The unique **High-Pressure Debris Filtration Unit (HPDU)** from Baker Hughes, a GE company (BHGE), protects downhole tools and equipment by keeping completion fluid free of damaging debris. Used with diatomaceous earth (DE) and cartridge filtration, the system works by removing small or large solids from pits, valves, pumps, and other equipment before those solids can enter the wellbore.

For easy installation, the HPDU system connects directly to the rig standpipe downstream of rig tanks and high-pressure pumps. It is ideal for both land and offshore applications and can operate in 10,000 psi (690 bar) environments. In deepwater operations, an additional HPDU filter can be connected to the boost line to remove debris before it enters the system through the flow path.

Materials removed by 10,000 psi HPDU system.

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working pressure</td>
<td>Tested to 10,000 psi (690 bar)</td>
</tr>
<tr>
<td>Length</td>
<td>10 ft (3 m)</td>
</tr>
<tr>
<td>Width</td>
<td>5 ft (1.5 m)</td>
</tr>
<tr>
<td>Height</td>
<td>8 ft 10 in. (1.7 m)</td>
</tr>
</tbody>
</table>

### Applications

- Completions and workover operations
- Land, shelf, and deepwater environments

### Benefits

- Reduces rig time by improving flow rates
- Optimizes filtration regardless of brine type
- Maximizes solids removal downstream of the filter unit
- Prevents inside diameter blockage of completion systems
- Connects to rig standpipe
  - Removes debris before fluid enters the wellbore
- Protects reservoir against debris infiltration through multiple flow paths for deepwater operations