

FRAC SEPARATOR
UNIT: FS043
PERFORMANCE

Maximum Operating Pressure (limited to PSV set pressure)	200 psi (1,380 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-50°F/200°F (-46°C/93.3°C)
Liquid Storage Capacity	111 bbl (17.6 m ³)
Maximum Gas Flow Rate @ 90% Maximum pressure	101 MMscfd (4,078 e ³ m ³ /d)
Maximum Liquid Rate (operating ½ full)	39,884 bbl/day (6,341 m ³ /day)
Liquid Retention Time at maximum flow rate	2 minutes
Flometer max Gas Flow rate @ 90% Maximum pressure	15.2 MMscfd (430.4 e ³ m ³ /d)
Pressure Relief Valves Max Flow Rate	15.26 MMscfd (432 e ³ m ³ /d)
System Maximum Gas Rate (limited by PSV)	15.26 MMscfd (432 e ³ m ³ /d)

VESSEL DIMENSIONS

Diameter	
Length S/S	

FLUID TRANSFER SIZE & PRESSURE RATING

Inlet size	6" (152.4 mm)
Inlet pressure rating	200 psig (1,380 kPa)
Gas Outlet	4" (101.6 mm)
Oil Outlet size	3" (76.2 mm)
Water outlet size	3" (76.2 mm)
Outlet's pressure ratings	200 psig (1,380 kPa)

FLOW INSTRUMENTATION

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

SHIPPING DIMENSIONS

Width	8' 6" (2.59 m)
Length	37' (11.3 m)
Height	11" (3.35 m)
Weight Estimate	40,000 lbs. (18,144 kg)

CERTIFICATION

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

