Vali Tech® Downhole Mechanical Filter

VALIDATES WELLBORE CLEANLINESS AND COLLECTS DEBRIS UNABLE TO BE CIRCULATED OUT OF WELL

OVERVIEW
The CleanWell® Vali Tech® downhole filter tool is designed to provide a mechanical alternative for collecting solid contaminants remaining in vertical or deviated wellbores. The robust design of the filter tube helps eliminate wire-wrapped screen concerns while allowing for improved operating specifications.

The Vali Tech filter features include a fluid interrupter sleeve (FIS) which provides a protected, redundant wiper diverter system designed to mitigate tearing, ripping or damage concerns. The upper location of the FIS prevents potential debris loss.

The innovative modulating valve allows fluid bypass should the collection chamber become full and helps prevent swabbing concerns. This system is also designed to eliminate the need for other ball-drop bypass valves.

The Vali Tech filter is ideal for highly deviated wellbores where solids tend to settle on the low side or when unfavorable hydraulics are present. The tool can be run as a standalone device for specialty intervention runs or integrated into a single-trip system in combination with other wellbore cleaning tools.

FEATURES
» Robust integral mandrel
» Stabilized for positive centralization and protection
» Allows for reverse circulating when required
» No spring-loaded valves to remain lodged open below the filter chamber
» Robust filter sleeve (0.035 Ga.)
   » Elimination of wire-wrapped screens
   » Increased operating specifications
» Fluid interrupter sleeve (diverter)
   » Shifting sleeve design
   » Self-centralizing
   » Protected and redundant wipers
» Self-modulating bypass
   » Eliminates swabbing potential
   » Provides regulated bypass
Vali Tech® Downhole Mechanical Filter Specifications

<table>
<thead>
<tr>
<th>Casing Size</th>
<th>Maximum Trip Speed (ft/min)</th>
<th>Max Rotating Speed in Tension (RPM)</th>
<th>Max Rotating Speed in Compression (RPM)</th>
<th>Max Compression While Rotating (klbs)</th>
<th>Tool Debris Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 3/4 - 13 5/8</td>
<td>200</td>
<td>120</td>
<td>90</td>
<td>50</td>
<td>1.171</td>
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<tr>
<td>9 5/8 - 10 3/4</td>
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<td>120</td>
<td>90</td>
<td>50</td>
<td>0.984</td>
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<tr>
<td>7 - 8 5/8</td>
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<td>120</td>
<td>90</td>
<td>35</td>
<td>0.572</td>
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For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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