

HORIZONTAL SEPARATOR

UNIT: R1139

PERFORMANCE

Maximum Operating Pressure	1440 psi (9,928 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-20°F/130°F (-28°C/54°C)
Liquid Storage Capacity (Operating @ 50%)	8.8 m3 (55.4 bbl)
Maximum Vessel Gas Flow Rate @ 1,440 psi (9,928 kPa) Pressure	5,367 e3m3/d (190 mmscfd)
Maximum Vessel Water Rate based on 3-minute residence time	4,234 m3/d (26,629 bpd)
Maximum Piping Gas Flow Rate @ 1,440 psi (9,928 kPa)	3,318 e3m3/d (117 mmscfd)
Maximum Piping Liquid Flow Rate @ 1,440 psi (9,928 kPa)	3,621 m3/d (22,774 bpd)
Pressure Relief Valves Max Flow Rate	79,707 SCFM
System Maximum Gas Rate (limited by piping)	3,242 e3m3/d (114 mmscfd)

VESSEL DIMENSIONS

Vessel Diameter ID	72" (1829 mm)
Vessel Length S/S	240" (6096 mm)
Inlet Nozzle Size	CL600 12" (324 mm)
Gas Outlet Nozzle Size	CL600 12" (324 mm)
Liquid Nozzle Size	CL600 3" (89 mm)
Liquid Nozzle Size	CL600 4" (114 mm)

SKID CONNECTIONS

Connection Inlet Size	10"
Connection Gas Outlet Size	10"
Connection Water/Oil Outlet Size	4"



FLOW INSTRUMENTATION

Tore System	Yes
Condensate Meter x 2	Not Installed
Water Meter	Not Installed
Differential Recorder	Not Installed

SHIPPING DIMENSIONS

Width	17' – 9" (5.4 m)
Length	77' – 6" (11.4m)
Height	18' – 4" (5.6 m)
Weight Estimate	TBC

CERTIFICATION

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

