

HORIZONTAL SEPARATOR
UNIT: R1138
PERFORMANCE

Maximum Operating Pressure	1360 psi (9379 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-50°F/195°F (-46°C/90°C)
Liquid Storage Capacity (Operating @ 50%)	4.93 m ³ (31.0 bbl)
Maximum Vessel Gas Flow Rate @ 2,052 psi (14,147 kPa)	152 MMscfd (4,294 e ³ m ³ /d)
Maximum Vessel Water Rate based on 3 minute residence time	6,956 bbl/day (1,106 m ³ /day)
Maximum Piping Gas Flow Rate @ 2,052 psi (14,147 kPa)	3 minutes
Maximum Piping Liquid Flow Rate @ 2,052 psi (14,147 kPa)	35 MMscfd (987 e ³ m ³ /d)
Pressure Relief Valves Max Flow Rate	59.2 MMscfd (1,672 e ³ m ³ /d)
System Maximum Gas Rate (limited by PSV)	35 MMscfd (987 e ³ m ³ /d)

VESSEL DIMENSIONS

Vessel Diameter ID	54" (1372 mm)
Vessel Length S/S	240" (6096 mm)
Inlet Nozzle Size	CL600 6" (152 mm)
Gas Outlet Nozzle Size	CL600 6" (152 mm)
Water/Oil Outlet Nozzle Size	CL900 3" (76 mm)

FLOW INSTRUMENTATION

Gas Meter	4" 600# NuFlo V-Cone 2" 600# NuFlo V-Cone
Condensate Meter	2" 600# Turbine
Water Meter	2" 600# Turbine
Fuel Gas Meter	Not Installed
Differential Recorder	Not Installed


SHIPPING DIMENSIONS

Width	12' - 2" (3.71 m)
Length	37' - 0" (11.3m)
Height	11' - 0" (3.35 m)
Weight Estimate (Not Verified)	~50,000 lbs. (22,700 kg)

CERTIFICATION

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

