

BluePack Max PH-V3

High-pressure permanent hydraulic-set production packer



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.

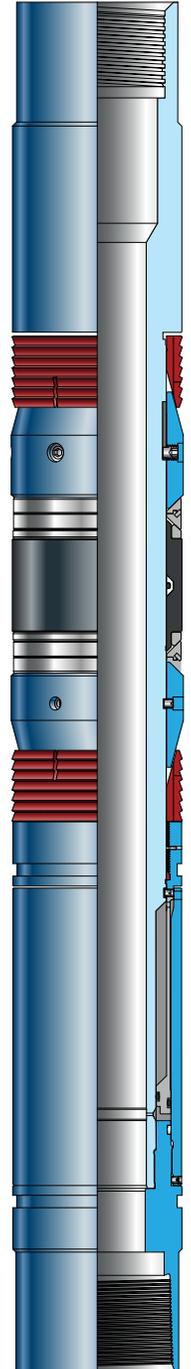
BluePack Max PH-V3 packers are available in a range of materials for a variety of service applications, including H₂S and CO₂ environments.

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 packer.

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Specifications

Nominal OD, in [mm]	Casing	Packer Sealbore		Tubing Connection	Max. Working Temperature, degF [degC]	Differential Pressure Rating, psi [MPa]
	Weight, lbm/ft [kg/m]	Upper Sealbore, in [mm]	Lower Sealbore, in [mm]	Nominal Tubing Size, in [mm]		
7 [177.8]	23–38 [34.2–56.6]	4.00 [101.6]	3.25 [82.6]	4½, 3½, 2⅝ [114.3, 88.9, 73.0]	HNBR: 325 [163] Aflas: 350 [177]	10,000 [69] Based on metallurgy
	23–38 [34.2–56.6]	4.75 [120.7]	3.25 [82.6]	4½, 3½, 2⅝ [114.3, 88.9, 73.0]		
9⅝ [244.5]	32.3–58.4 [48.1–86.9]	6.00 [152.4]	4.75 [120.7]	7, 5½ [177.8, 139.7]		
	32.3–58.4 [48.1–86.9]	7.188 [182.6]	6.00 [152.4]	7, 5½ [177.8, 139.7]		

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