Product Sheet: Inter Remote Shatter Valve (IRSV)

Product Description
The Inter Remote Shatter Valve (IRSV) is a qualified barrier valve, which is remotely opened. It can be integrated as part of the completion string or installed below an intervention packer. The IRSV is checked prior to shipping and is handled as any other assembly, i.e. it can be installed by a 3rd party. By cycling the well pressure above the valve a predetermined number of cycles, the barrier element will shatter. This leaves a full bore ID through the valve for production or intervention. No parts of the barrier element will remain when production starts.

Product Benefits:
- Installation and removal of the Inter Remote Shatter Valve (IRSV) does not require intervention.
- It can be run as part of the completion string or below an intervention packer.
- Contingency opening of the IRSV can be done by use of mill, shoot down tool or spear.

Product Application
The IRSV provides a barrier while running new completion strings. It is used for setting of the completion packer and pressure integrity test of the tubing. This enables the customers to protect lower zones while finishing the upper completion installation. Remote actuation enables complete removal of the barrier without any further intervention. When used along with a barrier intervention packer, such as the LBP, ME or HPHT, the IRSV provides the customer with an intervention barrier that can be remotely opened by pressure cycling. The barrier packer can then be retrieved at a convenient time.
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Product Features

- Intervention-less removal
- ISO 14310 V0 certified
- Debris tolerant activation system
- Large bore after opening
- Non Explosive opening operation
- ISO 28781 V1 & Q1

Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>ID</th>
<th>OD</th>
<th>Pressure rating</th>
<th>Temperature rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRSV 4.00”–5.72”</td>
<td>4.00”</td>
<td>5.72”</td>
<td>345 bar / 5000 psi</td>
<td>150°C / 300F</td>
</tr>
<tr>
<td>IRSV 4.00”–5.87”</td>
<td>4.00”</td>
<td>5.87”</td>
<td>432 bar / 6250 psi</td>
<td>150°C / 300F</td>
</tr>
<tr>
<td>IRSV 4.00”–5.95”</td>
<td>4.00”</td>
<td>5.95”</td>
<td>518 bar / 7500 psi</td>
<td>150°C / 300F</td>
</tr>
<tr>
<td>IRSV 5.80”–8.25”</td>
<td>5.80”</td>
<td>8.25”</td>
<td>432 bar / 6250 psi</td>
<td>150°C / 300F</td>
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<tr>
<td>IRSV 5.80”–8.33”</td>
<td>5.80”</td>
<td>8.33”</td>
<td>518 bar / 7500 psi</td>
<td>150°C / 300F</td>
</tr>
</tbody>
</table>

IRSV standard material quality is L80 13Cr. It is also available in L80 1Cr and L80 25Cr.