BluePack Max PH-V3
High-pressure permanent hydraulic-set production packer

RATED

- Rated to 10,000 psi [69 MPa]
- Rated up to 350 degF [177 degC]

APPLICATIONS
- Vertical, deviated, and horizontal wells
- Permanent production or isolation requirements
- High-pressure or hostile environments or both

BENEFITS
- Improves reliability with positive set of slips and element
- Simplifies completion operations through ability to set on workstring
- Reduces rig costs because of streamlined setting procedure

FEATURES
- Validation to ISO 14310 and API Spec 11D1 V3
- One-piece mandrel
- Ability to pressure test the system at surface
- Availability in quality grades Q1, Q2, and Q3
- Availability with HNBR or Aflas® elements
- 360° dual opposing one-piece slips
- Full tubing bore through packer and stinger
- Ability to install wellhead before the packer is set

BluePack Max PH-V3* high-pressure permanent hydraulic-set production packer is a single-string device that can hold differential pressure from above or below. It isolates the casing annulus to allow production of a specified zone. The packer can also act as an anchor for the tubing string.

The single-piece mandrel body designed for up to 10,000-psi pressure differential makes this packer an economical choice for production and injection applications. The packer is configurable for tubing-mounted, sealbore, and step-bore options.

BluePack Max PH-V3 packers are available in a range of materials for a variety of service applications, including H₂S and CO₂ environments.

Installation
The packer is installed with the completion tubing and set by applying pressure to the tubing.

The design incorporates two full-circumference slips supported by two opposing tapered cones with a sealing element assembly positioned between them. The slips and sealing element assembly are sequentially set and held in position by a positive-lock mechanical ratchet. The slips are designed to split into multiple segments on setting and provide a full 360° grip on the casing.

BluePack Max PH-V3 packers are designed and validated in accordance with ISO 14310 and API Spec 11D1 V3 validation grade.
## BluePack Max PH-V3

### Specifications

<table>
<thead>
<tr>
<th>Nominal OD, in [mm]</th>
<th>Casing Weight, lbm/ft [kg/m]</th>
<th>Upper Sealbore, in [mm]</th>
<th>Lower Sealbore, in [mm]</th>
<th>Tubing Connection Nominal Tubing Size, in [mm]</th>
<th>Max. Working Temperature, degF [degC]</th>
<th>Differential Pressure Rating, psi [MPa]</th>
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</thead>
<tbody>
<tr>
<td>7 [177.8]</td>
<td>2.3–3.8 [34.2–56.6]</td>
<td>4.00 [101.6]</td>
<td>3.25 [82.6]</td>
<td>4½, 3½, 2½ [114.3, 88.9, 73.0]</td>
<td>HNBR: 325 [163]</td>
<td>10,000 [69]</td>
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<tr>
<td></td>
<td>2.3–3.8 [34.2–56.6]</td>
<td>4.75 [120.7]</td>
<td>3.25 [82.6]</td>
<td>4½, 3½, 2½ [114.3, 88.9, 73.0]</td>
<td>Aflas: 350 [177]</td>
<td>Based on metallurgy</td>
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<tr>
<td>9½ [244.5]</td>
<td>3.2–5.8 [48.1–86.9]</td>
<td>6.00 [152.4]</td>
<td>4.75 [120.7]</td>
<td>7, 5½ [177.8, 139.7]</td>
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<td>3.2–5.8 [48.1–86.9]</td>
<td>7.188 [182.6]</td>
<td>6.00 [152.4]</td>
<td>7, 5½ [177.8, 139.7]</td>
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