

## SEPARATOR

### FS-11182

#### HORIZONTAL FRAC SEPARATOR

Maximum Allowable Working Pressure (limited to PRV)	2,000 psig (13,789 kPag)
Maximum vessel gas flow rate*	113.3 MMscf/d (3,209 E <sup>3</sup> m <sup>3</sup> /d)
Pressure Relief Valve maximum flow rate	72.7 MMscf/d (2,058 E <sup>3</sup> m <sup>3</sup> /d)
Maximum system gas flow rate, at 90% M.A.W.P.	46.4 MMscf/d (1,314 E <sup>3</sup> m <sup>3</sup> /d)
Fluids retention time to obtain separation	1.3 minutes
Maximum vessel liquid storage capacity	38 bbl (6.05 m <sup>3</sup> )
Maximum vessel liquid rate operating at 50% capacity	26,871 bbl/d (4,272 m <sup>3</sup> /d)
Maximum vessel operating temperature	242°F (116.6°C)
Minimum vessel operating temperature	-50°F (-46°C)

\*alteration to system associated piping required

#### UNIT DIMENSIONS

Width	8 ft. 6 in (2.62 m)
Height	10ft. 3in (3.14 m)
Length	41 ft. (12.5 m)
Weight (estimate)	71,000 lbs. (32,205 kg)

#### FLUID TRANSFER SIZE AND PRESSURE RATING

Fluid inlet size	6 in (152.4 mm)
Inlet M.A.W.P.	2,000 psig (13,789 kPag)
Gas outlet size, Daniel Senior Orifice Meter	4 in (101.6 mm)
Liquid outlet size	2 in (50.8 mm)

#### FLOW INSTRUMENTATION

Barton DRI-FLO Chart Recorder  
3 in (76.2 mm) liquid turbine, impeller style  
Data Acquisition System compatible

#### CERTIFICATION

- ✓ Sour Service NACE Standard MR0175/ISO15156
- ✓ Vessel – ASME Section VIII Div. 1
- ✓ Associated Piping – ASME B31.3
- ✓ Alberta Boiler Safety Association

