**ReacXion** fully dissolvable frac plugs

Consistent, repeatable setting and isolation with fullbore production without milling

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**Pressure:**
Rated up to 10,000 psi [69 MPa]

**Temperature:**
Rated up to 300 degF [148 degC]

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**Where are they used**
- Any plug-and-perf multistage fracturing operations in freshwater or brine
- Extended-reach laterals
- Difficult milling conditions
- Underpressured reservoirs
- Isolation for refracturing operations

**How they enhance performance**
- Add flexibility with one tool that works from fracturing to fullbore production without the expense of milling
- Tune dissolution performance with the optimal material for freshwater or brine

**How they improve plug-and-perf operations**
ReacXion* fully dissolvable frac plugs require minimal field assembly or can be delivered preassembled with Unity* single-use wireline adapter kit and frac plug setting tools to eliminate the potential for human error and operational delays. A proprietary field-proven coating protects the plug and prevents early dissolution, enabling plug placement in the well several hours before isolation is required. ReacXion plugs have an antipreset design that eliminates the risk of presetting while pumping into the well. To complete isolation, a dissolvable ball is pumped down to the integral ball seat before fracturing begins. Optionally, the plug can be configured for deployment with the ball in place.

**How they improve fracturing operations**
Load-transfer technology integrated into the design uses the casing as a supporting member, transferring the load from the ball to the ball seat, through the slips, and onto the casing. Pressure exerted on the ball during stimulation continues to reinforce the integrity of the plug’s seal, forming a tighter seal as pressure is increased.

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**Which ReacXion plug is right for me?**

<table>
<thead>
<tr>
<th>ReacXion Nano Frac Plug</th>
<th>ReacXion Frac Plug</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plug body</strong></td>
<td>Fully dissolvable</td>
</tr>
<tr>
<td><strong>Temperature rating, degF [degC]</strong></td>
<td>Up to 275 [135]</td>
</tr>
<tr>
<td><strong>Pressure rating, psi [MPa]</strong></td>
<td>Up to 10,000 [69]</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>Compact</td>
</tr>
<tr>
<td><strong>Compatibility with Unity setting tool</strong></td>
<td>Select sizes</td>
</tr>
<tr>
<td><strong>Casing sizes, in</strong></td>
<td>4.5, 5, or 5.5†</td>
</tr>
<tr>
<td><strong>Casing weight spanning</strong></td>
<td>Partial</td>
</tr>
<tr>
<td><strong>Ball-in-place configuration</strong></td>
<td>Field configurable</td>
</tr>
</tbody>
</table>

† Scan QR code for up-to-date ratings and sizes.

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**How they deliver fullbore production and eliminate milling**
ReacXion plugs are smaller by volume compared with other dissolvable plugs eliminating production constraints. Their field-proven materials ensure predictable fullbore dissolution in freshwater or common oilfield brines, depending on the version selected. Improved material selection also enables fast, controlled dissolution of the elastomer.

**What is the latest technology?**
- ReacXion fully dissolvable frac plugs are full casing weight spanning and have a higher temperature rating.
- ReacXion Nano* compact fully dissolvable frac plugs are shorter with tighter casing weight ranges.
- Unity setting tool enables efficient preassembly.

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