

HORIZONTAL SEPARATOR

UNIT: R193

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	1.3 m3
Maximum Vessel Gas Flow Rate @ 1,296 psi (8,936 kPa) Pressure	1,836 e3m3/d (65 MMSCFD)
Maximum Vessel Condensate Rate based on 3 minute residence	162.76 m3/d (1024 bpd)
Maximum Vessel Water Rate based on 3 minute residence time	188.64 m3/d (1187 bpd)
Maximum Piping Gas Flow rate @ 1,300 psi (8,963 kPa)	4,506.8 e3m3/d (160 MMSCFD)
Maximum Piping Condensate Flow Rate 1,300 @ psi (8,963 kPa)	670.6 m3/d (4,218 bpd)
Maximum Piping Water Flow Rate @ 1,300 psi (8,963 kPa)	729.9 m3/d (4,591 bpd)
Pressure Relief Valves Max Flow Rate	21,950 scfm (Air)
System Maximum Gas Rate (limited by PSV)	892.9 e3m3/d (32 MMSCFD)

VESSEL DIMENSIONS

Vessel Diameter	36" (914.4 mm)
Vessel Length S/S	120" (3048 mm)
Inlet Nozzle Size	6" 600ANSI
Gas Outlet Nozzle Size	6" 600ANSI
Oil Outlet Nozzle Size	2" 600ANSI
Water Outlet Nozzle Size	2" 600ANSI

FLOW INSTRUMENTATION

Gas Meter	6" Daniel Senior
Condensate Meter	Futures
Water Meter	Futures
Fuel Gas Meter	Futures
Differential Recorder	Futures



VALVE DETAIL

	Make	Model	Serial Number	Size	Trim
Condensate	Fisher	600ANSI-RF D3	F000441242	2"	3/8"
Water	Fisher	600ANSI-RF D3	F000249975	2"	3/8"
Gas	Fisher	600 ANSI-RF ET	F000665609	3"	3 7/16"

PSV DETAIL

	Manufacturer	Model	Serial Number	Set Pressure	Size
Separator	Farris	26HA13-120/00	639608-1-A10	1440 PSIG	2"x3"
Fuel Gas Scrubber	Taylor	8200	031321-102	250 PSIG	1"x1"

SHIPPING

Width	8'
Length	20'-6"
Height	11'-0 7/16"
Weight Estimate	8,620 kg

CERTIFICATION

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