



VERTICAL TREATER

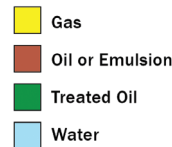
Key Benefits

- **Optimize safety** and minimize risk with Exterran's adherence to the latest ASME standards, clearly stamped on the equipment.
- **Boost production** and reduce downtime with Exterran's proven pre-engineered design, in stock and ready for immediate delivery.
- **Get fast professional service** and support with local technicians and spare parts in every major oil and gas producing area.

Standard Product Features

- Removable firetube and stack
- High-efficiency burner and pilot assembly
- Temperature controller
- Liquid gauge assemblies
- Pressure gauge with isolating valve
- Relief valve
- Gas back-pressure valve
- Equalizer tubing and fittings
- External adjustable water siphon with stainless steel weir pipe
- Oil and water dump valves
- Flame arrestor
- Fuel gas scrubber with high-level shutoff and drain
- Fuel gas regulator
- Heat retaining baffle
- 18 inch manway
- Ladder

Efficiently treat crude oil safely and reliably with Exterran's proven pre-engineered design and construction.



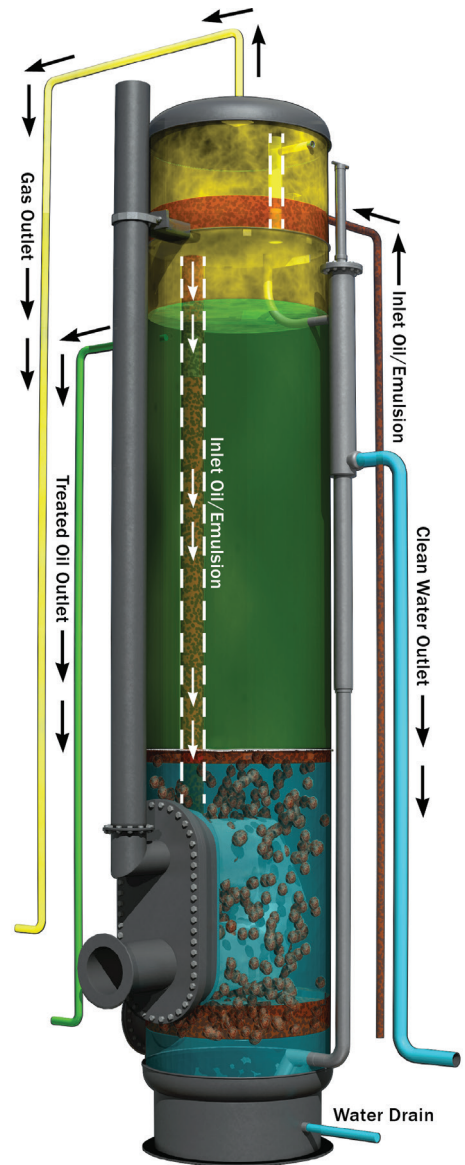
OVERVIEW

The Exterran Production Solutions™ Vertical Treater is designed to efficiently treat crude oil by removing water and emulsion from the wellstream so the oil can be further processed or delivered. For optimal safety and minimal risk, construction adheres to the latest ASME standards, and Exterran's proven pre-engineered design means it's in stock and ready for immediate delivery.

HOW IT WORKS

The well stream first enters the emulsion inlet near the top of the unit and is diverted against the treater shell. Gas separates from the liquids, ascends and exits the unit. Warm vapor from the lower section flows up to the gas separation section and mixes with the cool inlet stream. Heavier components in the gas condense and descend. The oil, water, and emulsion liquids that descend are collected beneath the firebox. Free water separates from the oil and discharges from the bottom section through the adjustable external siphon.

The spreader breaks up the remaining oil and emulsion and the remaining water is discharged with the free water. Treated oil flows through the heat-retaining baffle above the firetube, exits through the oil outlet at the top of the settling section, and is conveyed to a storage tank.



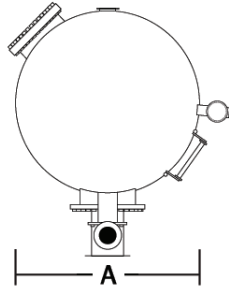
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Sizing and Options Form

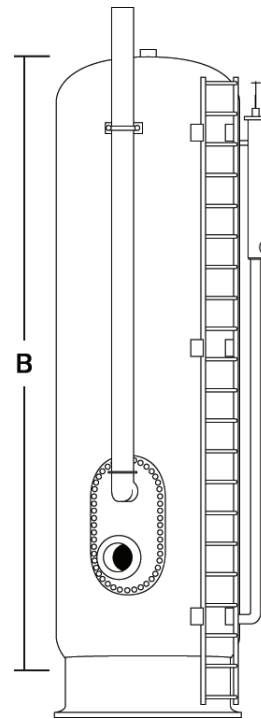
Contact an Exterran sales representative or email PEQ.Proposals@exterran.com to submit sizing information and obtain a quote.

DIMENSIONS

Top View



Side View



Dimensions shown here are approximate and may vary. Precise measurements for freight permits should be confirmed prior to shipping.

Specifications											
Size*		NWP	Capacities				Inlet NPT	Outlets NPT			Shipping Weight lbs
A OD ft	B Height ft	psig	Heating MBtu/hr	Oil Treating bpd	Liquid bpd	Gas MMscfd	Emulsion inches	Oil inches	Gas inches	Water inches	
4	20	75	350	100-500	400-1500	1-2	2	2	2	3	6,600
6	20	75	550	200-1000	600-2500	2-4	4	4	4	4	9,400

*Larger sizes are also available.

Options Checklist

- High-temp thermostat shutdown
- Internal anti-corrosive coating
- Burner Safety Low (BSL)/igniter
- High level shutdown
- Stack arrestor
- Igniter
- Sour service
- External piping
- Caged ladder

Notes

Sizing Requirements		
Inlet	Pressure (psig)	
	Temp. (°F)	
Oil Flow	Rate (bpd)	
	Specific Gravity	
	°API	
Water Flow	Rate (bpd)	
	Specific Gravity	
Gas Flow	Rate (MMscfd)	
	Specific Gravity	
Sour Service	Yes / No	
	CO ₂ (mol%)	
	H ₂ S (ppm)	



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