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

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.
HYDROCABON 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 below.

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

<table>
<thead>
<tr>
<th>Unit Capacity bpd</th>
<th>Heater MBtu/HR</th>
<th>Tower OD in</th>
<th>Tower MAWP psig</th>
<th>NGL Separator OD in</th>
<th>A Width ft</th>
<th>B Length ft</th>
<th>C Height ft</th>
<th>Inlet/Outlet 150 RF in</th>
<th>Shipping Dimensions (w/o tower &amp; stack) W x L x H ft</th>
<th>Shipping Weight lbs</th>
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</thead>
<tbody>
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<td>500</td>
<td>12</td>
<td>125</td>
<td>24</td>
<td>8.0</td>
<td>26</td>
<td>34</td>
<td>3</td>
<td>8.5 x 26 x 10</td>
<td>15,200</td>
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<td>750</td>
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<td>125</td>
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<td>125</td>
<td>24</td>
<td>8.5</td>
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<td>34</td>
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<td>8.5 x 32 x 13</td>
<td>24,000</td>
</tr>
<tr>
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<td>37</td>
<td>6</td>
<td>(2X) 8.5 x 33 x 13*</td>
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*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

This brochure is intended for general information purposes only and is not intended as a representation or warranty of any kind, or as a statement of any terms or conditions of sale. The information herein is believed to be correct, but is not warranted for correctness or completeness, or for applicability to any particular customer or situation.

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