



## HYDROCARBON STABILIZER UNIT

500, 1000, 2000 and 5000 bpd capacity

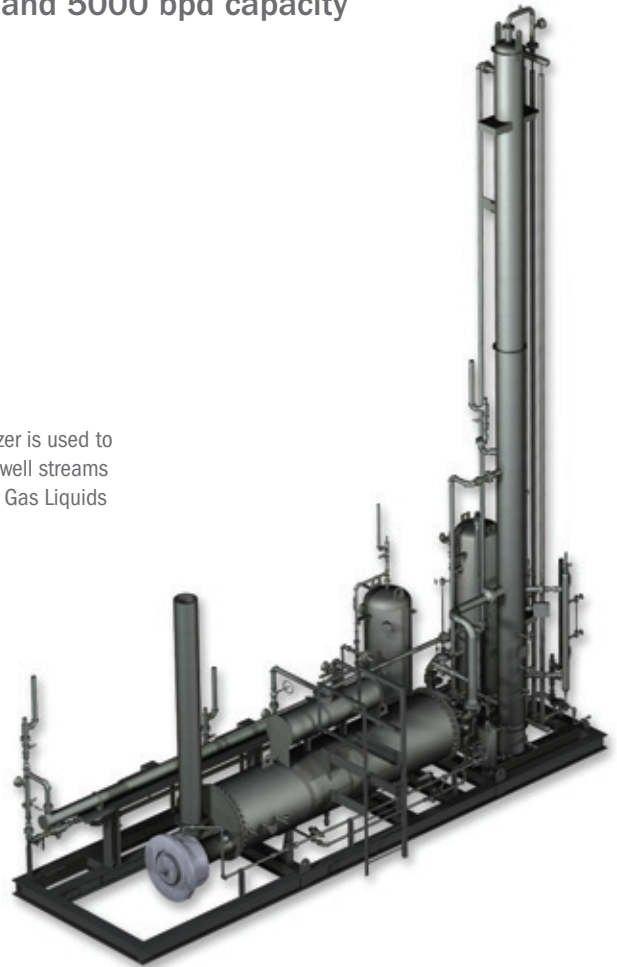
### Key Benefits

- **Efficiently separate and capture** valuable natural gas liquids (NGL).
- **Safely stabilize** hydrocarbon liquids with Exterran's pre-engineered, modular design.
- **Save startup time** and simplify connection with Exterran's uniform isometric piping.
- **Maximize production** and minimize downtime with the proven design and construction of an industry leader.
- **Get fast professional service and support** with local technicians and spare parts in every major oil & gas-producing area.

### Standard Product Features

- Hydrocarbon Stabilizer tower with stainless steel packing
- Inlet heat exchanger
- Outlet gas ambient heat exchanger
- Indirect heater with expansion tank
  - Removable fire tube
  - Removable coil
  - Fuel gas assembly & flame arrestor
  - Removable ladder
- Vertical three-phase separator
- Vertical blowcase
- Pneumatic instrumentation
- Heavy-duty oilfield skid with lifting lugs

Exterran's Hydrocarbon Stabilizer is used to stabilize liquids and vapors in well streams and separate valuable Natural Gas Liquids



### OVERVIEW

The Exterran Production Solutions™ Hydrocarbon Stabilizer is designed to minimize startup time, safely stabilize hydrocarbon liquids and vapor by reducing Reid vapor pressure, and efficiently capture natural gas liquids (NGL) in wellstreams.

### HOW IT WORKS

After primary separation upstream, the hydrocarbon stream enters the unit and is first preheated in the inlet heat exchanger and then flows into the upper section of the stabilizer tower. Inside the tower the light components – methane, ethane, propane, butane – rise and exit the overhead vapor outlet. The heavier liquid components descend and pass through the indirect heater to cause additional vapor to flash off, rise and exit the tower.

