

HORIZONTAL SEPARATOR
UNIT: R1132
PERFORMANCE

Maximum Operating Pressure	1480 psi (10,204 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-20°F/100°F (-29°C/38°C)
Liquid Storage Capacity (Operating @ 50%)	10.7 m ³ (67.4 bbl)
Maximum Vessel Gas Flow Rate @ 1,480 psi (10,204 kPa)	8,474 e ³ m ³ /d (300 mmscfd)
Maximum Vessel Liquid Rate based on 3-minute residence time	2,353 m ³ /d (14,800 bpd)
Maximum Piping Gas Flow Rate @ 1,480 psi (10,204 kPa)	8,710 e ³ m ³ /d (308 mmscfd)
Maximum Piping Liquid Flow Rate @ 1,480 psi (10,204 kPa)	236 m ³ /d (1,486 bpd)
Pressure Relief Valves Max Flow Rate Set @ 1300 psi (8963 kPa)	2,084 Sm ³ /min (73,785 SCFM)
System Maximum Gas Rate (PSV)	3,000 e ³ m ³ /d (106 mmscfd)

VESSEL DIMENSIONS

Vessel Diameter ID	66" (1676.4 mm)
Vessel Length S/S	360" (9144 mm)
Inlet Nozzle Size	CL600 12" (323.8 mm)
Gas Outlet Nozzle Size	CL600 12" (323.8 mm)
Water Outlet Nozzle Size	CL600 2" (60.3 mm)
Oil Outlet Nozzle Size	CL600 2" (60.3 mm)

SKID CONNECTIONS

Connection Inlet Size	CL600 12" (323.8 mm)
Connection Gas Outlet Size	CL600 12" (323.8 mm)
Connection Water/Oil Outlet Size	CL150 2" (60.3 mm)

FLOW INSTRUMENTATION

Gas Meter	Not Installed
Condensate Meter	Not Installed
Water Meter	Not Installed
Differential Recorder	Not Installed

SHIPPING DIMENSIONS

Width	TBD
Length	TBD
Height	TBD
Weight Estimate	TBD

CERTIFICATION

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





EQUIPMENT SPECIFICATION SHEET