

**HORIZONTAL SEPARATOR**
**UNIT: R1116**
**PERFORMANCE**

Maximum Operating Pressure	740 psi (5,100 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-20/100°F (-29/38°C)
Liquid Storage Capacity	20 bbl (3.2 m <sup>3</sup> )
Maximum Vessel Gas Flow Rate @ 667 psi (4,590 kPa) Pressure	60 MMSCFD (1,694 e3m <sup>3</sup> /d)
Maximum Vessel Condensate Rate based on 3 minute residence	302 m <sup>3</sup> /d (1,900 BPD)
Maximum Vessel Water Rate based on 3 minute residence time	286 m <sup>3</sup> /d (1,800 BPD)
Maximum Piping Gas Flow rate @ 667 psi (4590 kPa)	51.2 MMSCFD (1,447 e3m <sup>3</sup> /d)
Maximum Piping Condensate Flow Rate @ 667 psi (4,590 kPa)	567 m <sup>3</sup> /d (3,569 BPD)
Maximum Piping Water Flow Rate @ 667 psi (4,590 kPa)	478 m <sup>3</sup> /d (3,006 BPD)
Pressure Relief Valves Max Flow Rate	5636 SCFM (AIR)   7038 SCFM (NG)
System Maximum Gas Rate (limited by PSV)	10 MMSCFD

**VESSEL DIMENSIONS**

Vessel Diameter	OD 48" (1219.2 mm)
Vessel Length S/S	192" (4876.8 mm)
Inlet Nozzle Size	8" (219.9 mm)
Gas Outlet Nozzle Size	8" (219.9 mm)
Oil Outlet Nozzle Size	2" (60.3 mm)
Water Outlet Nozzle Size	2" (60.3 mm)


**FLOW INSTRUMENTATION**

Gas Meter	6" (168.3 mm) Senior Meter Run
Condensate Meter	2" EZE-IN Wafer Meter
Water Meter	2" EZE-IN Wafer Meter
Fuel Gas Meter	Roots Meter

**VALVE DETAIL**

	Make	Model	Serial Number	Size	Trim
Gas	CVS	ET	667-45 ACT.	4" (114.3 mm)	
Condensate	Fisher	D4	0020192519	2" (60.3 mm)	1-1/4"
Water	CVS	ET	667-45	2" (60.3 mm)	

**PSV DETAIL**

	Make	Model	Serial Number	Set Pressure	Size
Separator	Taylor	82G98S13441600		740 psi (5,100 Kpa)	2"x3" (60.3 mm x 88.9 mm)
Fuel Gas Scrubber	Mercer	91-17D51V06E1	559152	100 psi (690 kPa)	1"x1" (33.4 mm x 33.4 mm)

**SHIPPING**

Width	10' (3.05 m)
Length	21'-8" (6.60 m)
Height	13'-4" (4.06 m)
Weight Estimate	31,736 lb (14,395 kg)

**CERTIFICATION**

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

