

VERTICAL SEPARATOR

UNIT: R106

PERFORMANCE

Maximum Operating Pressure	740 psi (5102 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-20°F/100°F (-29°C/38°C)
Liquid Storage Capacity	34 m3/d
Maximum Vessel Gas Flow Rate @ 666 psi (4592 kPa) Pressure	169 e3m3/d
Maximum Vessel Condensate Rate based on 3 minute residence	23 m3/d
Maximum Vessel Water Rate based on 3 minute residence time	23 m3/d
Maximum Piping Gas Flow rate @ 666 psi (4592 kPa)	80 e3m3/d
Maximum Piping Condensate Flow Rate @ 666 psi (4592 kPa)	40m3/d
Maximum Piping Water Flow Rate @ 666 psi (4592 kPa)	40m3/d
Pressure Relief Valves Max Flow Rate	2686 SCFM
System Maximum Gas Rate (limited by PSV)	169 e3m3/d

VESSEL DIMENSIONS

Vessel Diameter	16" (406.4 mm)
Vessel Length S/S	60" (1524 mm)
Inlet Nozzle Size	2" (60.3 mm)
Gas Outlet Nozzle Size	2" (60.3 mm)
Oil Outlet Nozzle Size	1" (33.4 mm)
Water Outlet Nozzle Size	1" (33.4 mm)



FLOW INSTRUMENTATION

Gas Meter	2" Daniels Senior
Condensate Meter	1" CL600 w/ Turbine
Water Meter	1" CL600 w/ Turbine
Fuel Gas Meter	N/A
Differential Recorder	Bristol Babcock 3305

VALVE DETAIL

	Make	Model	Serial Number	Size	Trim
Condensate					
Water					
Fuel Gas Meter					

PSV DETAIL

	Manufacturer	Model	Serial Number	Set Pressure	Size
Separator	Taylor	82E7351311	6456-156	740 psig	1"x1"-0.212in2
Fuel Gas Scrubber	Taylor	82E7351311	10647-51	125 psig	1"x1"-0.212in2

SHIPPING

Width	10' (3.05m)
Length	18' (5.49m)
Height	N/A
Weight Estimate	10,000 lbs (4536 kg)

CERTIFICATION

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

