

HORIZONTAL SEPARATOR

UNIT: R126

PERFORMANCE

Maximum Operating Pressure	2000 psi (13,780 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-49°F/176°F (-45°C/80°C)
Liquid Storage Capacity	50 bbl (7.9 m ³)
Maximum Vessel Gas Flow Rate @ 1800 psi (12,410 kPa) Pressure	230 mmscfd (6,497 e3m ³ /d)
Maximum Vessel Condensate Rate based on 3 minute residence	3000 bbl/d (477 m ³ /day)
Maximum Vessel Water Rate based on 3 minute residence time	3000 bbl/d (477 m ³ /day)
Maximum Piping Gas Flow rate @ 1800 psi (12,410 kPa)	295 mmscfd (8,333 e ³ m ³ /d)
Maximum Piping Condensate Flow Rate @ 1800 psi (12,410 kPa)	3,481 bbl/d (553 m ³ /day)
Maximum Piping Water Flow Rate @ 1800 psi (12,410 kPa)	2,543 bbl/d (404 m ³ /day)
Pressure Relief Valves Max Flow Rate	15,305 scfm (NG) 13,889 scfm (Air) (565 e ³ m ³ /d) 20 mmscfd
System Maximum Gas Rate (limited by PSV – option to upsize)	15,305 scfm (NG) 13,889 scfm (Air) (565 e ³ m ³ /d) 20 mmscfd

VESSEL DIMENSIONS

Vessel Diameter	48" (1,220 mm)
Vessel Length S/S	30' – 0" (9,144 mm)
Boot Diameter	14" (356 mm)
Boot Length S/S	39" (991 mm)
Inlet Nozzle Size	8" CL900 (219.1 mm)
Gas Outlet Nozzle Size	8" CL900 (219.1 mm)
Oil Outlet Nozzle Size	2" CL900 (60.3 mm)
Water Outlet Nozzle Size	2" CL900 (60.3 mm)



FLOW INSTRUMENTATION

Gas Meter	Not Installed
Condensate Meter	2" CL900 RF
Water Meter	2" CL900 RF

VALVE DETAIL

	Make	Model	Serial Number	Size	Trim
Condensate	Spartan	D4		2"	1/2"
Water	Spartan	D4		2"	1/4"

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PSV DETAIL

	Manufacturer	Model	Serial Number	Set Pressure	Size
Separator	Farris	26HA14-120	630934-1-A10	1,000 psi (6,893 kPa)	2" x 3" (60.3 x 88.9)

SHIPPING DIMENSIONS

Width	13' – 0" (3.96 m)
Length	33' – 7" (10.23 m)
Height	17' – 0" (5.17 m)
Weight Estimate	33,204 lbs (15,061 kg)

CERTIFICATION

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

