

VERTICAL SEPARATOR
UNIT: R128
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	0.85m3 (5.35 bbl)
Maximum Vessel Gas Flow Rate @ 1300 psi (8963kPa) Pressure	705 e3m3/day (24.9 mmscfd)
Maximum Vessel Condensate Rate based on 3 minute residence	183 m3/day (1538 bbl)
Maximum Vessel Water Rate based on 3 minute residence time	137 m3/day (1151 bbl)
Maximum Piping Gas Flow rate @ 1300psi (8963kPa)	504 e3m3/day (17.8 mmscfd)
Maximum Piping Condensate Flow Rate @ 1300psi (8963kPa)	550 m3/day (3459.7 bpd)
Maximum Piping Water Flow Rate @ 1300psi (8963kPa)	479 m3/day (3011.6 bpd)
Pressure Relief Valves Max Flow Rate	441e3m3/day (15.58 mmscfd)
System Maximum Gas Rate (limited by PSV)	441 e3m3/day (15.58 mmscfd)

VESSEL DIMENSIONS

Vessel Diameter	36" (914 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	3" (88.9 mm)
Water Outlet Nozzle Size	3" (88.9 mm)


FLOW INSTRUMENTATION

Gas Meter	3" Daniel Senior wired for MVS
Condensate Meter	2" Nuflo wired with MCIII Totalizer
Water Meter	2" Nuflo wired with MCIII Totalizer
Fuel Gas Meter	Roots Meter Model 8C175B
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"	3/4"
Fuel Gas Meter	Dynaflor	CL 600 RF		3"	

PSV DETAIL

	Manufacturer	Model	Serial Number	Set Pressure	Size
Separator	Ferris	26DA13L-120/LCN		9929 kPag	1" x 2"
Fuel Gas Scrubber	Taylor	82E3351311		689 kPa	1" x 1"

SHIPPING DIMENSIONS

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

CERTIFICATION

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

