

**HORIZONTAL SEPARATOR**

**UNIT: R194**

**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	20 bbl (3.2 m <sup>3</sup> )
Maximum Vessel Gas Flow Rate @ 1300 psi (8960 kPa) Pressure	87 mmscf/d (2463 e3m <sup>3</sup> /d)
Maximum Vessel Condensate Rate based on 3 minute residence	5661 bbl/d (900 m <sup>3</sup> /day)
Maximum Vessel Water Rate based on 3 minute residence time	3774 bbl/d (600 m <sup>3</sup> /day)
Maximum Piping Gas Flow rate @ 1300 psi (8960 kPa)	1827.7 e <sup>3</sup> m <sup>3</sup> /d (64.7 mmscf/d)
Maximum Piping Condensate Flow Rate @ 1300 psi (8960 kPa)	752 m <sup>3</sup> /d (4730.6 bpd)
Maximum Piping Water Flow Rate @ 1300 psi (8960 kPa)	632.9 m <sup>3</sup> /d (3981.2 bpd)
Pressure Relief Valves Max Flow Rate	21950 scfm (Air) 27380 scfm (NG) (1116 e <sup>3</sup> m <sup>3</sup> /d) 39.4 mmscf/d
System Maximum Gas Rate (limited by PSV)	21950 scfm (Air) 27380 scfm (NG) 1116 e <sup>3</sup> m <sup>3</sup> /d 39.4 mmscf/d

**VESSEL DIMENSIONS**

Vessel Diameter	48" (1219 mm)
Vessel Length S/S	180" (4572 mm)
Inlet Nozzle Size	6" (168 mm)
Gas Outlet Nozzle Size	6" (168 mm)
Oil Outlet Nozzle Size	3" (88.9 mm)
Water Outlet Nozzle Size	3" (88.9 mm)

**FLOW INSTRUMENTATION**

Gas Meter	6" 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	



**VALVE DETAIL**

	Make	Model	Serial Number	Size	Trim
Condensate	Fisher	600#RF D-3		2"	1"
Water	Fisher	600#RF D-3		2"	1"
Fuel Gas Meter	Fisher	600#RF 667-ET		3"	

**HORIZONTAL SEPARATOR**

**UNIT: R194**

**PSV DETAIL**

	<b>Manufacturer</b>	<b>Model</b>	<b>Serial Number</b>	<b>Set Pressure</b>	<b>Size</b>
Separator	Farris	26HA13-120		9928 kPa	60.3 x 88.9
Fuel Gas Scrubber	Mercer	91-17C51V07C1		1724 kPa	33.4 x 33.4

**SHIPPING DIMENSIONS**

Width	13'4" (4.06 m)
Length	22' 2" (6.76 m)
Height	13' 5" (4.08 m)
Weight Estimate	42,100 lbs. (19,096 kg)

**CERTIFICATION**

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

