

FRAC SEPARATOR
UNIT: FS11181
PERFORMANCE

Maximum Operating Pressure (limited to PSV set pressure)	2,000 psi (13,789 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-50°F/242°F (-46°C/116.6°C)
Liquid Storage Capacity	38 bbl (6.05 m ³)
Maximum Gas Flow Rate @ 90% Maximum pressure	46.4 MMscfd (1,314 e ³ m ³ /d)
Maximum Liquid Rate (operating ½ full)	26,871 bbl/day (4,272 m ³ /day)
Liquid Retention Time at maximum flow rate	1.3 minutes
Flometer max Gas Flow rate @ 90% Maximum pressure	36.8 MMscfd (2,713 e ³ m ³ /d)
Pressure Relief Valves Max Flow Rate	72.7 MMscfd (2,058 e ³ m ³ /d)

VESSEL DIMENSIONS

Diameter	54" (1,372 mm)
Length S/S	15' (4,572 mm)

FLUID TRANSFER SIZE & PRESSURE RATING

Inlet size	6" (152.4 mm)
Inlet pressure rating	2,000 psig (13,789 kPa)
Gas Outlet	4" (101.6 mm)
Oil Outlet size	2" (50.8 mm)
Water outlet size	2" (50.8 mm)
Outlet's pressure ratings	2,000 psi (13,789 kPa)


FLOW INSTRUMENTATION

Gas Meter	4" Senior Daniels Meter
Back Pressure	3" Fisher
Dump Valve	N/A
Differential Recorder	N/A

SHIPPING DIMENSIONS

Width	8' 6" (2.62 m)
Length	41' (12.5 m)
Height	10' 3" (3.14 m)
Weight Estimate	71,000 lbs. (32,205 kg)

CERTIFICATION

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

