

**VERTICAL SEPARATOR**
**UNIT: R1134**
**PERFORMANCE**

Maximum Operating Pressure	1440 psi (9928 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-20°F/100°F (-29°C/38°C)
Liquid Storage Capacity	0.56 m <sup>3</sup> (3.53 bbl)
Maximum Vessel Gas Flow Rate @ 1296 psi (8936 kPa) Pressure	429 e <sup>3</sup> m <sup>3</sup> /d (15.2 MMSCFD)
Maximum Vessel Condensate Rate based on 3 minute residence	133 m <sup>3</sup> /d (839 bpd)
Maximum Vessel Water Rate based on 3 minute residence time	131 m <sup>3</sup> /d (824 bpd)
Maximum Piping Gas Flow rate @ 1296psi (8936kPa)	565 e <sup>3</sup> m <sup>3</sup> /d (20 MMSCFD)
Maximum Piping Condensate Flow Rate @ 1296 psi (8936kPa)	473 m <sup>3</sup> /d (2980 bpd)
Maximum Piping Water Flow Rate @ 1296psi (8936kPa)	445 m <sup>3</sup> /d (2800 bpd)
Pressure Relief Valves Max Flow Rate	469 e <sup>3</sup> m <sup>3</sup> /d (11527 SCFM)
System Maximum Gas Rate (limited by Maximum Vessel Gas Rate)	429 e <sup>3</sup> m <sup>3</sup> /d (15.2 MMSCFD)

**VESSEL DIMENSIONS**

Vessel Diameter	30" OD
Vessel Length S/S	120"
Inlet Nozzle Size	4"
Gas Outlet Nozzle Size	4"
Oil Outlet Nozzle Size	2"
Water Outlet Nozzle Size	2"

**FLOW INSTRUMENTATION**

Gas Meter	4" Daniel Senior
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**SHIPPING DIMENSIONS**

Width	8'
Length	8'
Height	TBC
Weight Estimate	TBC

**CERTIFICATION**

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

