ISOTECH ISOLATION TECHNOLOGIES
INFLATABLE PRODUCTION AND SERVICE PACKERS

ISOTECH Inflatable Production and Service Packers (IPP/ISP) provide zonal isolation in the work string/casing annulus or the tubing/wellbore annulus. Straddle pack configurations enable selective isolation across multiple zones. As a temporary solution or a permanent installation, ISOTECH IPP/ISP products are reliable, efficient tools for zonal isolation in critical oil, gas, and geothermal applications, including:
• Production and Injection Isolation
• Open or Cased Hole
• Permanent or Retrievable Bridge Plug
• Hydraulic Fracturing and Acid Treatments
• Retrievable or Permeant Cement Retainer
• Well Repair, Locating Leaks, & Abandonment
• Formation Testing & Evaluation

Isolation performance in every application is optimized using standard and custom ISP/IPP tools supported by expert engineering, job planning, and site supervision.

High Performance Isolation
Built to the highest industry standards, ISOTECH IPP/ISP tools ensure an effective pressure seal and dependable operation with features that include:
• Single or multiple set
• Pull or rotational release
• Ball, plug, or dart activation
• Inflation with water, mud, or cement

Built-in Performance
ISOTECH ISP/IPP tools are built to the highest industry standards to ensure efficiency and performance. Applications benefit from:
• Steel cable reinforced inflatable elements for multi-set applications
• Exposed rib element option for increased anchoring in casing installations.
• Application specific elastomers that optimize performance in temperature extremes up to 350°F and chemical environments

Optimal Isolation Solutions
Versatility is key to optimizing isolation. Tools in standard and customized configurations provide specific solutions, whatever the challenge. ISOTECH IPP/ISP product options include:
• Full cover and exposed rib elements
• Standard and special clearance elements (OD)
• Standard and high temperature elements
• Tubing and drill pipe chassis

Packer Accessories
ISOTECH offers a variety of specialized inflatable packer accessories to ensure efficient, effective zonal isolation, including:
• J-Circulating Valves
• Rotation Circulating Valves
• Up/Down Activated Circulating Valves
• Dump Valves
• Tubing Shut off Valves
• J-Disconnects with retrieval overshot
• Hydraulic Disconnects with retrieval overshot
• Pump Down/Shear Out Plugs & Subs

The ISOTECH Solution
ISOTECH Isolation Technologies provides a comprehensive suite of zonal isolation solutions for oil, gas, and geothermal applications around the world. Success over the life of the well is ensured at every step with advanced equipment, and expert engineering, job planning, and site supervision.

The ISOTECH suite of isolation products include:
• Inflatable Casing Packers
• Inflatable Production and Service Packers
• Swellable Casing and Production Packers
• Inflatable Thru-Tubing Packers
• Full complement of Packer Accessories
ISOTECH ISOLATION TECHNOLOGIES
INFLATABLE PRODUCTION AND SERVICE PACKERS

Pressure Curve

<table>
<thead>
<tr>
<th>Tubing Size</th>
<th>Tubing ID</th>
<th>Element OD</th>
<th>Element Length</th>
<th>OAL</th>
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<tbody>
<tr>
<td>in (mm)</td>
<td>in (mm)</td>
<td>in (mm)</td>
<td>in (m)</td>
<td>ft (m)</td>
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<td>1.25 (31.8)</td>
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<td>66.0 (1.68)</td>
<td>11.4 (3.48)</td>
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<tr>
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<td>1.25 (31.8)</td>
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*Alternative OD available on request

Learn more about life-of-well isolation solutions from ISOTECH Isolation Technologies at: www.iso-techpackers.com