

**FRAC SEPARATOR**

**UNIT: FS48**

**PERFORMANCE**

Maximum Operating Pressure (limited to PSV set pressure)	1,440 psi (9,929 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-50°F/200°F (-46°C/93.3°C)
Liquid Storage Capacity	58.5 bbl (9.26 m <sup>3</sup> )
Maximum Gas Flow Rate @ 90% Maximum pressure	150 MMscfd (4,248 e <sup>3</sup> m <sup>3</sup> /d)
Maximum Liquid Rate (operating ½ full)	20,893 bbl/day (3,336 m <sup>3</sup> /day)
Liquid Retention Time at maximum flow rate	2 minutes
Flometer max Gas Flow rate @ 90% Maximum pressure	101 MMscfd (2,860 e <sup>3</sup> m <sup>3</sup> /d)
Pressure Relief Valves Max Flow Rate	52.56 MMscfd (1,489 e <sup>3</sup> m <sup>3</sup> /d)
System Maximum Gas Rate (limited by PSV)	52.56 MMscfd (1,489 e <sup>3</sup> m <sup>3</sup> /d)

**VESSEL DIMENSIONS**

Diameter	60" (1,524 mm)
Length S/S	15' (4.57 m)

**FLUID TRANSFER SIZE & PRESSURE RATING**

Inlet size	6" (152.4 mm)
Inlet pressure rating	2025 psig (13,962 kPa)
Gas Outlet	6" (152.4 mm)
Oil Outlet size	2" (50.8 mm)
Water outlet size	2" (50.2 mm)
Outlet's pressure ratings	2025 psig (13,962 kPa)



**FLOW INSTRUMENTATION**

Gas Meter	4" (101.6 mm) Senior Daniels
Back Pressure	3" Fisher HPT Control Valve
Dump Valve	2" Fisher D4
Differential Recorder	Barton

**SHIPPING DIMENSIONS**

Width	10' (3.05 m)
Length	40' (12.19 m)
Height	11' (3.35 m)
Weight Estimate	69,000 lbs (31,300 kg)

**CERTIFICATION**

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