Liquids collect in the bottom of the tower exit as stable product and are routed to the inlet heat exchanger to preheat the incoming stream as well as cool the outgoing product. Stabilized liquid product then flows to storage tanks for market delivery. The lighter vapor that exits the tower flows through an ambient cooler and then to a low-pressure separator. Captured gas is then routed to compression for delivery to market. Natural gas liquids (NGL) exits the separator and flows either directly to a storage vessel or blowcase vessel if a higher discharge pressure is required.

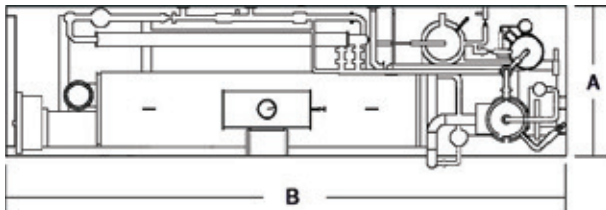
# HYDROCARBON STABILIZER UNIT

## Sizing and Options Form

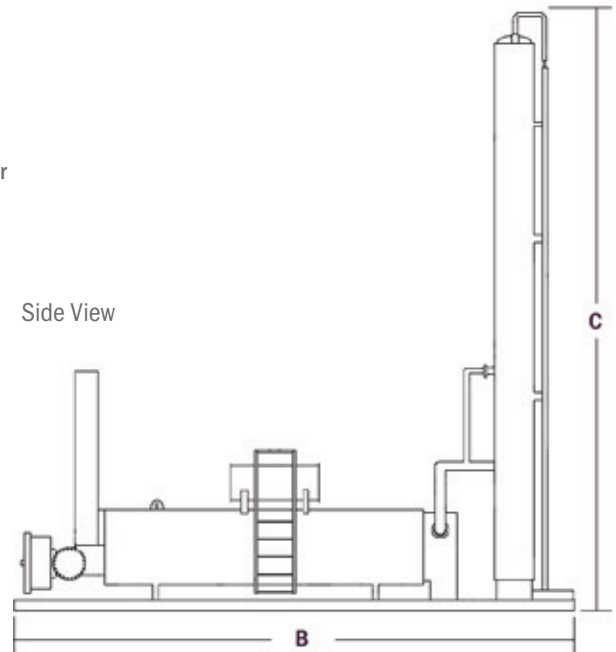
Provide this completed form to your local Exterran representative, scan and e-mail to PEQ.Proposals@exterran.com or fax to the telephone number

### DIMENSIONS

Top View



Side View



NOTES: See the shipping dimensions in the specifications table below. The tower, heater stack and ladder are removed for shipping. Shipping dimensions shown here are approximate and may vary. Precise measurements for freight permits should be confirmed prior to shipping.

### Specifications

Unit Capacity bpd	Heater MBtu/Hr	Tower OD In	Tower MAWP psig	NGL Separator OD in	A Width ft	B Length ft	C Height ft	Inlet/Outlet 150 RF in	Shipping Dimensions (w/o tower & stack) W x L x H ft	Shipping Weight lbs
500	500	12	125	24	8.0	26	34	3	8.5 x 26 x 10	15,200
1000	750	14	125	24	8.0	26	34	3	8.5 x 26 x 10	16,200
2000	1500	24	125	24	8.5	32	34	3	8.5 x 32 x 13	24,000
5000	3000	36	125	36	17	33	37	6	(2X) 8.5 x 33 x 13*	36,000

\*Consists of two skids.

### Options Checklist

- BSL or burner management
- Control panel
- Electrical instrumentation
- Gas metering
- Liquid metering
- High/Low shutdown valve
- NACE compliant
- Stack arrestor

### Notes

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### Sizing Requirements

<b>Inlet</b>	Pressure (psig)	
	Temp. (°F)	
<b>Oil</b>	Flow Rate (bpd)	
	SG	
	°API	
<b>Water</b>	Flow Rate (bpd)	
	SG	
<b>Gas Flow</b>	Rate (MMscfd)	
	SG	
<b>Sour Service</b>	Yes / No	
	mol%	
	ppm	



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