

VERTICAL SEPARATOR

UNIT: R115

PERFORMANCE

Maximum Operating Pressure	1440 psi (9928 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-20°F/100°F (-29°C/28°C)
Liquid Storage Capacity	307 m3 (1931 bbl)
Maximum Vessel Gas Flow Rate @ 1296 psi (8935kPa) Pressure	775 e3m3/day (27.39 mmscfd)
Maximum Vessel Condensate Rate based on 3 minute residence	153.5 m3/day (965.5 bbl)
Maximum Vessel Water Rate based on 3 minute residence time	153.5 m3/day (965.5 bbl)
Maximum Piping Gas Flow rate @ 1296psi (8935kPa)	498 e3m3/day (17.61 mmscfd)
Maximum Piping Condensate Flow Rate @ 1296psi (8935kPa)	569 m3/day (3578 bpd)
Maximum Piping Water Flow Rate @ 1296psi (8935kPa)	478.3 m3/day (3009 bpd)
Pressure Relief Valves Max Flow Rate	e3m3/day (mmscfd)
System Maximum Gas Rate (limited by PSV)	e3m3/day (mmscfd)

VESSEL DIMENSIONS

Vessel Diameter	30" (762 mm)
Vessel Length S/S	120" (3048 mm)
Inlet Nozzle Size	4" (114.3 mm)
Gas Outlet Nozzle Size	4" (114.3 mm)
Oil Outlet Nozzle Size	2" (60.3 mm)
Water Outlet Nozzle Size	2" (60.3 mm)



FLOW INSTRUMENTATION

Gas Meter	3" Daniel Senior
Condensate Meter	2" CL600 RF w/ 1" Bore Turbine
Water Meter	2" CL600 RF w/ 1" Bore Turbine
Fuel Gas Meter	????
Differential Recorder	Barton

VALVE DETAIL

	Make	Model	Serial Number	Size	Trim
Condensate	Norriseal	CL 600 RF		2"	3/8"
Water	Norriseal	CL 600 RF		2"	3/8"
Fuel Gas Meter	Dynaflor	CL 600 RF		3"	

PSV DETAIL

	Manufacturer	Model	Serial Number	Set Pressure	Size
Separator					
Fuel Gas Scrubber					

SHIPPING DIMENSIONS

Width	9' 6" (2.9 m)
Length	15' (4.6 m)
Height	9' 6" (2.9 m)
Weight Estimate	14,600 lbs. (6623 kg)

CERTIFICATION

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

