

FRAC SEPARATOR

UNIT: FS460

PERFORMANCE

Maximum Operating Pressure (limited to PSV set pressure)	675 psi (4,654 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-50°F/200°F (-46°C/93.3°C)
Liquid Storage Capacity	58.29 bbl (9.26 m ³)
Maximum Vessel Gas Flow Rate	107 MMscfd (3,015 e ³ m ³ /d)
Maximum Liquid Rate (operating ½ full)	42,000 bbl/day (6,674 m ³ /day)
Liquid Retention Time at maximum flow rate	1 minute
Maximum Gas Flow Rate with 4" Orifice Meter Run	28.62 MMscfd (806 e ³ m ³ /d)
Pressure Relief Valves Max Flow Rate	31.03 MMscfd (8874 e ³ m ³ /d)
System Maximum Gas Rate (limited by PSV)	31.03 MMscfd (874 e ³ m ³ /d)

VESSEL DIMENSIONS

Diameter	60" (1524 mm)
Length S/S	15' (4,615 mm)

FLUID TRANSFER SIZE & PRESSURE RATING

Inlet size	6" (152.4 mm)
Inlet pressure rating	675 psi (4,654 kPa)
Gas Outlet	6" (152.4 mm))
Oil Outlet size	3" (76 mm))
Water Outlet size	3" (76 mm)
Solid Outlet size	4" (101.6 mm)
Pressure Relief Nozzles (2)	4" (101.6 mm)
Outlet's pressure ratings	675 psi (4,654 kPa)



FLOW INSTRUMENTATION

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

SHIPPING DIMENSIONS

Width	8' (2.44 m)
Length	33' 8" (10.26 m)
Height	11' 3" (3.43 m)
Weight Estimate	44,500 lbs. (20,250 kg)



CERTIFICATION

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