

FRAC SEPARATOR

UNIT: FS254

PERFORMANCE

Maximum Operating Pressure (limited to PSV set pressure)	200 psi (1,380 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-20°F/400°F (-28.9°C/204°C)
Liquid Storage Capacity	100 bbl (16 m ³)
Maximum Gas Flow Rate @ 90% Maximum pressure	24.8 MMscfd (699 e ³ m ³ /d)
Liquid Retention Time at maximum flow rate	2 minute
System Maximum Gas Rate (limited by meter run)	13 MMscfd (366 e ³ m ³ /d)
Pressure Relief Valves Max Flow Rate	24.8 MMscfd (699 e ³ m ³ /d)

VESSEL DIMENSIONS

Diameter	84" ID (2134 mm)
Length S/S	12' (3.66 m)

FLUID TRANSFER SIZE & PRESSURE RATING

Inlet size	4" (101.6 mm)
Inlet pressure rating	285 psi (1,965 kPa)
Gas Outlet	4" (101.6 mm)
Oil Outlet size	4" (101.6 mm)
Water outlet size	3" (76.2 mm)
Outlet's pressure ratings	200 psi (1,379 kPa)

FLOW INSTRUMENTATION

Gas Meter	4" (101.6 mm) Daniels Senior
Differential Recorder	Barton

SHIPPING DIMENSIONS

Width	8.2" (2.5 m)
Length	30' (9.1 m)
Height	12.2' (3.7 m)
Weight Estimate	33,000 lbs (15,000 kg)

CERTIFICATION

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



AUXILLARY EQUIPMENT

Pumps (2)	3" x 4" Demco
Motor	Baldor 10hp, 230/460 Volt, 27.2/13.6 Amps, RPM1760
Switches	Allen Bradley, 10 hp, 600 Volt, 3 Phase, Class 2 Group CDEFG
Electrical Connections	2 x 30 Amp, 250 VDC/600VAC cord connection, 4 wire 4 pole Receptacle
Light Fixture	2 x 15 Amp, 110 Weatherproof NRL 80 plug, male plug