

FRAC SEPARATOR

UNIT: FS24

PERFORMANCE

Maximum Operating Pressure (limited to PSV set pressure)	200 psi (1,379 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-20°F/115°F (-28.9°C/46.1°C)
Liquid Storage Capacity	153 bbl (24.3 m ³)
Maximum Gas Flow Rate @ 90% Maximum pressure	136.9 MMscfd (3,877 e ³ m ³ /d)
Maximum Liquid Rate (operating ½ full)	55,109 bbl/day (8,762 m ³ /day)
Liquid Retention Time at maximum flow rate	2 Minutes
Flometer max Gas Flow rate @ 90% Maximum pressure	36.8 MMscfd (1,402 e ³ m ³ /d)
Pressure Relief Valves Max Flow Rate	35 MMscfd (991 e ³ m ³ /d)
System Maximum Gas Rate (limited by PSV)	35 MMscfd (991 e ³ m ³ /d)

VESSEL DIMENSIONS

Diameter	84" (2,134 mm)
Length S/S	20ft. (6.10 m)

FLUID TRANSFER SIZE & PRESSURE RATING

Inlet size	6" (152.4 mm)
Inlet pressure rating	200psig (1,379kPa)
Gas Outlet	6" (152.4 mm)
Oil Outlet size	3" (76.2 mm)
Water outlet size	3" (76.2 mm)
Outlet's pressure ratings	200 psi (1,379 kPa)

FLOW INSTRUMENTATION

Gas Meter	6" (152.4mm) Senior Daniels
Back Pressure	n/a
Dump Valve	n/a
Differential Recorder	Barton

SHIPPING DIMENSIONS

Width	9'5" (2.9 m)
Length	36' (10.9 m)
Height	11' (3.36 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

