

FRAC SEPARATOR

UNIT: FS215

PERFORMANCE

Maximum Operating Pressure (limited to PSV set pressure)	500 psi (1,447 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-20°F/250°F (-29°C/121°C)
Liquid Storage Capacity	111 bbl (17.8 m ³)
Maximum Gas Flow Rate @ 90% Maximum pressure	28.69MMscfd 854.19 (e ³ m ³ /d)
Maximum Liquid Rate (operating ½ full)	61,360 bbl/day (9,755.5 (m ³ /day)
Liquid Retention Time at maximum flow rate	1.3 minute
Flometer max Gas Flow rate @ 90% Maximum pressure	28.69MMscfd 854.19 (e ³ m ³ /d)
Pressure Relief Valves Max Flow Rate	26.06 MMscfd 737.9 (e ³ m ³ /d)
System Maximum Gas Rate (limited by PSV)	26.06 MMscfd 737.9 (e ³ m ³ /d)

VESSEL DIMENSIONS

Diameter	6'-0" (1829 mm)
Length S/S	19'-11" (6071 mm)

FLUID TRANSFER SIZE & PRESSURE RATING

Inlet size	6 in. (229 mm)
Inlet pressure rating	500 psig (3,447 kPa)
Gas Outlet	4 in. (101.6 mm)
Oil Outlet size	3 in. (76.2 mm)
Water outlet size	3 in. (76.2 mm)
Outlet's pressure ratings	500 psig (3,447 kPa)

FLOW INSTRUMENTATION

Gas Meter	4 in. (101.6 mm) Senior Daniels
Back Pressure	3" Groove Control Valve
Dump Valve	Manual
Differential Recorder	Barton

SHIPPING DIMENSIONS

Width	9 ft 6 in (2.89 m)
Length	37 ft (11.28 m)
Height	11 ft 5 in (3.48 m)
Weight Estimate	41,000 lbs (18,597 kg)

CERTIFICATION

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

