

**HORIZONTAL SEPARATOR**

**UNIT: R1133**

**PERFORMANCE**

Maximum Operating Pressure	2160 psi (14,892 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-20°F/120°F (-28°C/48°C)
Liquid Storage Capacity (Operating @ 50%)	4.7 m <sup>3</sup> (29.9 bbl)
Maximum Vessel Gas Flow Rate @ 2,052 psi (14,147 kPa)	5,367 e <sup>3</sup> m <sup>3</sup> /d (190 mmscfd)
Maximum Vessel Water Rate based on 3 minute residence time	954 m <sup>3</sup> /d (6,000 bpd)
Maximum Piping Gas Flow Rate @ 2,052 psi (14,147 kPa)	3,326 e <sup>3</sup> m <sup>3</sup> /d (117 mmscfd)
Maximum Piping Liquid Flow Rate @ 2,052 psi (14,147 kPa)	475 m <sup>3</sup> /d (2,975 bpd)
Pressure Relief Valves Max Flow Rate	TBD
System Maximum Gas Rate (limited by PSV)	TBD

**VESSEL DIMENSIONS**

Vessel Diameter OD	60" (1524 mm)
Vessel Length S/S	240" (6096 mm)
Inlet Nozzle Size	CL900 10" (204 mm)
Gas Outlet Nozzle Size	CL900 10" (204 mm)
Water/Oil Outlet Nozzle Size	CL900 2" (60 mm)

**FLOW INSTRUMENTATION**

Gas Meter	Not Installed
Condensate Meter	Not Installed
Water Meter	MC2 + Totalizer
Fuel Gas Meter	Not Installed
Differential Recorder	Not Installed



**SHIPPING DIMENSIONS**

Width	13' – 6" (4.12 m)
Length	25' – 0" (7.62m)
Height	14' – 6" (4.42 m)
Weight Estimate	73,900 lbs. (33,520 kg)

**CERTIFICATION**

Vessel	ASME Sec. VIII Div. 1
Piping	ASME B31.3
Province(s) of Registration	AB, BC
Sour Service	Yes

