Flow Rate | 3,437 m ³ /min (121,387 SCFM) |
| System Maximum Gas Rate (limited by piping) | 3,842 e ³ m ³ /d (136 mmscfd) |

VESSEL DIMENSIONS

| | |
|--------------------------|----------------------|
| Vessel Diameter ID | 84" (2133.6 mm) |
| Vessel Length S/S | 240" (6096 mm) |
| Inlet Nozzle Size | CL600 12" (323.8 mm) |
| Gas Outlet Nozzle Size | CL600 12" (323.8 mm) |
| Water Outlet Nozzle Size | CL600 4" (114.3 mm) |
| Oil Outlet Nozzle Size | CL600 4" (114.3 mm) |

SKID CONNECTIONS

| | |
|----------------------------------|----------------|
| Connection Inlet Size | 12" (323.8 mm) |
| Connection Gas Outlet Size | 12" (323.8 mm) |
| Connection Water/Oil Outlet Size | 6" (168.3 mm) |

FLOW INSTRUMENTATION

| | |
|-----------------------|---------------|
| Gas Meter | Not Installed |
| Condensate Meter x 2 | Turbine |
| Water Meter | Not Installed |
| Differential Recorder | Not Installed |

SHIPPING DIMENSIONS

| | |
|-----------------|-------------------------|
| Width | 16' – 9" (5.11 m) |
| Length | 40' – 0" (12.19m) |
| Height | 13' – 0" (3.96 m) |
| Weight Estimate | 144,000 lbs (65,317 kg) |

CERTIFICATION

| | |
|-----------------------------|-----------------------|
| Vessel | ASME Sec. VIII Div. 1 |
| Piping | ASME B31.3 |
| Province(s) of Registration | AB, BC, SK |
| Sour Service | Yes |

