

VERTICAL SEPARATOR
UNIT: R1121
PERFORMANCE

Maximum Operating Pressure	1440 psi (9928 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-20°F/130°F (-29°C/54°C)
Liquid Storage Capacity	1.1 m ³ (6.92 bbl)
Maximum Vessel Gas Flow Rate @ 100 psi (7) Pressure	To Follow
Maximum Vessel Condensate Rate based on 3 minute residence	To Follow
Maximum Vessel Water Rate based on 3 minute residence time	To Follow
Maximum Piping Gas Flow rate @ 100 psi (kPa)	462 e ³ m ³ /d (16.3 mmscfd)
Maximum Piping Condensate Flow Rate @ 100 psi (kPa)	746 m ³ /d (4690 bpd)
Maximum Piping Water Flow Rate @ 100 psi (kPa)	623 m ³ /d (3920 bpd)
Pressure Relief Valves Max Flow Rate	To Follow
System Maximum Gas Rate (limited by PSV)	To Follow

VESSEL DIMENSIONS

Vessel Diameter	36" (914 mm)
Vessel Length S/S	120" (3048 mm)
Inlet Nozzle Size	6" (168.3 mm)
Gas Outlet Nozzle Size	6" (168.3 mm)
Oil Outlet Nozzle Size	2" (60.3 mm)
Water Outlet Nozzle Size	2" (60.3 mm)

FLOW INSTRUMENTATION

Gas Meter	4" Daniel Senior
Condensate Meter	2" CL600 RF w/ 1" Bore Turbine
Water Meter	2" CL600 RF w/ 1" Bore Turbine
Fuel Gas Meter	Roots Meter Model 8C175B
Differential Recorder	MVS Sensor 205E, 0-250 DP

SHIPPING DIMENSIONS

Width	9'-8" (2.94 m)
Length	20' (6.09 m)
Height	13'-11" (4.24 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

