

FRAC SEPARATOR

UNIT: FS023

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 (1,042 e ³ m ³ /d)
Pressure Relief Valves Max Flow Rate	22.1 MMscfd (625.8 e ³ m ³ /d)
System Maximum Gas Rate (limited by PSV)	22.1 MMscfd (625.8 e ³ m ³ /d)

VESSEL DIMENSIONS

Diameter	84 in ID (2,134 mm)
Length S/S	20 ft (6.10 m)

FLUID TRANSFER SIZE & PRESSURE RATING

Inlet size	6in (152.4 mm)
Inlet pressure rating	200 psi (1379 kPa)
Gas Outlet	6 in (152.4 mm)
Oil Outlet size	3 in (76.2 mm)
Water outlet size	3 in (76.2 mm)
Outlet's pressure ratings	200 psi (1,379 kPa)

FLOW INSTRUMENTATION

Gas Meter	6 in (152.44 mm) Daniel's Senior
Differential Recorder	Barton

SHIPPING DIMENSIONS

Width	9.75 ft (2.97 m)
Length	40 ft (12.2 m)
Height	11 ft (3.36 m)
Weight Estimate	37,370 lbs (16,950 kg)

CERTIFICATION

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

