

HORIZONTAL SEPARATOR
UNIT: R1126
PERFORMANCE

Maximum Operating Pressure	1440 psi (9928 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-49°F/130°F (-45°C/54°C)
Liquid Storage Capacity	15 m ³ (93 bbl)
Maximum Vessel Gas Flow Rate @ 1368 psi (9434 kPa) Pressure	7,770 e ³ m ³ /d (275 mmscfd)
Maximum Vessel Condensate Rate based on 3 minute residence	1,430 m ³ (9,000 bpd)
Maximum Vessel Water Rate based on 3 minute residence time	1,430 m ³ (9,000 bpd)
Maximum Piping Gas Flow Rate @ 1368 psi (9434 kPa)	957,470 e ³ m ³ /d (500 mmscfd)
Maximum Piping Liquids Flow Rate @ 1368 psi (9434 kPa)	385 m ³ /d (2,418 bpd)
Pressure Relief Valves Max Flow Rate	9,328 SCFM
System Maximum Gas Rate (limited by PSV)	9,328 SCFM
Online Vessel Desander	Tore
Capacity (4 units @ 4 tons per hour sand removal)	16 tons/hour

VESSEL DIMENSIONS

Vessel Diameter	96" (2438 mm)
Vessel Length S/S	216" (5486 mm)
Inlet Nozzle Size	16" (406.4 mm)
Gas Outlet Nozzle Size	10" (273.1 mm)
Water/Oil Outlet Nozzle Size	6" (168.3 mm)

FLOW INSTRUMENTATION

Gas Meter	MVS
Condensate Meter	Not Installed
Water Meter	Not Installed
Fuel Gas Meter	N/A
Differential Recorder	Not Installed

SHIPPING DIMENSIONS

Width	18'-4" (5.59 m)
Length	40' 5 1/4" (12.32 m)
Height	19' 4 1/4" (5.9 m)
Weight Estimate	16,080 lbs. (7,293.76 kg)

CERTIFICATION

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

