

EZR ESP PACKER



Applications: ESP Completions, Production and Injection



Viking Completion Technology's EZR hydraulic set, retrievable ESP production packer provides high performance, easy deployment and easy retrieval.

Utilizing a proven, gas tight, API qualified, annular sealing system, it is capable of withstanding full rated differential pressures, independent of the release force.

Deployed on tubing and retrieved through a straight-pull, the EZR is compact and configurable to suit a range of tubing sizes, material types, ESP penetrators, gas vent valves and a variety of control line feedthrough requirements.

Suitable for vertical, deviated and horizontal wells, the EZR offers rugged deployment capability by virtue of torque-through features. High-grip, low-stress, 360° Barrel Slip provide suitability in ageing wells.

Benefits

- Improved performance envelope over standard pull to release packers
- Suitable for existing wells with old (ageing/corroded) casing
- Configurable to suit any ESP system
- Rugged deployment capability
- Available for standard and sour service



FEATURES

- ✓ Full differential pressure at high loads with low release force
- ✓ Hydraulically set by differential tubing pressure
- ✓ Short travel, straight pull to release mechanism, preventing damage to cables and control lines
- ✓ Configurable to suit single leg, triple leg or dual ESP cable penetrator systems
- ✓ Short overall length with concentric torque through capability
- ✓ Qualified up to API 11D1 V0



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The EZR packer is fully customizable and available with alternative materials, connections and feed-throughs.



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General Information		
Product Number	12EZR842	12EZR830
Casing Size and weight	9-5/8" 40.0 - 47.00lb/ft	9-5/8" 47 - 53.5lb/ft
Maximum OD	8.429"	8.311"

Through Bore Configurations		
Primary Connections	4-1/2" Premium Box x Pin	3-1/2" Premium Box x Pin
Primary Minimum ID	To suit end connections	
Tensile Strength	Equal to end connections	
Secondary Connection (Single Leg Penetrator)	1.9" 2.75lb/ft NU Box (Top Feed Penetrator)	2-3/8" 4.7lb/ft NU Box (Top Feed Penetrator)
Secondary Connection (Triple Leg Penetrator)	3 x 3/8"	3 x 3/8"
Tertiary Connection	1.9" NU Box (Gas Vent Valve)	
Tertiary Minimum ID	Up to 1.00"	

Bypass Line Configurations Examples		
Bypass Line Ports	3 x 1/4" NPT 11mm + 1 x 3/8" NPT 14mm	3 x 3/8" NPT 14mm Tripple Leg Penetrator + 3 x 1/4" NPT 11mm + 1 x 3/8" NPT 14mm
Fully customizable on request		

Elastomer Options		
Packing Element	HNBR	AFLAS
O-Ring Elastomers	Viton w. PEEK Backup Rings	Aflas w. PEEK Backup Rings
Temperature Rating	25-150 °C	80-177 °C

Performance Data	
Pressure Rating Above	5,000psi
Pressure Rating Below	5,000psi
Setting Pressure	4,000psi
Release Force	40,000 - 140,000 lbs (adjustable)

Operational Data	
Setting Method	Hydraulic Pressure
Release Method	Straight Pull
Special Feature(s)	Low Release Force at full pressure rating Bypass Line Connections can be tested
Packer Validation Grade	API Spec 11D1 V3 API Spec 11D1 VO
Quality Grade	QL1, QL2, QL3



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