

**FRAC SEPARATOR**

**UNIT: FS56**

**PERFORMANCE**

|  |   |
|--|---|
| Maximum Operating Pressure (limited to PSV set pressure) | 675 psi (4,654 kPa)                                 |
| Minimum/Maximum Rated Operating Temperature of Vessel    | -50°F/200°F (-46°C/93.3°C)                          |
| Liquid Storage Capacity                                  | 76.9 bbl (12.23 m <sup>3</sup> )                    |
| Maximum Gas Flow Rate @ 90% Maximum pressure             | 26.23 MMscfd (743 e <sup>3</sup> m <sup>3</sup> /d) |
| Maximum Liquid Rate (operating ½ full)                   | 54,500 bbl/day (8,664 m <sup>3</sup> /day)          |
| Liquid Retention Time at maximum flow rate               | 1 minute  |
| Flometer max Gas Flow rate @ 90% Maximum pressure        | 34.96 MMscfd (990 e <sup>3</sup> m <sup>3</sup> /d) |
| Pressure Relief Valves Max Flow Rate                     | 26.23 MMscfd (743 e <sup>3</sup> m <sup>3</sup> /d) |
| System Maximum Gas Rate (limited by PSV)                 | 26.23 MMscfd (743 e <sup>3</sup> m <sup>3</sup> /d) |

**VESSEL DIMENSIONS**

|            |               |
|------------|---------------|
| Diameter   | 60" (1524 mm) |
| Length S/S | 20' (6096 mm) |

**FLUID TRANSFER SIZE & PRESSURE RATING**

|                           |                      |
|---------------------------|----------------------|
| Inlet size                | 6" (152.4 mm)        |
| Inlet pressure rating     | 675 psig (4,654 kPa) |
| Gas Outlet                | 6" (152.4 mm)        |
| Oil Outlet size           | 4" (101.6 mm)        |
| Water outlet size         | 4" (101.6 mm)        |
| Outlet's pressure ratings | 675 psig (4,654 kPa) |



**FLOW INSTRUMENTATION**

|                       |                              |
|-----------------------|------------------------------|
| Gas Meter             | 4" (101.6 mm) Senior Daniels |
| Back Pressure         |                              |
| Dump Valve            |                              |
| Differential Recorder | Barton                       |

**SHIPPING DIMENSIONS**

|                 |                       |
|-----------------|-----------------------|
| Width           | 8' 6" (2.74 m)        |
| Length          | 37.5' (11.43 m)       |
| Height          | 11.5' (3.5 m)         |
| Weight Estimate | 40,000 lbs (18144 kg) |

**CERTIFICATION**

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