CV0 Retrievable Straddle with Integral Safety Valve

The CV0 straddle is an isolation device designed to be installed across an existing tubing-retrievable subsurface safety valve (TRSSSV) or SSSV nipple profile which has lost integrity.

Run and retrieved in a single trip, the CV0 straddle incorporates dual packing elements which seal the flow couplings or pup joints on either side of the TRSSSV or SSSV nipple. A slip mechanism anchors the tool to the wellbore and is contained between the packing elements, protected from produced fines and well debris.

Once in position, the straddle's integral safety valve is operated conventionally by pressurizing the existing completion hydraulic control line. A selection of Halliburton insert valves is available to suit a variety of applications.

Applications

- Specifically designed for applications where an existing TRSSSV has lost integrity or where the SSSV nipple seal bore has been damaged and can no longer provide a pressure seal
- Provides a fully functional safety valve that helps prevent the need for an expensive workover

Features

- Uses existing completion control line
- Adaptable to most completion designs
- One-trip run and retrieve
- One-piece dual modulus packing element
- High running and retrieval speeds
- Large footprint segmented slips
- Slip mechanism isolated from wellbore
- Slips mechanically retained on retrieval
- Controlled setting action
- Field redressable

Benefits

- Cost-effective solution in situations where the primary safety valve has lost integrity
- Helps to prevent the need for an expensive workover
- Packing element design enhances ability to return to original shape upon release thus reducing the risk of hanging up
- Slip mechanism isolated from the wellbore and protected from well debris thus improving reliability
- Mechanically retained slips reduce risk of premature setting while running in hole and hanging up on retrieval
- Controlled setting action and slip design help ensure stresses exerted on the tubing are evenly distributed thus preventing damage
- May be run and retrieved on slickline, electric line, coiled tubing or workstring
# CV0 Retrievable Straddle with Integral Safety Valve

<table>
<thead>
<tr>
<th>Casing/Tubing</th>
<th>Maximum OD in. (mm)</th>
<th>Minimum ID in. (mm)</th>
<th>Pressure Rating Above psi (bar)</th>
<th>Pressure Rating Below psi (bar)</th>
<th>Length ft</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size in. (mm)</strong></td>
<td><strong>Weight lb/ft (kg/m)</strong></td>
<td><strong>Pressure Rating</strong></td>
<td><strong>Length ft</strong></td>
<td><strong>Pressure Rating</strong></td>
<td><strong>Length ft</strong></td>
</tr>
<tr>
<td>3/12 (88.9)</td>
<td>9.2 (13.7)</td>
<td>2.730 (69.34)</td>
<td>1.125 (28.57)</td>
<td>5,000 (344.5)</td>
<td>5,000 (344.5)</td>
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<tr>
<td>4 1/2 (114.3)</td>
<td>12.6 (18.8)</td>
<td>3.840 (97.54)</td>
<td>1.845 (46.86)</td>
<td>5,000 (344.5)</td>
<td>5,000 (344.5)</td>
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<tr>
<td>5 1/2 (139.7)</td>
<td>17.0 (25.3)</td>
<td>4.650 (118.11)</td>
<td>2.500 (63.50)</td>
<td>5,000 (344.5)</td>
<td>5,000 (344.5)</td>
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<tr>
<td>6 (152.4)</td>
<td>20.0 (29.8)</td>
<td>4.650 (118.11)</td>
<td>2.500 (63.50)</td>
<td>5,000 (344.5)</td>
<td>5,000 (344.5)</td>
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<tr>
<td>7 (177.8)</td>
<td>29.0 (43.2)</td>
<td>6.020 (152.91)</td>
<td>3.220 (81.79)</td>
<td>5,000 (344.5)</td>
<td>5,000 (344.5)</td>
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<tr>
<td>8 (203.2)</td>
<td>32.0 (47.6)</td>
<td>6.020 (152.91)</td>
<td>3.220 (81.79)</td>
<td>5,000 (344.5)</td>
<td>5,000 (344.5)</td>
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</tbody>
</table>

Part Number Prefix: P815CV0

For more information, visit www.halliburton.com or email us at completions@halliburton.com.