

OIL TREATER

UNIT: TRT001

PERFORMANCE

Maximum Operating Pressure	100 psi (690 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-20°F/250°F (-29°C/121°C)
Retention Time	30 Minutes
Maximum Vessel Liquid Flow Rate @ 30 Minute Retention Time	4,700 BPD (750 m ³ /d)
Maximum Gas Outlet Nozzle Flow Rate @ 90 psi (620 kPa)	1,530 SCFM (62 e ³ m ³ /d)
Maximum Oil Outlet Nozzle Flow Rate @ 90 psi (620 kPa)	10,000 BPD (1,590 m ³ /d)
Maximum Piping Gas Rate @ 90 psi (620 kPa) Pressure	600 SCFM (24 e ³ m ³ /d)
Pressure Relief Valve Max Rate	4,004 SCFM (163 e ³ m ³ /d)
Maximum Input Rating	2.6 MMBTU/h
Burner	Kenilworth 2.1 – 3 MMBTU/h
Flame Arrestor Rating	3 MMBTU/h

DIMESIONS

Vessel Diameter ID	96" (2438 mm) OD
Vessel Length S/S	360" (9144 mm)
Inlet Nozzle Size	NPS 6 CL150
Gas Outlet Nozzle Size	NPS 3 CL150
Water/Oil Outlet Nozzle Size	NPS 4 CL150
Water Outlet Nozzle Size	NPS 2 CL150
PSV Discharge	NPS 4 CL150
Vessel Insulation	2" (50.8 mm) Fiberglass

SHIPPING DIMENSIONS

Width	11' – 11" (3.63 m)
Length	46' – 7" (14.5 m)
Height	13' – 9" (4.17 m)
Weight	53,000 lb (24,040 kg)

CERTIFICATION

Vessel	ASME Sec. VIII Div. 1
Burner	CSA B149.3
Piping	ASME B31.3
Province(s) of Registration	AB
Sour Service	Yes



FLOW INSTRUMENTATION

Gas Meter	NPS ½ CL150
Condensate Meter	NPS 2 CL150 Turbine
Water Meter	NPS 2 CL150 Turbine
Fuel Gas Meter	NPS 1 NPT
LEL	Yes
H2S	Yes
Fire	Yes

FEATURES

LEL Detection	Red, Blue, Amber Beacons
H ₂ S Detection	Devoe 253 Vessel Coating
Fire Detection	Building Exhaust Fan
Manual ESD	Building Heater