

**FRAC SEPARATOR**
**UNIT: FS053**
**PERFORMANCE**

Maximum Operating Pressure (limited to PSV set pressure)	1,440 psi (9,930 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-50°F/120°F (-46°C/49°C)
Liquid Storage Capacity	48 bbl (7.87 m <sup>3</sup> )
Maximum Gas Flow Rate @ 90% Maximum pressure	125 MMscfd (3,531 e <sup>3</sup> m <sup>3</sup> /d)
Maximum Liquid Rate (operating ½ full)	6,000 bbl/day (954 m <sup>3</sup> /day)
Liquid Retention Time at maximum flow rate	3 minutes
Flometer max Gas Flow rate @ 90% Maximum pressure	TBC MMscfd ( e <sup>3</sup> m <sup>3</sup> /d)
Pressure Relief Valves Max Flow Rate	47.9 MMscfd (1,353 e <sup>3</sup> m <sup>3</sup> /d)
System Maximum Gas Rate (limited by PSV)	TBC MMscfd ( e <sup>3</sup> m <sup>3</sup> /d)

**VESSEL DIMENSIONS**

Diameter	55.5" ID (1,410 mm)
Length S/S	15'-0" (4.572 m)

**FLUID TRANSFER SIZE & PRESSURE RATING**

Inlet size	6" (152.4 mm)
Inlet pressure rating	1,440 psig (9,930 kPa)
Gas Outlet	6" (152.4 mm)
Oil Outlet size	3" (76.2 mm)
Water outlet size	3" (76.2 mm)
Outlet's pressure ratings	1,440 psig (9,930 kPa)

**FLOW INSTRUMENTATION**

Gas Meter	4" 600# Senior Daniels
Back Pressure	
Dump Valve	
Differential Recorder	

**SHIPPING DIMENSIONS**

Width	8'-6" (2.59 m)
Length	42' (12.8 m)
Height	10' (3.05 m)
Weight Estimate	TBC lbs (TBC kg)

**CERTIFICATION**

Vessel	ASME Sec. VIII Div. 1
Piping	ASME B31.3
Province(s) of Registration	BC, AB, SK
Sour Service NACE Standard	MR0175/ISO15156-1

