Flare Stack—Trailer Mounted

Halliburton’s Testing and Subsea trailer-mounted flare stack is used for flaring gas during well test/cleanup applications. The flare stack is 40 ft (12 m) tall and made of 6 in. of pipe. It is mounted on a standard DOT-approved, hitch-style trailer and can be towed and rapidly deployed for operational use.

The entire flare stack can fit into an ISO 40-ft shipping container.

The trailer is equipped with two swing-out riggers/jacks as well as front and rear stabilizing jacks. The flare stack is raised and lowered using a hydraulic-lift ram system. Wind load engineering is built into the design for safe, efficient operation. An electric igniter system and pilot gas supply are also part of the trailer design.

Applications
- Exploration and appraisal well testing
- Cleanup and flowback

Features
- Trailer
  - 12,000-lb (5443-kg) front and rear stabilizer jacks
  - 3,500-lb (1588 kg) tandem axle
  - Two swing-out-style riggers with 7,000-lb (3175-kg) screw jacks
  - Hydraulic-lift ram designed to raise and lower stack, complete with safety check valve
- Stack
  - 6-in. main line
  - 1/2-in. pilot gas line
  - 2-in. shot tube complete with gas mixer and electric ignition system
  - Wind load engineered and rated to 165 mph (266 kph)
- Portable system
  - Self-contained
Benefits

- Facilitates safe disposal of produced hydrocarbon gas, protecting the rig and personnel on work site
- Intelligent design that enables safe, efficient installation and demobilization
- Uses Design of Service software package to predict heat radiation and noise levels during flaring to determine whether the radiant heat levels have been reduced to satisfactory levels as outlined in API 521

### Trailer-Mounted Flare Stack Equipment Specifications*

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Transport Length</th>
<th>Transport Height</th>
<th>Transport Width</th>
<th>Trailer Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>101788332, 101865302</td>
<td>Flare stack, 40 ft, trailer mounted</td>
<td>37 ft 5 1/4 in. (11.4 m)</td>
<td>7 ft 8 5/8 in. (2.35 m)</td>
<td>7 ft 0-3/8 in. (2.14 m)</td>
<td>6,952 lb (3160 kg)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operational Length</th>
<th>Operational Height</th>
<th>Operational Width</th>
<th>Main Line Connection</th>
<th>Auxiliary Line Connection</th>
<th>Vent Line Connection</th>
<th>Ignition Line Connection</th>
<th>Propane Line</th>
<th>Igniter System</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 ft 7 in. (12.37 m)</td>
<td>37 ft 5 1/4 in. (11.4 m)</td>
<td>44 ft 4 1/2 in. (13.53 m)</td>
<td>6 in. SCH. 40, 6 in. Fig. 206 female (T)</td>
<td>4 in. SCH. 40, 4 in. Fig. 206 female (T)</td>
<td>3 in. SCH. 40, 3 in. Fig. 206 female (T)</td>
<td>2 in. SCH. 40, Threaded reducer to 1-in. supplied igniter</td>
<td>1/2 in. SCH. 40</td>
<td>101865383 – Igniter includes piezo, housing and wire boot</td>
</tr>
</tbody>
</table>

* For individual equipment specifications, refer to the equipment databook.
** 60-ft version available upon request

These ratings are guidelines only. For more information, consult your local Halliburton representative.

For more information, contact your local Halliburton representative, or email us at welltesting@halliburton.com.

© 2019 Halliburton. All rights reserved. Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.